

September 30, 2020

Mr. Bradford Billings State of New Mexico Oil Conservation Division 1220 South St Francis Drive Santa Fe, NM 87505

RE: 2RP-4766 Hummingbird Federal Com 17H

Mr. Billings,

In compliance with 19.15.29.15(B) NMAC and the agreement submitted by Apache Corporation on November 8, 2018, Apache Corporation is submitting information related to closure for the release occurring May 16, 2018. Apache is respectfully submitting the closure report based on remediation and studies occurring in 2013 that demonstrate the site meeting the requirements of the agency. Unless further information is requested by NMOCD, Apache Corporation considers this release closed.

If there are any questions, please feel free to contact me by telephone at 432-818-1654 or by e-mail at larry.baker@apachecorp.com

Sincerely,

Larry Baker

Environmental Technician SR.

Apache Corporation

Larry Baker

Attachment: Closure Report Dated December 15, 2022

Closure Report

December 15, 2022

Re: Hummingbird Federal Com 17H

Case # NAB1814335949

Background:

On 5/16/2018 a release occurred due to a ½ inch ball valve on the wellhead was open which caused the bull plug to fail resulting in the loss of fluid. The release (GPS: 32.86975288, - 103.8314056) is located east of Loco Hills, New Mexico in unit letter D section 1 township 17S range 31E. It is common knowledge that township 17S range 31E has no groundwater.

On 6/7/2018 vertical delineation was conducted utilizing a backhoe. Samples were collected in one foot intervals and all samples were submitted to a commercial laboratory for analysis for chloride, TPH, and BTEX. The entire release was excavated to a depth of one foot and representative wall samples were collected and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. The delineation samples were utilized as bottom samples and an additional bottom sample was collected at SP 5. All excavated material was hauled to an OCD approved facility and backfilled with clean imported soil and contoured to the surrounding area.

On 9/14/2022 OCD rejected the closure report due to depth of groundwater was not adequately determined. On 12/6/2022 a soil bore (GPS: 32.864185, -103.832000) was advanced to a depth of 116 feet and gauged for the presence of water on 12/6/2022. There was no water present in the bore hole to a depth of 116 feet below ground surface.

Apache Corporation has completed remediation to less than table one standards for releases greater than 100 feet to groundwater and respectfully request that event NAB1814335949 be closed.

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

Submitted by;

Environmental Technician larry.baker@apachecorp.com

Cell# 432-818-1654

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

MAY 2 1 2018

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in DISTRICT II-ARTESIA O.C.D.

| • | , | | Rele | ease Notific | ation | and Co | orrective A | ction | | | | |
|--|--|--|--|---|---------------------------------------|---|--|--------------------------------------|---|---|----------------------|---|
| NABISI | 4335 | 949 | | 010 | | OPERA | ΓOR | | | l Report | | Final Repor |
| | | pache Corpo | | 8/3 | | Contact Br | | | | | | |
| | | rland Street, | | | | | No. (432) 631-6 | 982 | | | | |
| Facility Nar | ne Humm | ningbird Fede | eral Com | 1/H | 1 | acility Typ | e Oil Well | | | | | |
| Surface Ow | ner State/ | Federal | | Mineral C | wner F | r Federal API No. 30-015-43482 | | | | | | |
| | | | | LOCA | ATION | OF RE | LEASE | | | | | |
| Unit Letter D | Section 1 | Township 17S | Range 31E | Feet from the 430' | | South Line FNL | Feet from the 100' | | Vest Line WL | | Cour | |
| | | | | | | _ • | e <u>-103.8314056</u> | | | | | |
| m (D) | | | • . | NA'I | URE | OF REL | | | | | 41 | 1 6 11 1 |
| •• | | d Produced W | ater | | | | Release 6 Barrels parrels of water | s of | 2 barrels of | | 4 barr | els of oil and |
| Source of Re | lease Well | Head | | | | 5/16/2018 | lour of Occurrence | xe | | Hour of Dis at 10:00 a. | | y |
| Was Immedia | ate Notice (| | Yes [| No Not R | equired | If YES, To Shelly Tuc | | | | | | |
| By Whom? | Bruce Bake | r | | | | Date and I | Hour 5/17/2018 at | t 9:39 ar | n via email | | | |
| Was a Water | course Read | | Yes ⊠ | No | | If YES, Vo | olume Impacting | the Wate | ercourse. | | | |
| If a Watercou | irse was Im | pacted, Descr | ibe Fully. | * | | | | | | | | . |
| | | | | | | | | | | | | |
| A 1/2 inch bal | l valve on t | em and Reme he wellhead w ip standing flu | as open w | | oull plug | to fail resulti | ng in the loss of f | luid. Ti | ne valve wa | s closed and | i a vad | cuum truck |
| The majorit | y of the re | and Cleanup A clease was co between the t | ntained t | o the lease pad | and the a | adjacent lea | se pad to the so | uth. A | pproximate | ely 400 sq | uare f | eet of |
| regulations a public health should their or or the enviro | Il operators or the envi operations I nment. In a | are required to a reprincible to a repri | o report and acceptant acc | nd/or file certain in ce of a C-141 report investigate and it | release no ort by the remediate | otifications a NMOCD m contaminat | knowledge and und perform correct narked as "Final Right to that pose a three the operator of | ctive act leport" of reat to g | ions for rele loes not reli round water | eases which eve the ope , surface w | may orator orater, h | endanger of liability uman health |
| | 0 | | | | | | OIL CON | SERV | <u>'ATION</u> | <u>DIVISI</u> | <u>NC</u> | |
| Signature: | Bruc | e Ba | den | | - 1 | | | | 8.1 | , | | |
| Printed Name | | · · · · · · · · · · · · · · · · · · | | | | Approved by | Environmental S | pecialis | 11/4 B. | Charles Car | | - |
| Title: Enviro | _ | | | | | Approval Da | te: 5/22/18 | > | Expiration | Date: N | IA | |
| E-mail Addre | ess: larry.l | oaker@apache | corp.com | | | Conditions o | f Approval: | | . 1 | Attache | | 1 |
| Date: 5/2 | 1/2018 | | Phone | : (432) 631-6982 | | | See) a | HAC | hea" | 0 | KP) | 4760 |

| | Page 4 of 5 | 58 |
|----------------|---------------|----|
| Incident ID | NAB1814335949 | |
| 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? | None (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 vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | rtical extents of soil |
| 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 well 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 | ls. |
| | |

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.

Received by OCD: 12/15/2022 9:50:32 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

| | Page 5 of 5 | 8 |
|----------------|---------------|---|
| Incident ID | NAB1814335949 | |
| District RP | | |
| Facility ID | | |
| Application ID | | |

| I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations. | ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In | | | | | | |
|---|--|--|--|--|--|--|--|
| Printed Name: Larry Baker | Title: Environmental Tech SR. | | | | | | |
| Signature: Larry Baker | Date: 9/30/2020 | | | | | | |
| email:larry.baker@apachecorp.com | Telephone: 432-631-6982 | | | | | | |
| | | | | | | | |
| OCD Only Received by: Jocelyn Harimon | Date: 12/15/2022 | | | | | | |

New Mexico

Incident ID NAB1814335949
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 it | ems must be included in the closure report. |
|--|---|
| ✓ A scaled site and sampling diagram as described in 19.15.29.1 | 1 NMAC |
| Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection) | of the liner integrity if applicable (Note: appropriate OCD District office |
| ☐ Laboratory analyses of final sampling (Note: appropriate ODC | District office must be notified 2 days prior to final sampling) |
| Description of remediation activities | |
| | |
| and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a should their operations have failed to adequately investigate and remhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulaterestore, reclaim, and re-vegetate the impacted surface area to the confaccordance with 19.15.29.13 NMAC including notification to the OC | nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete. |
| Printed Name: Larry Baker | Title: Environmental Tech SR. |
| Signature: Larry Baker | Date: 12/15/2022 |
| email: _larry.baker@apachecorp.com | Telephone: 432-631-6982 |
| | |
| OCD Only | |
| Received by: Jocelyn Harimon | Date: 12/15/2022 |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations. |
| Closure Approved by: Hall | Date: 12/15/2022 |
| Printed Name: Brittany Hall | Title: Environmental Specialist |

Desert Sand Water Well Services, LLC.

