District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

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

Release Notification

Responsible Party

| Responsible Party: Apache Corporation | OGRID 873 |
|--|-----------------------------------|
| Contact Name: Bruce Baker | Contact Telephone: (432) 631-6982 |
| Contact email: Larry.Baker@apachecorp.com | Incident # (assigned by OCD) |
| Contact Mailing Address: 2350 W. Marland Blvd, Hobbs, NM 88240 | |

Location of Release Source

Latitude: <u>W 32.48397</u>

Longitude: <u>N -103.18335</u>

(NAD 83 in decimal degrees to 5 decimal places)

| Site Name: WBDU 144H | Site Type: Well |
|-------------------------------------|--------------------|
| Date Release Discovered: 09/30/2020 | API # 30-025-40429 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| В | 17 | 21S | 37E | LEA |

Surface Owner: State Federal Tribal Private (*Name: <u>Chevron USA</u>*)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| Crude Oil | Volume Released (3 Barrels) | Volume Recovered (1/2 Barrels) |
|-----------------------------------|--|---|
| Produced Water | Volume Released (3 Barrels) | Volume Recovered (0 Barrels) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | Yes No |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |
| Cause of Release Packing failure. | | |
| | | |

Page 2 of 32

| Was this a major | If YES, for what reason(s) does the responsible party consider this a major release? |
|--------------------------|---|
| release as defined by | |
| 19.15.29.7(A) NMAC? | |
| | |
| 🗌 Yes 🖾 No | |
| | |
| | |
| | |
| If YES, was immediate no | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? |
| | |
| | |
| | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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: Jeff Broom

Title: Environmental Technician

700-Signature:

Date: 10/6/2020

Email: Jeffrey.Broom@apachecorp.com

Telephone: (432) 664-4677

OCD Only

Received by:

Date:

Volume Calculation

95.30 cubic feet of soil contamination X 7.48 gallons per cubic foot = 712 gallons/42 gallons to a barrel=16.97 barrels X .33 soil porosity= 5.50 barrels fluid in soil + .50 barrels recovered = 6 barrels total loss.



303 Veterans Airpark Lane Midland, TX 79705

Remediation Plan

December 30, 2020

Re: WBDU 144H Case #NRM2028760472

Background:

On 09/30/2020 a release occurred due to a packing failure. The release (GPS: 32.48397, -103.18335) is located north of Eunice, New Mexico in unit letter B section 17 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE and USGS. The nearest well of record suggest the groundwater depth below the release to be 70 feet below ground surface.

On 12/10/2020 a vertical (SP1) was conducted utilizing a hand auger with samples collected in one-foot intervals to a depth of 1 foot. All samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Horizontal 5-point surface composite samples were collected and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.

On 12/28/2020 horizontal 5-point surface composite samples were collected at H 2 and H 4 and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All Laboratory results meet table one standards for releases 51-100 feet to groundwater.

Remediation Plan:

Apache Corporation proposes that the release area be excavated to a depth of 6 inches to 1 foot. Final 5-point bottom and wall composite samples will be collected not exceeding 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated soil (50 yards) will be hauled to an OCD approved disposal facility. Once laboratory results are all below table one standards for releases 51-100 feet to groundwater the excavation will be backfilled with clean imported caliche and the pad restored. The remediation will be completed within 90 days of OCD approval of the plan.

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

Submitted by;

Received by OCD: 12/30/2020 12:30:06 PM

Environmental Technician III Jeffrey.Broom@apachecorp.com Cell# 432-664-4677



State of New Mexico **Oil Conservation Division**

| 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? | 70*_ (ft bgs) |
|--|---------------|
| Did this release impact groundwater or surface water? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🛛 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)? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | 🗌 Yes 🖾 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? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a wetland? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release overlying a subsurface mine? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within a 100-year floodplain? | 🗌 Yes 🛛 No |
| Did the release impact areas not on an exploration, development, production, or storage site? | 🗌 Yes 🛛 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. \boxtimes

- \boxtimes Field data
 - \boxtimes 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 g 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.

| 32 | | |
|------|--------|-------|
| 2 of | Form | C-141 |
| 0 | Page 4 | Q-141 |
| Pa | Tage 4 | |

State of New Mexico Oil Conservation Division

| Incident ID | NRM2028760472 |
|----------------|---------------|
| District RP | |
| Facility ID | |
| Application ID | |

| I hereby certify that the information given above is | s 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 | |
| ailed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In ddition, 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. | to remesse the operator of responsionity for compliance with any other reactal, state, or local laws | |
| | | |
| Printed Name: Jeff Broom | Title: Environmental Technician III | |
| 0 110 | 40/00/0000 | |
| Signature: Jeff Broom | Date: 12/30/2020 | |
| | | |

email: <u>Jeffrey.Broom@apachecorp.com</u>

Telephone: 432-664-4677

OCD Only

Received by: Cr

Cristina Eads

Date: 12/10/2020

Form C-141

State of New Mexico Oil Conservation Division

| Incident ID | NRM2028760472 |
|----------------|---------------|
| District RP | |
| Facility ID | |
| Application ID | |

