

July 28, 2021

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

RE: 1RP-3066 South Eunice Seven Rivers Queen #428

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 June 18, 2010. Apache is respectfully submitting the closure report based on remediation and studies occurring in 2021 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 432-631-6982 or by e-mail at larry.baker@apachecorp.com

Sincerely,

Larry Baker

Environmental Technician SR.

**Apache Corporation** 

Larry Baker

Attachment: Closure Report Dated July 28, 2021.



# Closure Report

July 28, 2021

Re: South Eunice Seven Rivers Queen 428

Case # 1RP-3066

On 06/18/2010 a release occurred due to external corrosion on 1 ½ inch cement lined pipe. The release (GPS: 32.369837, -103.225533) is south of Eunice, New Mexico in unit letter M section 24 township 22S range 36E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest wells suggest that groundwater beneath the release is less than 50 feet below ground surface.

On 9/6/2019 Apache Corporation conducted vertical delineation at various depths. All samples collected were submitted to a commercial laboratory for analysis of chloride and the 1, 3, 5 foot samples were submitted to a commercial laboratory for analysis of TPH and BTEX. Laboratory results were above table one standards for chlorides at the west sample point. On 1/22/2020 the west sample point was advanced to a depth of 13 feet. All samples collected were submitted to a commercial laboratory for analysis of chloride.

The area around the west sample point was excavated to a depth of 13 feet. On 6/17/2021 final 5 point bottom and wall composite samples were collected not exceeding 200 square feet. All samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated soil was hauled to an OCD approved disposal facility. Clean imported top soil was utilized to backfill the excavation to ground surface and contoured to the surrounding area. The disturbed area will be reseeded with NMSLO sandy sites seed mixture.

Enclosed: C-141, Maps, Sample Data, Laboratory Results, Photos and Revegetation and Noxious Weed Plan.

Submitted by;

Environmental Technician SR. larry.baker@apachecorp.com

Cell# 432-631-6982

District I 1625 N. French Dr., Hobbs, NM 88240 RECEIVED

State of New Mexico

Energy Minerals and Natural Resources

Form C-141 Revised October 10, 2003

District II
1301 W. Grand Avenue, Artesia, NM 88200 0 4 2010 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

|  |   |   | Rele  | ease Notific   | atio                           | n and Co   | orrective A   | ction                                 |   |   |                                |                               |              |
|--|---|---|---|--|--------------------------------|--|---|---------------------------------------|---|---|--------------------------------|-------------------------------|--------------|
|  |   |   |   |  |                                | OPERA'   | ГOR   |                                       |   | al Report                                     |                                | Fina                          | l Report     |
|  |   | pache Corpo   |   |  | Contact Natalie Gladden        |  |   |                                       |   |   |                                |                               |              |
|  |   | 49, Eunice N<br>Eunice Seve                         |   | No. 575-390-418<br>be Injection we   |                                |  |   |                                       | 7   |   |                                |                               |              |
|  |   |   | II KIVEIS   |  |                                |  |   | 711                                   |   |   |                                |                               |              |
| Surface Ow   | ner Deck  | Estate  |   | Mineral C  | wner                           | State of NI                                      | Λ   |                                       | Lease N                                   | No. 30-025                                    | -0901                          | 7                             |              |
|  |   |   |   | LOCA   | TIO                            | N OF RE  | LEASE   |                                       |   |   |                                |                               |              |
| Unit Letter  | Letter Section Township Range Feet from the North       |   |   |  |                                |  | Feet from the   | East/W                                | est Line                                  | County  |                                |                               |              |
| M  | 24  | 22S   | 36E   | 467'   | FNL                            |  | 467'  | FWL                                   |   | Lea   |                                |                               |              |
|  |   |   | La  | titude   |                                | Longitud   | le  |                                       |   |   |                                |                               |              |
|  |   |   |   |  | TIDE                           |  |   |                                       |   |   |                                |                               |              |
| Type of Rele   | ace Produc  | ed Water  |   | NAI  | UKE                            | Volume of  | Release 50  |                                       | Volume E                                  | Recovered 3                                   | 0                              |                               |              |
| Source of Re   |   |   |   |  |                                |  | Iour of Occurrence  |                                       |   | Hour of Dis                                   |                                | ,                             |              |
|  |   |   |   |  |                                | 06/18/2010                                       |   |                                       | 06/18/201                                 | 10 302pm                                      |                                |                               | 11           |
| Was Immedia  | ate Notice (  |   | Yes   | No Not Re  | equired                        | If YES, To                                       |   |                                       |   |   |                                |                               |              |
| By Whom? N   | latalie Glad  |   |   |  | •                              |  | Iour 06/18/2010 4   | 415pm                                 |   |   |                                |                               |              |
| Was a Water  |   | ched?   |   |  |                                |  | olume Impacting the   |                                       | course.                                   |   |                                |                               | ,            |
|  |   |   | Yes 🛚   | No   |                                |  |   |                                       |   |   |                                |                               |              |
| If a Watercou  | irse was Im   | pacted, Descri                                      | ibe Fully.*                                       | k  |                                | 111  | ATERO   | 120                                   |   |   |                                |                               |              |
| External corr<br>fluid. Immed  | osion on 1 diately the s                                |   | ed pipe that<br>was excava                        | at was buried surf<br>ated and hauled to   |                                |  | pprox 50bbls of p   | roduced                               | water and                                 | recovering a                                  | арргох                         | 30bbls                        | s of         |
| Contaminated   | d soil will b   | e excavated a                                       | nd remedi   | ated according to  |                                |  | nd Regulations to   |                                       | that sure                                 | went to NM                                    | OCD -                          | ulas an                       | 4            |
| regulations al<br>public health<br>should their or<br>or the environ | Il operators<br>or the envi-<br>operations hament. In a | are required to<br>ronment. The<br>nave failed to a | acceptant<br>acceptant<br>adequately<br>OCD accep | nd/or file certain rece of a C-141 reporting and received | elease<br>ort by the<br>emedia | notifications as<br>the NMOCD mate contamination | and perform correct arked as "Final Re on that pose a three the operator of r | tive actio<br>eport" do<br>eat to gro | ons for rele<br>es not reli<br>ound water | eases which<br>ieve the oper<br>r, surface wa | may en<br>rator of<br>iter, hu | ndange<br>f liabili<br>man he | ity<br>ealth |
| Signature:   | Patalie C   | Gladden   | 36  | dlew   |                                | Approved by                                      | OIL CONS  | Brid                                  | sley                                      | DIVISION TO LEGISLA SPECI                     | N<br>OW<br>alist               | d                             |              |
|  |   |   |   |  |                                | Annua I D  | مرابيرايم   | -                                     |   | Data: .al                                     | مدارد                          |                               |              |
| Title: EHS E   | nvironmen   | tai Tech  |   |  |                                | Approval Dai                                     | e: 08/04/10   | E                                     | xpiration                                 | Date: 10 6                                    | भाग                            |                               |              |
| E-mail Addre   | ess: natalie.   | .gladden@apa  | checorp.c   | om   |                                |  | Approval: SUG   | mit Fin                               | AL  | Attached                                      |                                |                               |              |
| Date: 07/18/   | /2010   | Phone:  | 575-390-4   | 186  |                                | C-141 BY 10104110 IRP-06-14-3666                 |   |                                       |   | 6   |                                |                               |              |
| Attach Addis   | tional She  | ets If Necess                                       | arv   |  |                                |  |   |                                       |   |   |                                |                               |              |