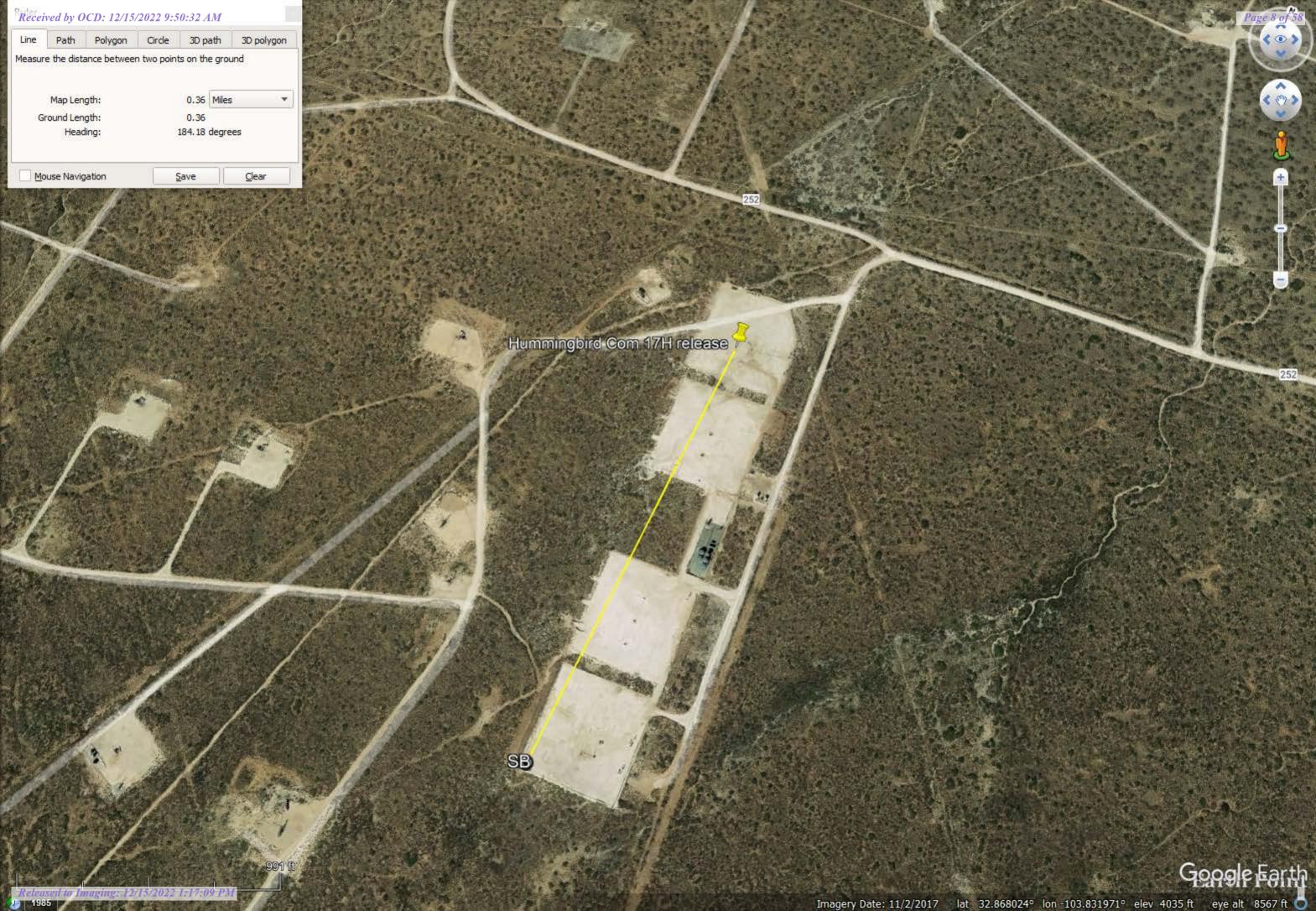
Soil Bore Report

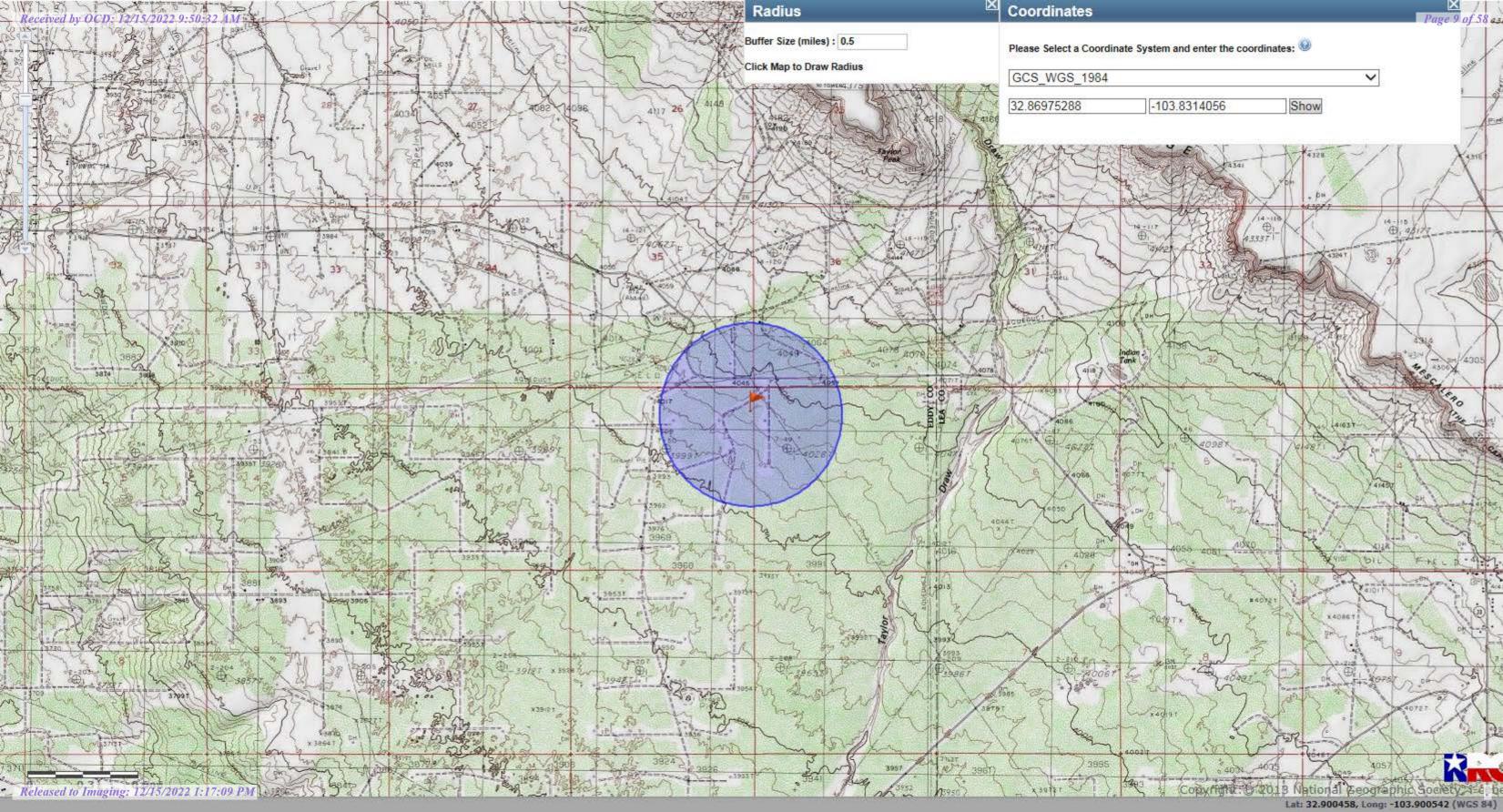
| nfo | Customer: | | | | Phone: | | Date: | | | | | |
|---------------------|----------------|-----------|--------|--|------------------------------|--|---------|--|--|--|--|--|
| General / Well Info | Apchie | Corp./D | imonba | ck | 575-441-2661 | | 12/1/22 | | | | | |
| / la: | Well Name: | and the | | | Location: | | | | | | | |
| Gener | Humm | ingbird c | om 7H | | 32.864185, -103.832000 | | | | | | | |
| | DI | EPTH | | | | | | | | | | |
| | FROM TO THICK! | | | COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER BEARING CAVITIES OR FRACTURES | | | | | | | | |
| | 0 | 8 | 8 | | RED SAND | | | | | | | |
| | 8 | 18 | 10 | | CALECHE | | | | | | | |
| | 18 | 38 | 20 | | RED SAND | | | | | | | |
| | 38 | 58 | 20 | | TAN SNAD WITH CLAY STRINGERS | | | | | | | |
| | 58 | 78 | 20 | | TNAN SAN WITH CLAY STRINGERS | | | | | | | |
| | 78 | 98 | 20 | | TAN SAND WITH CLAY STRINGERS | | | | | | | |
| | 98 | 116 | 18 | | BLUE CLAY | | | | | | | |
| | | 7.55 | | | | | | | | | | |
| | | Level! | | | | | | | | | | |
| | | NO. | | | | | | | | | | |
| LL | | | | | | | | | | | | |
| WELL | - | 4 | | | | | | | | | | |
| | | | | | A | | | | | | | |
| OF | 119.2 | | | | | | | | | | | |
| 90 | 1001 | 11 1 | | | | | | | | | | |
| | 100 | | | | - 2/8 4 | | | | | | | |
| | 18) 18 | Telebrah | | 100 000 | State BU | | | | | | | |