Remediation Plan

| <u>Remediation Plan Checklist</u>: Each of the following items must be | e included in the plan. |
|--|--|
| Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation point Estimated volume of material to be remediated | |
| Closure criteria is to Table 1 specifications subject to 19.15.29.1 Proposed schedule for remediation (note if remediation plan times) | |
| Deferral Requests Only: Each of the following items must be con | firmed as part of any request for deferral of remediation. |
| Contamination must be in areas immediately under or around pr deconstruction. | oduction equipment where remediation could cause a major facility |
| Extents of contamination must be fully delineated. | |
| Contamination does not cause an imminent risk to human health | a, the environment, or groundwater. |
| | |
| | and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of |
| Printed Name: Jeff Broom | Title: Environmental Tech III |
| Signature: Jeff Broom | Date: 12/30/2020 |
| email: Jeffrey.Broom@apachecorp.com | Telephone: 432-664-4677 |
| OCD Only | |
| Received by: Cristina Eads | Date: 12/10/2020 |
| Approved Approved with Attached Conditions of | Approval Denied Deferral Approved |
| Signature: Justan 2 | Date: 02/04/2021 |



Search Results -- 1 sites found Groundwater levels for the Nation

site_no list = • 322838103111201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 322838103111201 215.37E.17.144111

Available data for this site Groundwater. Field measurements ġ

Lea County, New Mexico Hydrologic Unit Code 13070007 Latitude 32°28'50", Longitude 103°11'14" NAD27 Land-surface elevation 3,472.30 feet above NGVD29

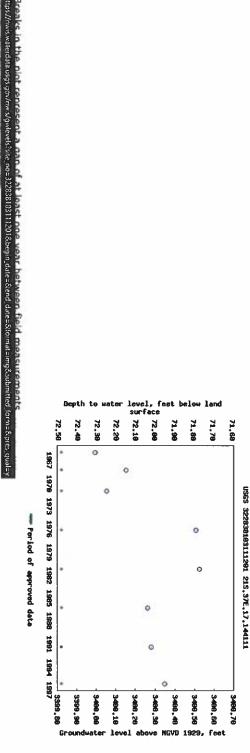
aquifer. The depth of the well is 96 feet below land surface. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local



Tab-separated data

Table of data

Output formats



Breaks in the nint renr

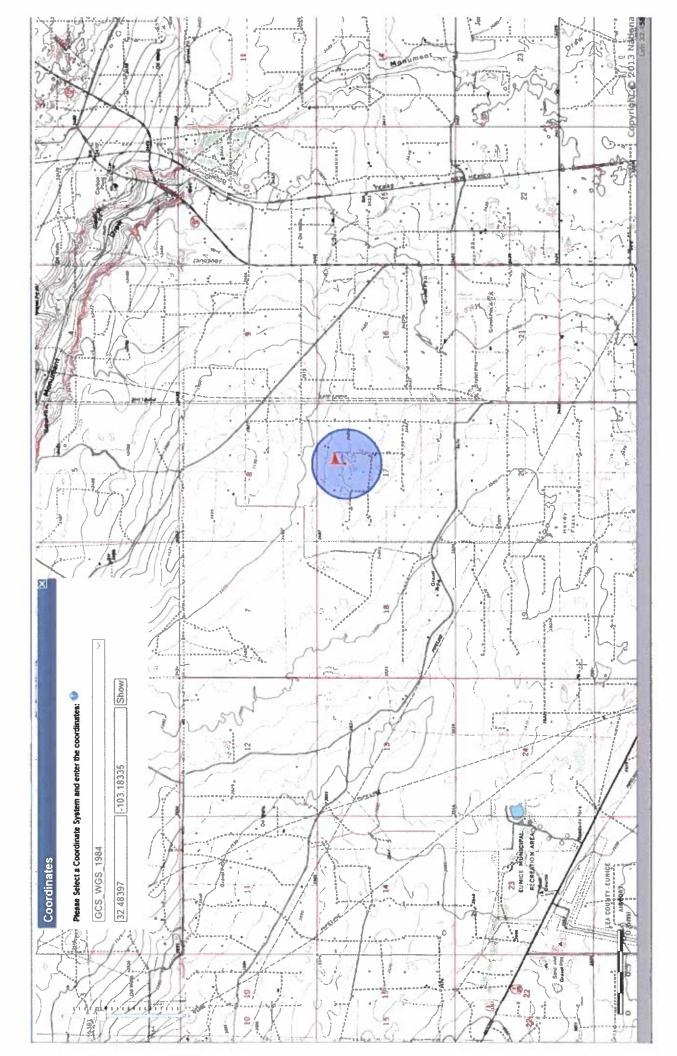
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Point of Diversion Summary New Mexico Office of the State Engineer