BORE HOLE WAS LEFT OPEN FOR 72+ HOURS AND CHECKED FOR WATER ON 12-6-22 FOR WATER. BORE HOLE WAS 116' DEEP AND WAS DRY. BORE HOLE

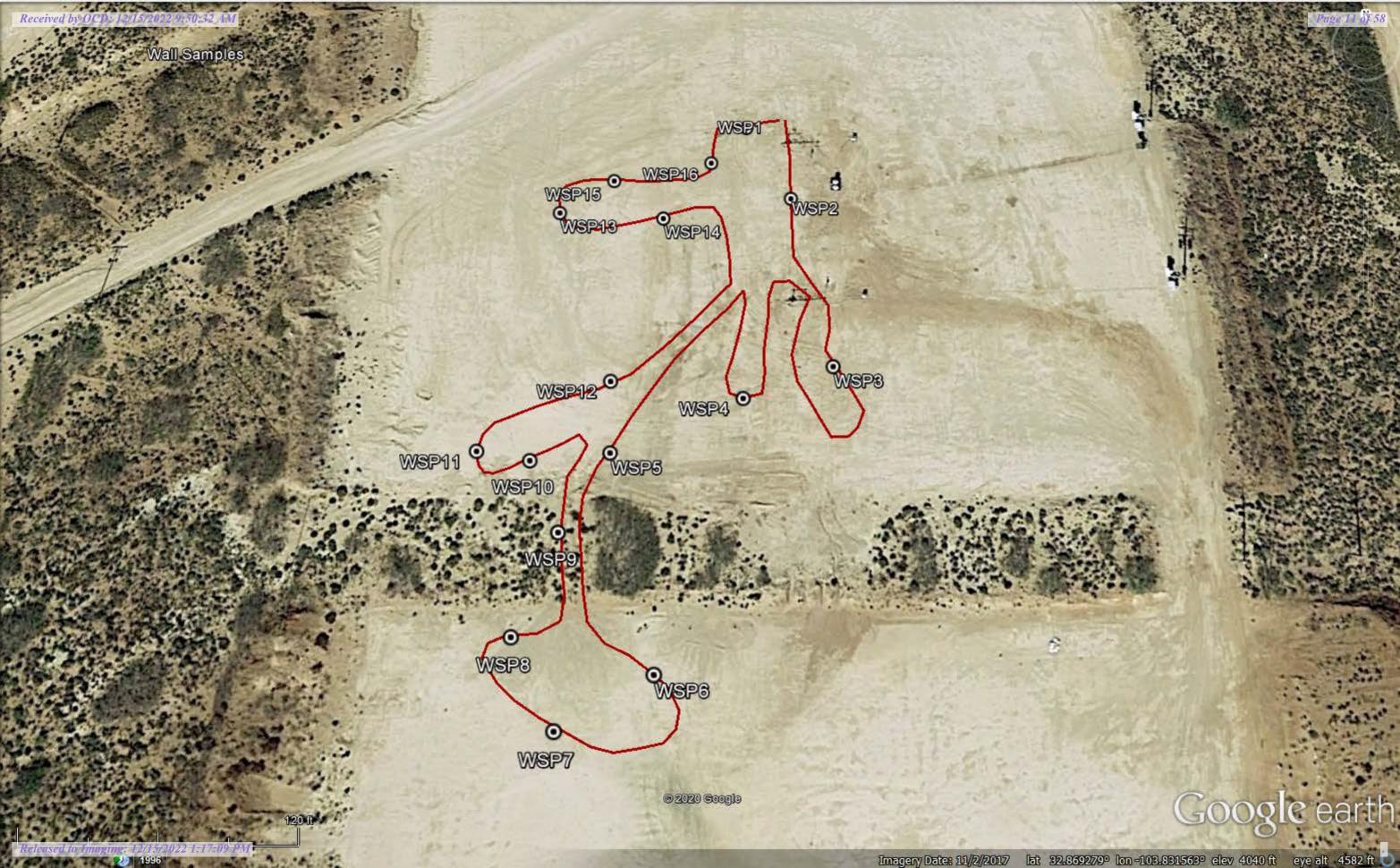
Office: 575-396-3790

WAS BACK FILLED TO SURFACE.









Delineation Samples

| Sample | Sample ID | Depth | Chloride | Benzene | Toulene | Ethybenze | Total | Total | GRO | DRO | EXT DRO |
|----------|-----------|-------|----------|---------|---------|-----------|---------|--------|-------|-------|---------|
| Date | | | Lab | | | ne | Xylenes | BTEX | | | |
| 6/7/2018 | SP 1 | S | 34000 | <0.100 | 0.245 | 0.528 | 1.21 | 1.98 | <50.0 | 4640 | 1010 |
| 6/7/2018 | | 1' | 272 | <0.050 | < 0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/7/2018 | | 2' | 48 | <0.050 | < 0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 83.7 | 19 |
| 6/7/2018 | SP 2 | S | 240 | <1.00 | 7.06 | 48.7 | 82.3 | 138 | 1810 | 20800 | 2880 |
| 6/7/2018 | | 1' | 16 | <0.050 | < 0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 31.1 | <10.0 |
| 6/7/2018 | SP 3 | S | 80.0 | <0.500 | 3.00 | 19.9 | 34.6 | 57.5 | 629 | 7610 | 1030 |
| 6/7/2018 | | 1' | 32.0 | <0.050 | < 0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 12.5 | <10.0 |
| 6/7/2018 | SP 4 | S | 10000 | <0.200 | 0.203 | 4.22 | 10.9 | 15.4 | 507 | 24700 | 4060 |
| 6/7/2018 | | 1' | 48 | <0.050 | < 0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 44.5 | <10.0 |
| 6/7/2018 | | 2' | 176 | <0.050 | < 0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |

Final Samples

| Sample | Sample ID | Depth | Chloride | Benzene | Toulene | Ethybenze | Total | Total | GRO | DRO | EXT DRO |
|-----------|-----------|-------|----------|---------|---------|-----------|---------|--------|-------|-------|---------|
| Date | | | Lab | | | ne | Xylenes | BTEX | | | |
| 6/13/2018 | W SP1 | | 1780 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 7/5/2018 | W SP 1 | | 512 | | | | | | | | |
| 6/13/2018 | W SP 2 | | 992 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/13/2018 | W SP 3 | | 1300 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 7/5/2018 | W SP 3 | | 480 | | | | | | | | |
| 6/13/2018 | W SP 4 | | 172000 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 7/5/2018 | W SP 4 | | 768 | | | | | | | | |
| 6/13/2018 | W SP 5 | | 112 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/13/2018 | W SP 6 | | 176 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/13/2018 | W SP 7 | | 80.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/13/2018 | W SP 8 | | 32.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/13/2018 | W SP 9 | | 32.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/13/2018 | W SP 10 | | 96.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/13/2018 | W SP 11 | | 112 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/13/2018 | W SP 12 | | 976 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/13/2018 | W SP 13 | | 208 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |
| 6/13/2018 | W SP 14 | | 512 | < 0.050 | < 0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 |

| 6/13/2018 | W SP 15 | 8660 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 78.6 | <10.0 |
|-----------|-----------|------|--------|--------|---------|--------|--------|-------|------|-------|
| 7/5/2018 | W SP 15 | 128 | | | | | | | | |
| 6/13/2018 | W SP 16 | 1360 | <0.050 | <0.050 | < 0.050 | <0.150 | <0.300 | <10.0 | 78.6 | <10.0 |
| 7/5/2018 | W SP 16 | 560 | | | | | | | | |
| | Bottom SP | | | | | | | | | |
| 7/11/2018 | 5 | 176 | | | | | | | | |



June 12, 2018

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: HUMMINGBIRD FEDERAL #17H

Enclosed are the results of analyses for samples received by the laboratory on 06/07/18 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/07/2018 Sampling Date: 06/07/2018

Reported: 06/12/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NOT GIVEN

mg/kg

Sample ID: SP 1 @ SURFACE (H801564-01)