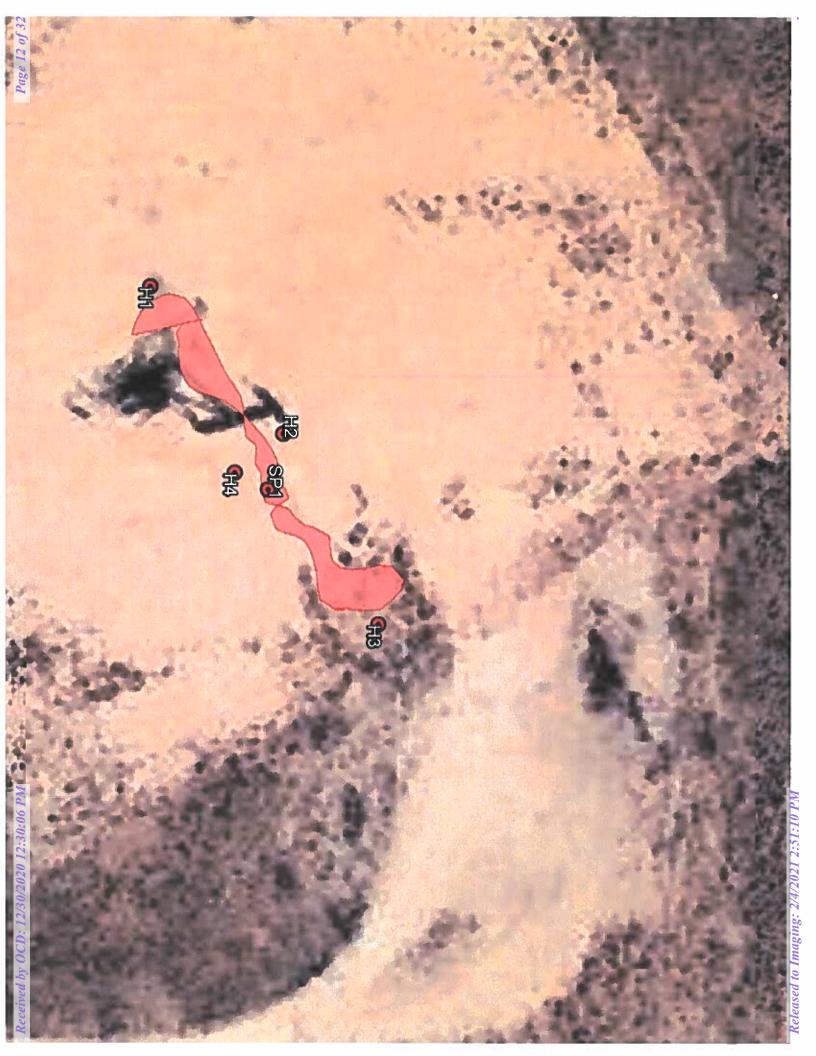
| | 167 Sandstone Gravel Considerate | Top Bottom Description 95 167 Sandstone C | | Water Bearing Stratifications: | Wate |
|---------|--|--|--|--------------------------------|-----------------------|
| 95 feet | Depth Water: 95 feet | 16° feet | Depth Well: | 5.14 | Casing Size: |
| 15 GPN | Estimated Yield: 25 GPM | | Pipe Discharge Size: | | Pump Type: |
| Shallow | Source: | | PCW Rev Date: | 10 23 2009 | Log File Date: |
| | Plug Date: | 10-14-2009 | Drill Finish Date: | 10-12-2009 | Drill Start Date: |
| | | | LLEN | TAYLOR, ROY ALLEN | Driller Name: |
| | ALLEN | TAYLOR, ROY ALLEN | Driller Company: | 1626 | Driller License: 1626 |
| | CiAD83 UTM in meters) X Y 669809 3594958 🕑 | | Q64 Q16 Q4 See Tws Rng 1 1 3 17 21S 37E | POD Number CP 01026 POD1 | Well Tag POD CP (|

The data is familied by the XXIOSE ISC and is accepted by the recepter with the expressed indeptinding this the OSE ISC make no warrantee, expressed or implied, concerning the accuracy, completeness, valuability, usbility, or statibility for any particular purpose of the data. 12/30/20 7 - 33 AM POINT OF DIVERSION SUMMARY

POINT OF DIVERSION SUMMARY



Released to Imaging: 2/4/2021 2:51:10 PM



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| Sample DateSample IDDepthChlorideChlorideChlorideBenzeneTouleneEthybenzTotalTotalGRODROEXT DROGPS $12/10/2020$ SP 1S10,28614,000<0.0500.4210.4671.532.41108902.0532.484055 $12/10/2020$ SP 1S10,28614,000<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050<0.050 </th <th>Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO S 10,286 14,000 <0.050 0.421 0.467 1.53 2.41 10 890 205 1' 2,230 960 <0.050 <</th> <th>-103.183264</th> <th><10.0</th> <th><10.0</th> <th><10.0</th> <th><0.300</th> <th><0.150</th> <th><0.050</th> <th><0.050</th> <th><0.050</th> <th><16.0</th> <th>150</th> <th>s</th> <th>H4</th> <th>12/28/2020</th> | Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO S 10,286 14,000 <0.050 0.421 0.467 1.53 2.41 10 890 205 1' 2,230 960 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 < | -103.183264 | <10.0 | <10.0 | <10.0 | <0.300 | <0.150 | <0.050 | <0.050 | <0.050 | <16.0 | 150 | s | H4 | 12/28/2020 |
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| Sample ID Depth Chloride Benzene Toulene Ethybenz Total GRO DRO EXT DRO SP1 S 10,286 14,000 <0.050 0.421 0.467 1.53 2.41 10 890 205 M1 S 227 64 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050< | Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO S 10,286 14,000 <0.050 0.421 0.467 1.53 2.41 10 890 205 1' 2,230 960 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 17.6 <10.0 S 227 64 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 59.7 12.6 | 32.484070 | | | | | | | | | | | | | |
| Sample ID Depth Chloride Benzene Toulene Ethybenz Total GRO DRO EXT DRO SP 1 S 10,286 14,000 <0.050 0.421 0.467 1.53 2.41 10 890 205 V V V 2,230 960 <0.050 <0.050 <0.150 <0.300 <10.0 17.6 <10.0 | Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO S 10,286 14,000 <0.050 0.421 0.467 1.53 2.41 10 890 205 1' 2,230 960 <0.050 <0.050 <0.150 <0.300 <10.0 17.6 <10.0 V V V V V V V V <0.050 <0.150 <0.000 <10.0 17.6 <10.0 | -103.183470 | 12.6 | 59.7 | <10.0 | <0.300 | <0.150 | <0.050 | <0.050 | <0.050 | 64 | 227 | s | H1 | 12/10/20020 |
| Sample ID Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO SP 1 S 10,286 14,000 <0.050 0.421 0.467 1.53 2.41 10 890 205 I 1' 2,230 960 <0.050 <0.050 <0.150 <0.300 <10.0 17.6 <10.0 | Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO Field Lab Lab 0.050 0.421 0.467 1.53 2.41 10 890 205 1' 2,230 960 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 17.6 <10.0 | 32,483942 | | | | | | | | | | | | | |
| Sample ID Depth Chloride Chloride Benzene Toulene Ethybenz Total GRO DRO EXT DRO SP 1 S 10,286 14,000 <0.050 0.421 0.467 1.53 2.41 10 890 205 M 1' 2,230 960 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 < | Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO Field Lab A 0.050 0.421 0.467 1.53 2.41 10 890 205 1' 2,230 960 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0. | | | | | | | I Samples | Horizonta | | | | | | |
| Sample ID Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO SP 1 S 10,286 14,000 <0.050 0.421 0.467 1.53 2.41 10 890 205 | Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO Field Lab | | <10.0 | 17.6 | <10.0 | <0.300 | <0.150 | <0.050 | <0.050 | <0.050 | 960 | 2,230 | 1 | | 12/10/2020 |
| Sample ID Depth Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO Image: Sample ID Field Lab Image: Sample ID ene Xylenes BTEX Image: Sample ID DRO EXT DRO | Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO Field Lab ene Xylenes BTEX | -103.183244 | 205 | 068 | 10 | 2.41 | 1.53 | 0.467 | 0.421 | <0.050 | 14,000 | 10,286 | s | SP 1 | 12/10/2020 |
| Sample ID Depth Chloride Benzene Toulene Ethybenz Total GRO DRO EXT DRO Image: Sample ID Field Lab ene Xylenes BTEX Image: Sample ID DRO EXT DRO | Depth Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO Field Lab ene Xylenes BTEX EXT | 32.484055 | | | | | | | | | | | | | |
| Sample ID Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO | Depth Chloride Chloride Benzene Toulene Ethybenz Total Total GRO DRO EXT DRO | Coordinates | | | | BTEX | Xylenes | ene | | | Lab | Field | | | |
| | | GPS | EXT DRO | DRO | GRO | Total | Total | Ethybenz | | | Chloride | Chloride | Depth | Sample ID | Sample Date |



December 14, 2020

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

RE: WBDU 144H

Enclosed are the results of analyses for samples received by the laboratory on 12/10/20 16:05.

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.qov/field/qa/lab accredited retrift.