BTEX 8021B

| DIEX GOLLD | 9/ 119 | | Analyzea Byrrio | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.100 | 0.100 | 06/08/2018 | ND | 2.01 | 100 | 2.00 | 3.18 | |
| Toluene* | 0.245 | 0.100 | 06/08/2018 | ND | 2.07 | 104 | 2.00 | 4.17 | |
| Ethylbenzene* | 0.528 | 0.100 | 06/08/2018 | ND | 2.08 | 104 | 2.00 | 3.65 | |
| Total Xylenes* | 1.21 | 0.300 | 06/08/2018 | ND | 6.08 | 101 | 6.00 | 3.56 | |
| Total BTEX | 1.98 | 0.600 | 06/08/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 34000 | 16.0 | 06/11/2018 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <50.0 | 50.0 | 06/08/2018 | ND | 197 | 98.5 | 200 | | |
| DRO >C10-C28* | 4640 | 50.0 | 06/08/2018 | ND | 199 | 99.7 | 200 | | |
| EXT DRO >C28-C36 | 1010 | 50.0 | 06/08/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 | % 41-142 | ! | | | | | | |
| Surrogate: 1-Chlorooctadecane | 374 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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 whistoever 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. Keine



Analytical Results For:

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

ma/ka

06/07/2018 Sampling Date: 06/07/2018 Reported: Sampling Type: Soil 06/12/2018

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

Sample ID: SP 1 @ 1' (H801564-02)

Received:

RTFY 8021R

| BIEX 8021B | тд/кд | | Analyzed By: MS | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.01 | 100 | 2.00 | 3.18 | |
| Toluene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.07 | 104 | 2.00 | 4.17 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.08 | 104 | 2.00 | 3.65 | |
| Total Xylenes* | <0.150 | 0.150 | 06/08/2018 | ND | 6.08 | 101 | 6.00 | 3.56 | |
| Total BTEX | <0.300 | 0.300 | 06/08/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 107 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 06/11/2018 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/08/2018 | ND | 197 | 98.5 | 200 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/08/2018 | ND | 199 | 99.7 | 200 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/08/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.9 | % 41-142 | • | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.1 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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.

Celeg D. Freene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/07/2018 Sampling Date: 06/07/2018

Reported: 06/12/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: SP 1 @ 2' (H801564-03)

RTFY 8021R

| B1EX 8021B | mg, | / kg | Anaiyze | а ву: мѕ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.01 | 100 | 2.00 | 3.18 | |
| Toluene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.07 | 104 | 2.00 | 4.17 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.08 | 104 | 2.00 | 3.65 | |
| Total Xylenes* | <0.150 | 0.150 | 06/08/2018 | ND | 6.08 | 101 | 6.00 | 3.56 | |
| Total BTEX | <0.300 | 0.300 | 06/08/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/11/2018 | ND | 416 | 104 | 400 | 3.77 | |
| 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 | 06/08/2018 | ND | 197 | 98.5 | 200 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/08/2018 | ND | 199 | 99.7 | 200 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/08/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.3 | % 41-142 | • | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.4 | % 37.6-14 | 7 | | | | | | |

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 whistoever 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. Keine



Analytical Results For:

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

Received: 06/07/2018 Sampling Date: 06/07/2018

Reported: Sampling Type: Soil 06/12/2018 Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact

Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: **NOT GIVEN**

Sample ID: SP 2 @ SURFACE (H801564-04)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <1.00 | 1.00 | 06/08/2018 | ND | 2.01 | 100 | 2.00 | 3.18 | |
| Toluene* | 7.06 | 1.00 | 06/08/2018 | ND | 2.07 | 104 | 2.00 | 4.17 | |
| Ethylbenzene* | 48.7 | 1.00 | 06/08/2018 | ND | 2.08 | 104 | 2.00 | 3.65 | |
| Total Xylenes* | 82.3 | 3.00 | 06/08/2018 | ND | 6.08 | 101 | 6.00 | 3.56 | |
| Total BTEX | 138 | 6.00 | 06/08/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 134 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 06/11/2018 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 1810 | 50.0 | 06/08/2018 | ND | 197 | 98.5 | 200 | | |
| DRO >C10-C28* | 20800 | 50.0 | 06/08/2018 | ND | 199 | 99.7 | 200 | | |
| EXT DRO >C28-C36 | 2880 | 50.0 | 06/08/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 296 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 906 | % 37.6-14 | 7 | | | | | | |

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.

Celeg D. Keene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/07/2018 Sampling Date: 06/07/2018

Reported: Sampling Type: Soil 06/12/2018

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NOT GIVEN

Sample ID: SP 2 @ 1' (H801564-05)

| 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 | 06/08/2018 | ND | 2.01 | 100 | 2.00 | 3.18 | |
| Toluene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.07 | 104 | 2.00 | 4.17 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.08 | 104 | 2.00 | 3.65 | |
| Total Xylenes* | <0.150 | 0.150 | 06/08/2018 | ND | 6.08 | 101 | 6.00 | 3.56 | |
| Total BTEX | <0.300 | 0.300 | 06/08/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9 | 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-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 | 06/11/2018 | ND | 416 | 104 | 400 | 3.77 | |
| 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 | 06/08/2018 | ND | 197 | 98.5 | 200 | | |
| DRO >C10-C28* | 31.1 | 10.0 | 06/08/2018 | ND | 199 | 99.7 | 200 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/08/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.2 | % 41-142 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.6 | % 37.6-14 | 7 | | | | | | |

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. Keine



Analytical Results For:

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

mg/kg

06/07/2018 Sampling Date: 06/07/2018 Reported: Sampling Type: Soil 06/12/2018

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: **NOT GIVEN**

Sample ID: SP 3 @ SURFACE (H801564-06)

Received:

BTEX 8021B

| | 9 | 79 | 7 | 7: : : : | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.500 | 0.500 | 06/08/2018 | ND | 2.01 | 100 | 2.00 | 3.18 | |
| Toluene* | 3.00 | 0.500 | 06/08/2018 | ND | 2.07 | 104 | 2.00 | 4.17 | |
| Ethylbenzene* | 19.9 | 0.500 | 06/08/2018 | ND | 2.08 | 104 | 2.00 | 3.65 | |
| Total Xylenes* | 34.6 | 1.50 | 06/08/2018 | ND | 6.08 | 101 | 6.00 | 3.56 | |
| Total BTEX | 57.5 | 3.00 | 06/08/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 135 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 06/11/2018 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 629 | 50.0 | 06/08/2018 | ND | 197 | 98.5 | 200 | | |
| DRO >C10-C28* | 7610 | 50.0 | 06/08/2018 | ND | 199 | 99.7 | 200 | | |
| EXT DRO >C28-C36 | 1030 | 50.0 | 06/08/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 160 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 382 | % 37.6-14 | 7 | | | | | | |

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.

Celeg D. Keene



Analytical Results For:

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

Received: 06/07/2018 Sampling Date: 06/07/2018

Reported: 06/12/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: SP 3 @ 1' (H801564-07)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | а ву: м5 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.01 | 100 | 2.00 | 3.18 | |
| Toluene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.07 | 104 | 2.00 | 4.17 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/08/2018 | ND | 2.08 | 104 | 2.00 | 3.65 | |
| Total Xylenes* | <0.150 | 0.150 | 06/08/2018 | ND | 6.08 | 101 | 6.00 | 3.56 | |
| Total BTEX | <0.300 | 0.300 | 06/08/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/11/2018 | ND | 416 | 104 | 400 | 3.77 | |
| 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 | 06/08/2018 | ND | 197 | 98.5 | 200 | | |
| DRO >C10-C28* | 12.5 | 10.0 | 06/08/2018 | ND | 199 | 99.7 | 200 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/08/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.1 | % 41-142 | • | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.9 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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 whistoever 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. Keens



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/07/2018 Sampling Date: 06/07/2018

Reported: 06/12/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NOT GIVEN

mg/kg

Sample ID: SP 4 @ SURFACE (H801564-08)