Cardinal Laboratories is accreditated 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,

Received by OCD: 12/30/2020 12:30:06 PM

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 12/10/2020 | Sampling Date: | 12/10/2020 |
|-------------------|----------------|---------------------|----------------|
| Reported: | 12/14/2020 | Sampling Type: | Soll |
| Project Name: | W8DU 144H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: SP 1 @ SURFACE (H003236-01)

| BTEX 8021B | mg/ | /kg | Analyze | d By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.93 | 96.6 | 2.00 | 8.05 | |
| Toluene* | 0.421 | 0.050 | 12/11/2020 | NÐ | 1.85 | 92.4 | 2.00 | 7.75 | |
| Ethylbenzene* | 0.467 | 0.050 | 12/11/2020 | ND | 1.92 | 95.8 | 2.00 | 8.56 | |
| Total Xylenes* | 1.53 | 0.150 | 12/11/2020 | ND | 5.47 | 91.1 | 6.00 | 8.59 | |
| Total BTEX | 2.41 | 0.300 | 12/11/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL 109 % 73.3-129

| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 14000 | 16.0 | 12/14/2020 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | - <u>.</u> | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 10.0 | 10.0 | 12/11/2020 | NÐ | 244 | 122 | 200 | 1.35 | |
| DRO >C10-C28* | 890 | 10.0 | 12/11/2020 | ND | 235 | 118 | 200 | 1.05 | |
| EXT DRO >C28-C36 | 205 | 10.0 | 12/11/2020 | ND | | | | | |
| Surrogate: 1-Chlaronctane | 99.1 9 | 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 119 % | 6 +2.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

SLEASE NOTE: Uability and Damages. Cardinat's facelity, and elemits e-clusive remody for any dam ansing, whener based in contrast or tort, shall be limited to the amount pad by chent for analyses. All caunts, including those for negligence and any comer cause whatiscever shall be detined waved unless inside in writing and including those for registence and incluancy, wrtout limitson, business interruptions, loss of use, or loss of profits including those by client, is subschanes, affiliates or successors animing out of or resided to the performance of the services thereands to the services thereands to the services thereands by client in contents of whether such dimins based upon any of the above stated response on comence. Results teles only to the samples and limit and second thall not be reproduced excess in limited approval of chanal Labovetonelli.

Callery There -

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 12/10/2020 | Sampling Date: | 12/10/2020 |
|-------------------|----------------|---------------------|----------------|
| Reported: | 12/14/2020 | Sampling Type: | Soil |
| Project Name: | WBDU 144H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: SP 1 @ 1' (H003236-02)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.93 | 96.6 | 2.00 | 8.05 | |
| Toluene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.85 | 92.4 | 2.00 | 7.75 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.92 | 95.8 | 2.00 | 8.56 | |
| Total Xylenes* | <0.150 | 0.150 | 12/11/2020 | ND | 5.47 | 91.1 | 6.00 | 8.59 | |
| Total BTEX | <0.300 | 0.300 | 12/11/2020 | ND | | | | | |
| | | | | | | | | | |

73.3-129 Surrogate: 4-Bromofluorobenzene (PIE 101 %

| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
|-------------------------------|---------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 960 | 16.0 | 12/14/2020 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | . <u> </u> | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | < 10.0 | 10.0 | 12/14/2020 | ND | 244 | 122 | 200 | 1.35 | |
| DRO >C10-C28* | 17.6 | 10.0 | 12/14/2020 | ND | 235 | 118 | 200 | 1.05 | |
| EXT DRO >C28-C36 | < 10.0 | 10.0 | 12/14/2020 | NÐ | | | | | |
| Surrogate: 1-Chlorooctane | 81.1 | 44,3-14- | I. | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77,0 \$ | 42.2-150 | 5 | | | | | | |

Cardinal Laboratories

PLEASE NOTE Uability and Damages. Cardina's Gabity, and divert's evolutive remedy for any dawn ansing, whether based in contract or tort, shall be anned to the amount pad by chent for analyses. All claums, including those for negagence and any other cause whistoever shall be deemed warved unless made in writing and received by Gardinal writin thinky (30) days after competion of the applicable junce. In no event shall Gardinal be liable for incidental or consequential garages, including, without limitation, business interruptions, loss of use, or loss and incidents, affaites or successors ansing out of or inliated to the performance of the services hereunder by Gardinal, regardless of winether such chaim is based upon any of the above stated reasons or otherwise. Results relate only to the sample's identified above. This report shall not be reproduced extept in fuel with written approval of Cardinal Laborationes

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Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte

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Notes and Definitions

| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
|-------|---|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| 449 | Insufficient time to reach temperature. |
| × | Chloride by SM4500CI-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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PLEASE NOTE: Lablary and Damages. Candinal's liabely and clients evolusive remedy for any daim ansing, whether based in contracts or tort, shall be limited to the amount paid by crient for analyses. All claims, including those for negligence and any other cause whatsever shall be deemed waved unless made in writing and received by Calenal writin thrup; (30) cays after competion of the accisable serves. In no event shall Cardinal be liable for including those for including, writing, and cellular tempetion of the accisable serves. In no event shall Cardinal be liable for including those for including those for including those of writing analyses, including, writing, writing, how so it use, or loss of profils inclined by client, its subscientes, antifications or successors anising out of or related to the performance of the services herewide by client, its subscientes, and inclined by client lide acrises there acrises and acrises acrises and acrises and acrises and acrises acrises and acrises and acrises and acrises acrises and acrises and acrises acrises and acrises and acrises and acrises acrises and acrises acr

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Celey D. Keene, Lab Director/Quality Manager

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Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | | T T | Relinguished By: | | | | | 52 | ~ | 4005004 | Lab I.D. | | Sampler Name: | 2 | | Project #: | Phone #: | City: | Address: | Project Manager: | Company Name: | (575 |
|--|------------------|-----------|---------------------------|-------------------------------------|--|---|--|------------|-------------|---------|--|---------------|---------------|----------|-------------|----------------|----------|---------|----------|--|---------------|----------------------------------|
| Sircle One) Sus - Other: E.D.c | T Date: Time: | Timer | - R | oper. Controls labely or i down and | | | | 12011 | 2 a Surface | | Sample I.D. | 0 | leps know | | WBDU 144H | Pland | Fax #: | State: | | Brue Biken | Mache Carpo | 575) 393-2326 FAX (575) 383-2476 |
| c #113 | E H | 101 | m homenter to Cardeni, ma | in hat a sub- | | | | 6 | 6 | _ | G)RAB OR (C)OMP CONTAINERS | | | | | Project Owner: | | e: Zip: | | وللمراجع والمراجع والمراجع المحمد والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والم | atin | 393-2470 |
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| | alts f | | 7 | | | - | | | | | | | | | | | | | | | | REQUEST |
| | N. | 7.1/ | | | | | | | | | | | - | | | | | | | | | |

Received by OCD: 12/30/2020 12:30:06 PM



December 14, 2020

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

RE: WBDU 144H

Enclosed are the results of analyses for samples received by the laboratory on 12/10/20 16:08.

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and solid and solid analytes analytes

Cardinal Laboratories is accreditated 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,

Received by OCD: 12/30/2020 12:30:06 PM

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 12/10/2020 | Sampling Date: | 12/10/2020 |
|-------------------|----------------|---------------------|----------------|
| Reported: | 12/14/2020 | Sampling Type: | Soil |
| Project Name: | W8DU 144H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: H 1 @ SURFACE (H003235-01)

| BTEX 8021B | mg/kg | | Analyze | d By: MS | | | | | |
|--------------------------------------|---------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.93 | 96.6 | 2.00 | 8.05 | |
| Toluene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.85 | 92.4 | 2.00 | 7.75 | |
| Ethylbenzene* | < 0.050 | 0.050 | 12/11/2020 | NÐ | 1.92 | 95.8 | 2.00 | 8.56 | |
| Total Xylenes* | <0.150 | 0.150 | 12/11/2020 | ND | 5.47 | 91.1 | 6.00 | 8.59 | |
| Total BTEX | <0.300 | 0.300 | 12/11/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 101 9 | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | mg/kg | | Analyzed By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 12/14/2020 | ND | 432 | 108 | 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 | 12/11/2020 | ND | 244 | 122 | 200 | 1.35 | |
| DRO >C10-C28* | 59.7 | 10.0 | 12/11/2020 | ND | 235 | 118 | 200 | 1.05 | |
| EXT DRO >C28-C36 | 12.6 | 10.0 | 12/11/2020 | NÐ | | | | | |
| Surrogate: 1-Chlorooctane | 84.7 | 44,3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | \$0.8 | 6 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

NEW NOTE Labley and Damages. Cardinals haping, and clients endurane namedy for any claim ansing, whether based in compact or tort, shall be lamted to the amount pad by crent for analyses. All claims, including those for negligence and any corer cause whatsever shall be deemed wated unless made in writing and received by Chardhal within ttring. (30) days after comprehen of the applicable server. In no event shall Cardhal be lable for inclandal or consequential camages, including, without limitson, business internations, loss of use, or loss of profils incurred by client is publicable. This produced access areang out of or interacted to the performance of the services therewater by Cardinal, regardless of whether such mini someduling tools studel response of compression.

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Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



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

| Received: | 12/10/2020 |
|-------------------|----------------|
| Reported: | 12/14/2020 |
| Project Name: | WBDU 144H |
| Project Number: | NONE GIVEN |
| Project Location: | LEA COUNTY, NM |

| Sampling Date: | 12/10/2020 |
|---------------------|----------------|
| Sampling Type: | Soil |
| Sampling Condition: | Cool & Intact |
| Sample Received By: | Tamara Oldaker |
| | |