BTEX 8021B

| DIEX COLLD | 9 | 7 1.9 | Analyzo | u 571110 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.200 | 0.200 | 06/09/2018 | ND | 2.01 | 100 | 2.00 | 3.18 | |
| Toluene* | 0.203 | 0.200 | 06/09/2018 | ND | 2.07 | 104 | 2.00 | 4.17 | |
| Ethylbenzene* | 4.22 | 0.200 | 06/09/2018 | ND | 2.08 | 104 | 2.00 | 3.65 | |
| Total Xylenes* | 10.9 | 0.600 | 06/09/2018 | ND | 6.08 | 101 | 6.00 | 3.56 | |
| Total BTEX | 15.4 | 1.20 | 06/09/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 142 | % 69.8-14 | 12 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 10000 | 16.0 | 06/11/2018 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 507 | 100 | 06/08/2018 | ND | 197 | 98.5 | 200 | | |
| DRO >C10-C28* | 24700 | 100 | 06/08/2018 | ND | 199 | 99.7 | 200 | | |
| EXT DRO >C28-C36 | 4060 | 100 | 06/08/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 212 | % 41-142 | ? | | | | | | |
| G . 1 CH . 1 | 1100 | 0/ 27 / 14 | 17 | | | | | | |

Surrogate: 1-Chlorooctadecane 1180 % 37.6-147

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 whistoever 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. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/07/2018 Sampling Date: 06/07/2018

Reported: Sampling Type: Soil 06/12/2018

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NOT GIVEN

Sample ID: SP 4 @ 1' (H801564-09)

| 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 | 06/09/2018 | ND | 2.01 | 100 | 2.00 | 3.18 | |
| Toluene* | <0.050 | 0.050 | 06/09/2018 | ND | 2.07 | 104 | 2.00 | 4.17 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/09/2018 | ND | 2.08 | 104 | 2.00 | 3.65 | |
| Total Xylenes* | <0.150 | 0.150 | 06/09/2018 | ND | 6.08 | 101 | 6.00 | 3.56 | |
| Total BTEX | <0.300 | 0.300 | 06/09/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 % | 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/11/2018 | ND | 416 | 104 | 400 | 3.77 | |
| 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 | 06/08/2018 | ND | 197 | 98.5 | 200 | | |
| DRO >C10-C28* | 44.5 | 10.0 | 06/08/2018 | ND | 199 | 99.7 | 200 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/08/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.8 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.2 | % 37.6-14 | 7 | | | | | | |

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



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/07/2018 Sampling Date: 06/07/2018

Reported: Sampling Type: Soil 06/12/2018

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: NOT GIVEN

Sample ID: SP 4 @ 2' (H801564-10)

| 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 | 06/09/2018 | ND | 2.01 | 100 | 2.00 | 3.18 | |
| Toluene* | <0.050 | 0.050 | 06/09/2018 | ND | 2.07 | 104 | 2.00 | 4.17 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/09/2018 | ND | 2.08 | 104 | 2.00 | 3.65 | |
| Total Xylenes* | <0.150 | 0.150 | 06/09/2018 | ND | 6.08 | 101 | 6.00 | 3.56 | |
| Total BTEX | <0.300 | 0.300 | 06/09/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 % | 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 06/11/2018 | ND | 416 | 104 | 400 | 3.77 | |
| 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 | 06/08/2018 | ND | 197 | 98.5 | 200 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/08/2018 | ND | 199 | 99.7 | 200 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/08/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.4 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.1 | % 37.6-14 | 7 | | | | | | |

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



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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 whistoever 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.

Celeg D. Freene

Relinquished By:

Touce Yours

Time: 4: 10pm Date:

Received By:

Fax Result: REMARKS:

Email Results



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| ompany Name: | Don | | | ANALYSIS RECLIEST |
|---|--|--|---|-----------------------------------|
| To the Monogon | PACKE | | 101111111111111111111111111111111111111 | |
| ddress: | · IBruce IDAKEY | | Company: | |
| H | 6665 State: NM | Zip: 88240 | Attn: | |
| hone #: | Fax#: | | Address: | |
| roject#: | Project Owner: | | City: | |
| Project Name: | | | State: Zip: | |
| roject Location: | " Hummingbird Federal | a) 17H | Phone #: | |
| ampler Name: | Bruce BAKEr | | Fax#: | |
| FOR LAB USE ONLY | | MATRIX | PRESERV. SAMPLING | |
| Lab I.D. | Sample I.D. | OR (C)OMP AINERS DWATER WATER | ASE: POOL | |
| 1801564 | | # CON | OTHEF ACID/B ICE/C OTHEF DATE | |
| - | SP I SWILACE | ~ ~ | N 6-7-18 1115 11VV | |
| N | SP 1 @1/ | 6 - / | 1 6-7-18 1130 VM | |
| B | SP 1 @2/ | - 2 | 1 6-7-8 1140 1/1 | |
| ÷ | SP 2 Surface | - | N 6-28 1145 N Y | |
| Cr | SP 2 @ 1 | 2 | 6-7-18 1151 | |
| 6 | SP 3 Surface | 6 - | 1/6-7-19 1210 VV | |
| 7 | SP 3 @ 11 | 6 | 1 6-7-18 1217 7 7 | |
| an an | SP 4 Surface | 2 | 1 67-18 1330 0 0 | |
| ۵ | SP 4@ 11 | 6 1 | 1 6-7-18 1235 1 | |
| al | 5P4@2' | 611 1 | 1 6-7-18 1250 2 | |
| LEASE NOTE: Liability an nalyses. All claims includin | LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the nalyses. 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 a | y claim arising whether based in contra emed waived unless made in writing a | LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the naly other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable | |
| ervice. In no event shall Ca | ervice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries of 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. | without limitation, business interruptions rdinal, regardless of whether such clain | , s | |
| Relinquished By: ત | Date: "-7-18 | Received By: | Phone Result: ☐ Yes ☐ Fax Result: ☐ Yes ☐ | No Add'l Phone #: No Add'l Fax #: |
| | | 11 11 11 11 | | |

+ Cardinal cannot accent workel channel Dleace fax written channes to (575) 202-2326 Sample Condition
Cool Intact
Yes Tres
No No

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

7.8%

50

S

Time:

Released to Imaging: 12/15/2022 1:17:09 PM



June 18, 2018

BRUCE BAKER APACHE CORP - HOBBS

HOBBS, NM 88240

2350 W. MARLAND BLVD.

RE: HUMMINGBIRD FEDERAL #17H

Enclosed are the results of analyses for samples received by the laboratory on 06/13/18 16:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applymed By MC

Project Location: NOT GIVEN

Sample ID: W SP 1 (H801613-01)

DTEV 0021D

| 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 | 06/15/2018 | ND | 2.02 | 101 | 2.00 | 3.49 | |
| Toluene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.08 | 104 | 2.00 | 4.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.09 | 105 | 2.00 | 4.35 | |
| Total Xylenes* | <0.150 | 0.150 | 06/15/2018 | ND | 6.12 | 102 | 6.00 | 4.18 | |
| Total BTEX | <0.300 | 0.300 | 06/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1780 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 107 | 200 | 3.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 230 | 115 | 200 | 4.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 71.6 | % 41-142 | ! | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.7 | % 37.6-14 | 7 | | | | | | |

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 whistoever 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



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: Sampling Type: Soil 06/18/2018

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NOT GIVEN

Sample ID: W SP 2 (H801613-02)

| 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 | 06/15/2018 | ND | 2.02 | 101 | 2.00 | 3.49 | |
| Toluene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.08 | 104 | 2.00 | 4.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.09 | 105 | 2.00 | 4.35 | |
| Total Xylenes* | <0.150 | 0.150 | 06/15/2018 | ND | 6.12 | 102 | 6.00 | 4.18 | |
| Total BTEX | <0.300 | 0.300 | 06/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 9 | 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 992 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 107 | 200 | 3.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 230 | 115 | 200 | 4.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.5 | % 41-142 | ! | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.8 | % 37.6-14 | 7 | | | | | | |

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



Analytical Results For:

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

,

ma/ka

 Received:
 06/13/2018
 Sampling Date:
 06/13/2018

 Reported:
 06/18/2018
 Sampling Type:
 Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

Sample ID: W SP 3 (H801613-03)

RTFY 8021R

| B1EX 8021B | mg/ | кд | Anaiyze | а ву: мѕ | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.02 | 101 | 2.00 | 3.49 | |
| Toluene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.08 | 104 | 2.00 | 4.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.09 | 105 | 2.00 | 4.35 | |
| Total Xylenes* | <0.150 | 0.150 | 06/15/2018 | ND | 6.12 | 102 | 6.00 | 4.18 | |
| Total BTEX | <0.300 | 0.300 | 06/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 % | 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1300 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 107 | 200 | 3.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 230 | 115 | 200 | 4.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.75 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.0 | % 37.6-14 | 7 | | | | | | |

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: Sampling Type: Soil 06/18/2018