Sample ID: H 2 @ SURFACE (H003235-02)

| BTEX 8021B | mg/kg | | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.93 | 96.6 | 2.00 | 8.05 | |
| Toluene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.85 | 92.4 | 2.00 | 7.75 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.92 | 95.8 | 2.00 | 8.56 | |
| Total Xylenes* | <0.150 | 0.150 | 12/11/2020 | ND | 5.47 | 91.1 | 6.00 | 8.59 | |
| Total BTEX | <0.300 | 0.300 | 12/11/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIE | 101 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BŚ | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7360 | 16.0 | 12/14/2020 | ND | 432 | 108 | 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 | 12/11/2020 | ND | 244 | 122 | 200 | 1.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/11/2020 | ND | 235 | 118 | 200 | 1.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/11/2020 | ND | | | | | |
| | | | | | | | | | |
| Surrogate 1-Chlorooctane | 81.2 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76,2 | % 42.2-13 | 6 | | | | | | |

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PLEASE NOTE: Liabity and Damages. Candina's 4abity and clients e-clussive remedy for any dam aways, whether based in concret or tort, shall be writed to the amount pad by client for analyses. As claims, including those for negigence and any comer cause whatsever shall be deemed waived unless made in writing and received by Calcinal within thiny. [30] days after completion of the aproclashe service. In no event shall Cardinal be liable for incidence or consequential damages, including, writing, writing, writing, writing, writing, base of use, or vois of profile writing and received by Calcinal within thiny. [30] days after completion of the aproclashe service. In no event shall Cardinal be liable for incidence or consequential damages, including, writing, writing, writing, base of use, or vois of profile writing according to client, its subschedes and any of the above table facence.

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Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte

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

| Received: | 12/10/2020 | Sampling Date: | 12/10/2020 |
|-------------------|----------------|---------------------|----------------|
| Reported: | 12/14/2020 | Sampling Type: | Soil |
| Project Name: | WBDU 144H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA COUNTY, NM | | |
| | | | |

Sample ID: H 3 @ SURFACE (H003235-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | | |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie | |
| Benzene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.93 | 96.6 | 2.00 | 8.05 | | |
| Toluene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.85 | 92.4 | 2.00 | 7.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.92 | 95.8 | 2.00 | 8.56 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/11/2020 | ND | 5.47 | 91.1 | 6.00 | 8.59 | | |
| Total BTEX | <0.300 | 0.300 | 12/11/2020 | ND | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIE | 102 3 | 6 73.3-12 | 9 | | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie | |
| Chloride | <16.0 | 16.0 | 12/14/2020 | ND | 432 | 108 | 400 | 0.00 | | |
| TPH 8015M | mg/ | kg | Analyze | d 8y: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie | |
| GRO C6-C10* | <10.0 | 10.0 | 12/11/2020 | ND | 244 | 122 | 200 | 1.35 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/11/2020 | ND | 235 | 118 | 200 | 1.05 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/11/2020 | ND | | | | | | |
| Surrogate: 1-Chloraociane | 91.5 9 | 6 44.3-14 | 4 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | \$6.4 9 | 6 42.2-15 | 6 | | | | | | | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

| Received: | 12/10/2020 | Sampling Date: | 12/10/2020 |
|-------------------|----------------|---------------------|----------------|
| Reported: | 12/14/2020 | Sampling Type: | Soil |
| Project Name: | WBDU 144H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: H 4 @ SURFACE (H003235-04)

| BTEX 8021B | mg/ | kg | Anałyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/11/2020 | ND | 1,93 | 96.6 | 2.00 | 8.05 | |
| Toluene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.85 | 92.4 | 2.00 | 7.75 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/11/2020 | ND | 1.92 | 95.8 | 2.00 | 8.56 | |
| Total Xylenes* | <0.150 | 0.150 | 12/11/2020 | ND | 5.47 | 91.1 | 6.00 | 8.59 | |
| Total BTEX | <0.300 | 0.300 | 12/11/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PH) | 101 | % 73_3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 12/14/2020 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/11/2020 | ND | 244 | 122 | 200 | 1.35 | |
| DRO >C10-C28* | 82.9 | 10.0 | 12/11/2020 | ND | 235 | 118 | 200 | 1.05 | |
| EXT DRO >C28-C36 | 31.2 | 10.0 | 12/11/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.8 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.9 | % 42.2-15 | 6 | | | | | | |

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Celegt trene -

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Notes and Definitions

| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
|-------|---|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| × 4. | Samples not received at proper temperature of 6°C or below. |
| 445 | Insufficient time to reach temperature. |
| | Chloride by SM4500CI-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2728 FAX (575) 393-2476

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Page 7 of 7



December 29, 2020

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

RE: WBDU 144H

Enclosed are the results of analyses for samples received by the laboratory on 12/28/20 10:30.