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NOT GIVEN

Sample ID: W SP 4 (H801613-04)

| 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 | 06/15/2018 | ND | 2.02 | 101 | 2.00 | 3.49 | |
| Toluene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.08 | 104 | 2.00 | 4.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.09 | 105 | 2.00 | 4.35 | |
| Total Xylenes* | <0.150 | 0.150 | 06/15/2018 | ND | 6.12 | 102 | 6.00 | 4.18 | |
| Total BTEX | <0.300 | 0.300 | 06/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 % | 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 17200 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 107 | 200 | 3.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 230 | 115 | 200 | 4.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.1 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.1 | % 37.6-14 | 7 | | | | | | |

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



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: W SP 5 (H801613-05)

RTFY 8021R

| Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD | BIEX 8021B | mg, | / kg | Anaiyze | а ву: м5 | | | | | |
|---|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Toluene* < 0.050 0.050 06/15/2018 ND 2.08 104 2.00 4.35 Ethylbenzene* < 0.050 0.050 06/15/2018 ND 2.09 105 2.00 4.35 Total Xylenes* < 0.150 0.150 06/15/2018 ND 6.12 102 6.00 4.18 Total BTEX < 0.300 0.300 06/15/2018 ND Surrogate: 4-Bromofluorobenzene (PID 115 % 69.8-142 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Chloride 112 16.0 06/18/2018 ND 432 108 400 3.64 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Wethod Blank BS % Recovery True Value QC RPD Analyte By: MS Analyte Result Reporting Limit Analyzed By: MS Analyte Result Reporting Limit Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Analyte By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Analyte By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Analyte By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Analyte By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Analyte By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Analyte By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Analyte By: MS Analyte Result Reporting Limit Analyzed By: MS Analyte By: MS Analyt | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Ethylbenzene* <0.050 0.050 06/15/2018 ND 2.09 105 2.00 4.35 Total Xylenes* <0.150 0.150 06/15/2018 ND 6.12 102 6.00 4.18 Total BTEX <0.300 0.300 06/15/2018 ND Surrogate: 4-Bromofluorobenzene (PID 115 % 69.8-142 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 112 16.0 06/18/2018 ND 432 108 400 3.64 THH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 06/15/2018 ND 215 107 200 3.15 DRO >C10-C28* <10.0 10.0 06/15/2018 ND 230 115 200 4.62 EXT DRO >C28-C36 <10.0 10.0 06/15/2018 ND Surrogate: 1-Chlorooctane 85.7 % 41-142 | Benzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.02 | 101 | 2.00 | 3.49 | |
| Total Xylenes* < 0.150 0.150 06/15/2018 ND 6.12 102 6.00 4.18 Total BTEX < 0.300 | Toluene* | < 0.050 | 0.050 | 06/15/2018 | ND | 2.08 | 104 | 2.00 | 4.33 | |
| Total BTEX <0.300 0.300 06/15/2018 ND Surrogate: 4-Bromofluorobenzene (PID 115 % 69.8-142 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Analyte Result Reporting Limit Analyzed By: AD Chloride 112 16.0 06/18/2018 ND 432 108 400 3.64 TPH 8015M mg/ky Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Ethylbenzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.09 | 105 | 2.00 | 4.35 | |
| Surrogate: 4-Bromofluorobenzene (PID 115 % 69.8-142 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS ND 432 108 400 3.64 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS Recovery True Value QC RPD GRO C6-C10* <10.0 | Total Xylenes* | <0.150 | 0.150 | 06/15/2018 | ND | 6.12 | 102 | 6.00 | 4.18 | |
| Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 112 16.0 06/18/2018 ND 432 108 400 3.64 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 06/15/2018 ND 215 107 200 3.15 | Total BTEX | <0.300 | 0.300 | 06/15/2018 | ND | | | | | |
| Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 112 16.0 06/18/2018 ND 432 108 400 3.64 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 06/15/2018 ND 215 107 200 3.15 DRO >C10-C28* <10.0 10.0 06/15/2018 ND 230 115 200 4.62 EXT DRO >C28-C36 <10.0 10.0 06/15/2018 ND Surrogate: 1-Chlorooctane 85.7 % 41-142 | Surrogate: 4-Bromofluorobenzene (PID | 115 | % 69.8-14 | 2 | | | | | | |
| Chloride 112 16.0 06/18/2018 ND 432 108 400 3.64 TPH 8015M mg/kg Analyzed By: MS MS Recovery True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Chloride, SM4500CI-B | mg | /kg | Analyzed By: AC | | | | | | |
| TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 06/15/2018 ND 215 107 200 3.15 DRO >C10-C28* <10.0 10.0 06/15/2018 ND 230 115 200 4.62 EXT DRO >C28-C36 <10.0 10.0 06/15/2018 ND Surrogate: 1-Chlorooctane 85.7 % 41-142 | Chloride | 112 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| GRO C6-C10* <10.0 10.0 06/15/2018 ND 215 107 200 3.15 DRO >C10-C28* <10.0 10.0 06/15/2018 ND 230 115 200 4.62 EXT DRO >C28-C36 <10.0 10.0 06/15/2018 ND Surrogate: 1-Chlorooctane 85.7% 41-142 | TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | |
| DRO >C10-C28* < 10.0 10.0 06/15/2018 ND 230 115 200 4.62 EXT DRO >C28-C36 <10.0 10.0 06/15/2018 ND Surrogate: 1-Chlorooctane 85.7 % 41-142 | Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| EXT DRO >C28-C36 <10.0 10.0 06/15/2018 ND Surrogate: 1-Chlorooctane 85.7 % 41-142 | GRO C6-C10* | <10.0 | 10.0 | 06/15/2018 | ND | 215 | 107 | 200 | 3.15 | |
| Surrogate: 1-Chlorooctane 85.7 % 41-142 | DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 230 | 115 | 200 | 4.62 | |
| | EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctadecane 89.4 % 37.6-147 | Surrogate: 1-Chlorooctane | 85.7 | % 41-142 | • | | | | | | |
| | Surrogate: 1-Chlorooctadecane | 89.4 | % 37.6-14 | 7 | | | | | | |

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 whistoever 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



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: Sampling Type: Soil 06/18/2018

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: W SP 6 (H801613-06)

| 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 | 06/15/2018 | ND | 2.02 | 101 | 2.00 | 3.49 | |
| Toluene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.08 | 104 | 2.00 | 4.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.09 | 105 | 2.00 | 4.35 | |
| Total Xylenes* | <0.150 | 0.150 | 06/15/2018 | ND | 6.12 | 102 | 6.00 | 4.18 | |
| Total BTEX | <0.300 | 0.300 | 06/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 % | 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 107 | 200 | 3.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 230 | 115 | 200 | 4.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.7 % | 6 41-142 | ! | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.2 9 | 6 37.6-14 | 7 | | | | | | |

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



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: W SP 7 (H801613-07)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | а ву: м5 | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.02 | 101 | 2.00 | 3.49 | |
| Toluene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.08 | 104 | 2.00 | 4.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.09 | 105 | 2.00 | 4.35 | |
| Total Xylenes* | <0.150 | 0.150 | 06/15/2018 | ND | 6.12 | 102 | 6.00 | 4.18 | |
| Total BTEX | <0.300 | 0.300 | 06/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 107 | 200 | 3.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 230 | 115 | 200 | 4.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.4 | % 41-142 | • | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.5 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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 whistoever 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



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: W SP 8 (H801613-08)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | а ву: м5 | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.02 | 101 | 2.00 | 3.49 | |
| Toluene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.08 | 104 | 2.00 | 4.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.09 | 105 | 2.00 | 4.35 | |
| Total Xylenes* | <0.150 | 0.150 | 06/15/2018 | ND | 6.12 | 102 | 6.00 | 4.18 | |
| Total BTEX | <0.300 | 0.300 | 06/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 114 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 107 | 200 | 3.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 230 | 115 | 200 | 4.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.2 | % 41-142 | • | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.9 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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 whistoever 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.