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.tceg.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Received by OCD: 12/30/2020 12:30:06 PM

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 12/28/2020 | Sampling Date: | 12/28/2020 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 12/29/2020 | Sampling Type: | Soil |
| Project Name: | WBDU 144H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: H2 (H003341-01)

| BTEX 8021B | mg; | /kg | Analyze | d By: MS | | | | | |
|----------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 8enzene* | < 0.050 | 0.050 | 12/28/2020 | ND | 2.05 | 102 | 2.00 | 2.61 | QR-03 |
| Toluene* | <0.050 | 0.050 | 12/28/2020 | ND | 1.95 | 97,4 | 2.00 | 1.19 | QR-03 |
| Ethylbenzene* | <0.050 | 0.050 | 12/28/2020 | ND | 2.03 | 102 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 12/28/2020 | ND | 5.79 | 96.5 | 6.00 | 2.12 | |
| Total BTEX | <0,300 | 0.300 | 12/28/2020 | ND | | | | | |
| | | | | | | | | | |

73.3-129

Surrogate: 4-Bromofluorobenzene (PIL 100 %

| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | | |
|-------------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/28/2020 | ND | 400 | 100 | 400 | 0.00 | 4 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | · · · | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 12/28/2020 | ND | 209 | 105 | 200 | 3.42 | | |
| DRO >C10-C28* | < 10.0 | 10.0 | 12/28/2020 | ND | 204 | 102 | 200 | 1.42 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/28/2020 | ND | | | | | | |
| Surrogate: 1-Chloronctane | \$1.1 | % 44.3-14 | 4 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.2 | % 42.2-15 | 6 | | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



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

| Received: | 12/28/2020 | Sampling Date: | 12/28/2020 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 12/29/2020 | Sampling Type: | Soil |
| Project Name: | WBDU 144H | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | LEA COUNTY, NM | | |

Sample ID: H4 (H003341-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/28/2020 | ND | 2.05 | 102 | 2,00 | 2.61 | | |
| Toluene* | <0.050 | 0.050 | 12/28/2020 | ND | 1.95 | 97.4 | 2.00 | 1.19 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/28/2020 | ND | 2.03 | 102 | 2,00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/28/2020 | ND | 5.79 | 96.5 | 6.00 | 2.12 | | |
| Total BTEX | <0.300 | 0.300 | 12/28/2020 | ND | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 100 5 | % 73.3-12 | 9 | | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/28/2020 | ND | 400 | 100 | 400 | 11.3 | | |
| TPH 8015M | mg/ | kg | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 12/28/2020 | ND | 209 | 105 | 200 | 3.42 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/28/2020 | ND | 204 | 102 | 200 | 1.42 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/28/2020 | ND | | | | | | |
| Surrogate: 1-Chlorooctane | 83.7 | % 44.3-14 | 4 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.2 | % 42.2-15 | 6 | | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte

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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 SM4500CI-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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Celey D. Keene, Lab Director/Quality Manager

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Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Mith Call and the second sec | Relinquished By: Addr Russon Relinquished By: | - H2 2 H4 | HOC 9241 | Sampler Name: JEG | Project Location: 1/304 | Project Name: USOC | Project #: | Phone 1. | City: | Address: | Project Manager: / | Company Name: |
|---|---|------------------|---|-------------------|-------------------------|--------------------|------------|----------|--------|----------|--------------------|------------------|
| Image: Solution of the soluti | 110:3(| | Sample I.D. | e Breem | ¥ | | | Faxet | State: | | Bruce Baker | such Curporation |
| ICE / COOL OTHER: UP III INTER: INTER | 5 | | CONTAINERS GROUNDWATER WASTEWATER SOIL OL | IN TON | | | THE . | | Zip; | | | |
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| of Bruce. | in the matterner. Sources puerse. in results to Jett and Bruch. | | Ехт. тАН | | | | | | | | | ANALYSIS REQUEST |

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| | WBDU 1444 Delineation 12/10/20 |
|------|--|
| | SP1 @ Sufface - 32.484055, -103.183244 |
| | 10.1/30.3 = 3 = 3.61 = 10,286 |
| | SP2@1' |
| 38 | 10.5/30.12 7.86 2.78 = 2,230 |
| | H1 - 32. 483942, -103. 183770 |
| | 10.6/ 30.3= 2.85= .08= 227 |
| | HZ - 32. 48412, -103. 18329 |
| | 10.6/70.3 = 7.85 = .04 = 113 |
| 2005 | H3 - 32. 487155, -103. 183094 |
| | 10.4/30.3=2.51=.05= 145 |
| • | HY - 32. 48406, -103. 18322 |
| | 10.0/30.1 = 3.01 = .20 = 601 |
| | 12/28/20 - Harizontals H2 +H4 |
| | HZ - 32.487070, -103.183306 |
| | 10.3/30.0 = 2.41 = .05 = 145 |
| | H4-32.487428, -113. 183267 |
| | 10.0/3-2-3.02 =.05 = 150 |
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CONDITIONS

Action 11730

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

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

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

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

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

CONDITIONS OF APPROVAL

| Operator: APACHE CORPORATION | 303 Veterans Airpark Ln | OGRID: 873 | Action Number: 11730 | Action Type: C-141 |
|---------------------------------|-------------------------|---------------|-------------------------|-----------------------|
| #1000 Midland, TX79705 | | | | |
| | | | • | |
| OCD Reviewer | | Condition | | |
| ceads | | None | | |