Celeg & Freene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: Sampling Type: Soil 06/18/2018

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: W SP 9 (H801613-09)

| 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 | 06/15/2018 | ND | 2.02 | 101 | 2.00 | 3.49 | |
| Toluene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.08 | 104 | 2.00 | 4.33 | |
| Ethylbenzene* | < 0.050 | 0.050 | 06/15/2018 | ND | 2.09 | 105 | 2.00 | 4.35 | |
| Total Xylenes* | <0.150 | 0.150 | 06/15/2018 | ND | 6.12 | 102 | 6.00 | 4.18 | |
| Total BTEX | <0.300 | 0.300 | 06/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 % | 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 107 | 200 | 3.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 230 | 115 | 200 | 4.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.3 | % 41-142 | ! | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 % | % 37.6-14 | 7 | | | | | | |

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



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: W SP 10 (H801613-10)

| BTEX 8021B | mg | /kg | Analyze | ed By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.02 | 101 | 2.00 | 3.49 | |
| Toluene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.08 | 104 | 2.00 | 4.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/15/2018 | ND | 2.09 | 105 | 2.00 | 4.35 | |
| Total Xylenes* | <0.150 | 0.150 | 06/15/2018 | ND | 6.12 | 102 | 6.00 | 4.18 | |
| Total BTEX | <0.300 | 0.300 | 06/15/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/15/2018 | ND | 215 | 107 | 200 | 3.15 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 230 | 115 | 200 | 4.62 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.7 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.6 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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 whistoever 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 & Keene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: W SP 11 (H801613-11)

| BTEX 8021B | mg | /kg | Analyze | ed By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.77 | 88.6 | 2.00 | 1.67 | |
| Toluene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.76 | 87.8 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.76 | 87.8 | 2.00 | 1.74 | |
| Total Xylenes* | <0.150 | 0.150 | 06/16/2018 | ND | 5.40 | 90.0 | 6.00 | 1.31 | |
| Total BTEX | <0.300 | 0.300 | 06/16/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.5 | % 69.8-14 | 22 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/15/2018 | ND | 215 | 108 | 200 | 7.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 224 | 112 | 200 | 8.29 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.5 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.1 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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 whistoever 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



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: W SP 12 (H801613-12)

RTFY 8021R

| BS 1.77 1.76 | % Recovery 88.6 87.8 | True Value QC 2.00 | RPD 1.67 | Qualifier |
|--------------------|----------------------------|-----------------------|-------------|------------------|
| 1.76 | | 2.00 | 1.67 | |
| | 87.8 | | | |
| | | 2.00 | 1.33 | |
| 1.76 | 87.8 | 2.00 | 1.74 | |
| 5.40 | 90.0 | 6.00 | 1.31 | |
| | | | | |
| | | | | |
| | | | | |
| BS | % Recovery | True Value QC | RPD | Qualifier |
| 432 | 108 | 400 | 3.64 | |
| | | | | |
| BS | % Recovery | True Value QC | RPD | Qualifier |
| 215 | 108 | 200 | 7.87 | |
| 224 | 112 | 200 | 8.29 | |
| | | | | |
| | | | | |
| | | | | |
| | 215 | 215 108 | 215 108 200 | 215 108 200 7.87 |

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 whistoever 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



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: W SP 13 (H801613-13)

| 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 | 06/16/2018 | ND | 1.77 | 88.6 | 2.00 | 1.67 | |
| Toluene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.76 | 87.8 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.76 | 87.8 | 2.00 | 1.74 | |
| Total Xylenes* | <0.150 | 0.150 | 06/16/2018 | ND | 5.40 | 90.0 | 6.00 | 1.31 | |
| Total BTEX | <0.300 | 0.300 | 06/16/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 108 | 200 | 7.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 224 | 112 | 200 | 8.29 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.4 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.5 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: W SP 14 (H801613-14)

| 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 | 06/16/2018 | ND | 1.77 | 88.6 | 2.00 | 1.67 | |
| Toluene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.76 | 87.8 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.76 | 87.8 | 2.00 | 1.74 | |
| Total Xylenes* | <0.150 | 0.150 | 06/16/2018 | ND | 5.40 | 90.0 | 6.00 | 1.31 | |
| Total BTEX | <0.300 | 0.300 | 06/16/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 108 | 200 | 7.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 224 | 112 | 200 | 8.29 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.5 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.5 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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 whistoever 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.

Celeg D. Freene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: W SP 15 (H801613-15)

| 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 | 06/16/2018 | ND | 1.77 | 88.6 | 2.00 | 1.67 | |
| Toluene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.76 | 87.8 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.76 | 87.8 | 2.00 | 1.74 | |
| Total Xylenes* | <0.150 | 0.150 | 06/16/2018 | ND | 5.40 | 90.0 | 6.00 | 1.31 | |
| Total BTEX | <0.300 | 0.300 | 06/16/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8660 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 108 | 200 | 7.87 | |
| DRO >C10-C28* | 78.6 | 10.0 | 06/15/2018 | ND | 224 | 112 | 200 | 8.29 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 69.6 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.5 | % 37.6-14 | 7 | | | | | | |

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Freene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/13/2018 Sampling Date: 06/13/2018

Reported: 06/18/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: W SP 16 (H801613-16)

| 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 | 06/16/2018 | ND | 1.77 | 88.6 | 2.00 | 1.67 | |
| Toluene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.76 | 87.8 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/16/2018 | ND | 1.76 | 87.8 | 2.00 | 1.74 | |
| Total Xylenes* | <0.150 | 0.150 | 06/16/2018 | ND | 5.40 | 90.0 | 6.00 | 1.31 | |
| Total BTEX | <0.300 | 0.300 | 06/16/2018 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.8-14 | 2 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1360 | 16.0 | 06/18/2018 | ND | 432 | 108 | 400 | 3.64 | |
| 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 | 06/15/2018 | ND | 215 | 108 | 200 | 7.87 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/15/2018 | ND | 224 | 112 | 200 | 8.29 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/15/2018 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 60.1 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 62.3 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Freene



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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 whistoever 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.

Celeg D. Freene

Relinquished By:

Relinquished By:

James Portur

Time; 07 Date: 0-13-16

Received By

Phone Result: Fax Result: REMARKS:

☐ Yes ☐ No Add'l Phone #:

Email Results

Received By:

Time: Date:



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name. | TAPACKO. | | | ANALYSIS REQUEST |
|---|---|--|---|-----------------------------------|
| Project Manager: | : Bruce BAKEr | | P.O. #: | |
| Address: | | | Company: | |
| city: Ho | Hobbs State: NM Zip: | Zip: 88240 | Attn: | |
| Phone #: | Fax #: | | Address: | |
| Project #: | Project Owner: | | City: | |
| Project Name: | Hummireybird Fed | H71 | State: Zip: | |
| Project Location: | 1 | | Phone #: | 7 |
| Sampler Name: | Bruce BAKer | | Fax #: | |
| FOR LAB USE ONLY | | MATRIX | PRESERV. SAMPLING | |
| | | ERS ATER | | - Ex |
| HSOULUS | Sample I.D. | (G)RAB OR # CONTAIN GROUNDW WASTEWA SOIL OIL SLUDGE | OTHER: ACID/BASE: ICE / COOL DTHER: DATE | EXI BT |
|) - | WSP 1 | 0 - 1 | Sta 8-8-9 11 | |
| 2 | W 5P 2 | 6 1 7 | V/ 11 1250 | |
| W. | W >P 3 | 100 | 1 1255 | |
| 4 | WSP4 | 6 1 | 1 1 100 | |
| 6 | WSPS | 61 1 | \$0:1980st 1:1 | 9 |
| 6 | WSP6 | 6 1 | W01:11 11 1/6 | |
| <u></u> | WSP7 | 0- | 111 1:1500 | |
| 8 | WSP 8 | 1 3 | 11 11 12/18/19 | |
| <u>ا</u> | WSP 9 | 1 9 | V " 1:21pm | |
| 101 | WSP ID | 6 1 1 | V 11 1:25pm | |
| PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Ca | PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, | y claim arising whether based in contract semed waived unless made in writing an without limitation, business interruptions, | t or tort, shall be limited to the amount paid by the client for d received by Cardinal within 30 days after completion of t loss of use, or loss of profits incurred by client, its subsidia | r the he applicable arries, |
| PLEASE NOTE: Liability and Damages. Cardinal's analyses. All claims including those for negligence service. In no event shall Cardinal be liable for incir. | PLEASE NOTE: Liability and Damages, Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the fell to 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 a service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries | claim arising whether based in contract emed waived unless made in writing an without limitation, business interruptions, | tor rort, shall be limited to the amount paid by the elent to direceived by Cardinal within 30 days after completion of toos of use, or loss of profits incurred by client, its subsidia | the applicable aries. |

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

2.40

2:350

CHECKED BY:

Relinquished By:

Relinquished By:

#75 Jime:

Bruce Bahr

Time: 4:13pm Date:

Received By:

6-13-18

Phone Result: Fax Result: REMARKS:

☐ Yes

□ No

Add'l Phone #: Add'l Fax #:

Released to Imaging: 12/15/2022 1:17:09 PM

Email Results

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| company rante. | できてる | | 8/4170 | ANALYSIS REQUEST |
|---|--|---|--|---------------------------------|
| Project Manager: | bruce Baker | | P.O. #: | |
| Address: | | | Company: | |
| city: Ho | obbs State: //// | 21p: 88240 | Attn: | |
| Phone #: | Fax #: | | Address: | |
| Project #: | Project Owner: | 3 | City: | |
| Project Name: | | | State: Zip: | |
| Project Location: | Jumming oird Fed | 171 | # | |
| Sampler Name: | 5 | | E24 #: | 4 |
| FOR LAB LISE ONLY | | L | 1 | |
| | | R | COMIT | 7) X |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OI # CONTAINERS GROUNDWATER WASTEWATER SOIL ÒIL SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER: DATE | CI Ext. |
| | WSP 11 | 7 | 1 6-13-18 | |
| 17 | WSP 12 | 6 1 1 | 16.11 11 | ~ ~ ~ ~ |
| | | 6 ' ' ' ' | 1/ 11 1/35 | 1 1 1, |
| | WSD 19 | 5 - | 1 11 1:35 | V V V |
| 2 | NSP 15 | 6, | 1/ 11 1:42 | |
| 16 WSP | 16 | 5 | 54:1 11 / | |
| | | | | |
| | | | 7 | |
| | | | | |
| LEASE NOTE: Liability and Damago | s. Cardinal's liability and client's exclusive remedy for an | | | |
| LEASE NOTE: Liablity and Damage halyses, All claims including those for hvice. In no event shall Cardinal be filiates of successors arising out of the little of the successors arising out of the little out of little out | s. Cardinal's liability and client's exclusive remedy for an regligence and any other cause whatsoever shall be d liable for incidental or consequental damages, including | y claim arising whether based in contract o eemed waived unless made in writing and r without limitation, business interruptions, lo: | EASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the ladyses. 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 noise. In no event shall Cardinal be liable for includental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, | rthe ne applicable rifes. |

2.350

Delivered By: (Circle One) 240 Sampler- UPS - Bus - Other: 240



July 06, 2018

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: HUMMINGBIRD FEDERAL #17H

Enclosed are the results of analyses for samples received by the laboratory on 07/05/18 16:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 07/05/2018 Sampling Date: 07/05/2018

Reported: 07/06/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: WSP 1 (H801834-01)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|--|----------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 07/06/2018 | ND | 432 | 108 | 400 | 3.64 | |
| Sample ID: WSP 3 (H801 | 834-02) | | | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 07/06/2018 | ND | 432 | 108 | 400 | 3.64 | |
| Sample ID: WSP 4 (H801 Chloride, SM4500Cl-B | - | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 768 | 16.0 | 07/06/2018 | ND | 432 | 108 | 400 | 3.64 | |
| Sample ID: WSP 15 (H80 | 1834-04) | | | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 07/06/2018 | ND | 432 | 108 | 400 | 3.64 | |
| | | | | | | | | | |

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

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

Received: 07/05/2018 Sampling Date: 07/05/2018

Reported: 07/06/2018 Sampling Type: Soil

Fax To:

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

(575) 393-2432

Project Location: NOT GIVEN

Sample ID: WSP 16 (H801834-05)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 560 | 16.0 | 07/06/2018 | ND | 432 | 108 | 400 | 3.64 | |

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 whistoever shall be deemed waived unless made in writing and received by Cardinal writin 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 inclured 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



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever 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 is 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

Relinquished By:

Date: Time:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: | HOACINE | | 07-11/1/3 | | ANA | ANALYSIS REQUEST | |
|---|---|--|---|---|-----------|-----------------------------|---|
| Project Manager: | 02 | | | | | - 1 | |
| Address: | | | Company: | | | | |
| I | obbs state: NM | Zip: 88240 | Attn: | 8 | | | |
| Phone #: | Fax #: | | Address: | | | | |
| Project #: | Project Owner: | а | City: | | | | |
| Project Name: | | | State: Zip: | | | | |
| Project Location: | Allee | | Phone #: | | | | |
| Sampler Name: | Bruce BAKEN | | Fax #: | | | | |
| FOR LAB USE ONLY | | MATRIX | PRESERV. SAMPLING | NG | | | |
| Lab I.D. | Sample I.D. | | SE: OL | -1 ~ | | | |
| H801834 | | # CON | OTHER ACID/B ICE / C OTHER DATE | TIME | | | |
| | WSP 1 | _ | 7-5-18 | 2:00pm / | | | |
| 2 | WS\$ 3 | 611 | 7-5-18 | 2:15pm V | | | |
| W | WSPY | 6 7 | 7-5-18 | 2:45pm | | | |
| 4 | WSP 15 | 6 1 | 7-3-18 | 1:000:1 | | | |
| 4 | WSP 16 | 6 V V | 7-5-18 | 3:00pm 1 | | | |
| | | | | | | | |
| PLEASE NOTE: Liability an analyses. All claims includin service. In no event shall Caffiliates or successors arisin | PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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. | Int'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 ausse whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the quental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by greater, its subsidiarie of services hereunder by Cardinal, repardless of whether such claim is based upon any of the above stated reasons or otherwise. | tor tort, shall be limited to the amount pair to received by Cardinal within 30 days afte loss of use, or loss of profits incurred by is based upon any of the above stated re- | d by the client for the r completion of the applicable lient, its subsidiaries, asons or otherwise. | | - | - |
| Relinquished By: | | Received By: | 01110 | | □ □ No | Add'l Phone #: Add'l Fax #: | |
| Bruce BAKEr | AKET | _ | Malabak | | | 100 | |
| Relinquished By: | | Received By: | | 7 | | | |

arresteet

25.20

CHECKED BY: (Initials)

Emril Results

Released to Imaging: 12/15/2022 1:17:09 PM

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



July 12, 2018

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: HUMMINGBIRD FEDERAL #17H

Enclosed are the results of analyses for samples received by the laboratory on 07/11/18 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 07/11/2018 Sampling Date: 07/11/2018

Reported: 07/12/2018 Sampling Type: Soil

Project Name: HUMMINGBIRD FEDERAL #17H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: BOTTOM SP 5 @ 1' (H801891-01)

| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 07/12/2018 | ND | 416 | 104 | 400 | 0.00 | |

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 whistoever 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. Keine



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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever 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 of 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.

Celeg D. Freene

Relinquished By:

bruce Baker

Time: 3:20 pm Date: Time:

Received By:

email Results



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Apache | | B/LL 70 | ANALYSIS REQUEST |
|--|--|--|---|
| Project Manager: bruce Baker | F | P.O. #: | |
| Address: | C | Company: | |
| City: Hobbs State | State: ** Zip: 98240 | Attn: | |
| Phone #: #888 Fax #: | | Address: | |
| Project #: Projec | Project Owner: | City: | |
| Project Name: | (0. | State: Zip: | |
| Project Location: Humanimabical Feel 17H | | Phone #: | |
| Sampler Name: Bruck BAKer | | Fax #: | |
| | MATRIX | PRESERV. SAMPLING | G |
| Lab I.D. Sample I.D. | | | CI- |
| 18810871 | (G)RA # COI GROU WAST SOIL OIL SLUD | OTHE ACID/ ICE / OTHE DATE | TIME |
| / BHM SP 5 @ 1' | 6 - | V 7-11-18 1 | 10:00:00 V |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Transport Note: Lightly and Dampers Opplied lightly and clients avolution | a remode for any claim existing whether based in contract | the limited to the amount paid | hy the client for the |
| PLEASE NOTE: Liability and Damages. Cardina's inability and client's exclusive remay for any value maining whether based in contract of for, shall be limited to the amount paid by the client for me paid and specific property. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in whiting 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 incruded by client, its subsidiaries, after the professional of the professional property of the professional control of the professional pr | a remedy for any claim arising whether based in contract or ever shall be deemed waived unless made in writing and reges, including whothout limitation, business interruptions, los provinces by Cardinal reportations of whether such claim is a constitution. | r (ort, snall be limited to the amount paid received by Cardinal within 30 days after ss of use, or loss of profits incurred by cli- | y the client for the completion of the applicable completion of the applicable ann, its subsidiaries, one or otherwise. |
| Relinquished By: Date: | Date: Received By: | 0.1. | Phone Result: |
| L. Bakey Time: | MANINON | - Contraction | |

Cool Intact
A Yes A Yes
No No Sample Condition

> CHECKED BY: (Initials) 9

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

> > 5.85

Photos



Photo of Excavation Facing South



Photo of Excavation Facing East



Photo of Excavation Facing North

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

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 167358

CONDITIONS

| Operator: | OGRID: |
|-------------------------|---|
| APACHE CORPORATION | 873 |
| 303 Veterans Airpark Ln | Action Number: |
| Midland, TX 79705 | 167358 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|-----------|----------------|
| bhall | None | 12/15/2022 |