| <b>Received by OCD: 7/29/2021</b> | 9:18:03 AM                |
|-----------------------------------|---------------------------|
| Form C-141                        | State of New Mexico       |
| Page 3                            | Oil Conservation Division |

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

# Site Assessment/Characterization

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

| What is the shallowest depth to groundwater beneath the area affected by the release?  | (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 <b>not</b> 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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.  | tical extents of soi |
| 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: 7/29/2021 9:18:03 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

|                | Page 5 of 5 | 4 |
|----------------|-------------|---|
| Incident ID    |             |   |
| 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 thr addition, 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: 7/28/2021  |
| email: larry.baker@apachecorp.com   | Telephone: 432-631-6982  |
|   |  |
| OCD Only  |  |
| Received by:  | Date:  |
|   |  |

|                | Page 6 of 3 | 54 |
|----------------|-------------|----|
| Incident ID    |             |    |
| District RP    |             |    |
| Facility ID    |             |    |
| Application ID |             |    |

# Closure

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

| Closure Report Attachment Checklist: Each of the following it  | tems 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   | C 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 should their operations have failed to adequately investigate and renhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coraccordance with 19.15.29.13 NMAC including notification to the October 19.15.29.13 NMAC including notification to the October 20.15.29.13 NMAC incl | 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.   |
| Printed Name: Larry Baker Signature: Larry Baker   | Date: 7/28/2021   |
| <sub>email:</sub> larry.baker@apachecorp.com   | Telephone: 432-631-6982   |
|  |   |
| OCD Only   |   |
| Received by: OCD   | Date:07/29/2021   |
|  | 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: Ashley Maxwell  | Date: 1/25/2023   |
| Printed Name: Ashley Maxwell   | Title: Environmental Specialist   |



# New Mexico Office of the State Engineer **Point of Diversion Summary**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag

**POD Number** 

Q64 Q16 Q4 Sec Tws Rng 22 22S 36E X

664451 3583098\*

**Driller License:** 

208

CP 00609

Driller Company: VAN NOY, W.L.

**Driller Name:** 

VAN NOY, W.L.

**Drill Start Date: 06/06/1980** 

**Drill Finish Date:** 

06/28/1980

Plug Date:

Source:

Log File Date:

Shallow

**Pump Type:** 

07/01/1980

**PCW Rcv Date:** 

Pipe Discharge Size:

**Estimated Yield:** 

Casing Size:

6.63

**Depth Well:** 

199 feet

Depth Water:

22 feet

Water Bearing Stratifications:

Description Top Bottom

Sandstone/Gravel/Conglomerate

**Casing Perforations:** 

Top Bottom

175

199

\*UTM location was derived from PLSS - see Help

Released to Imaging: 1/25/2023 9:14:00 AM



# New Mexico Office of the State Engineer **Point of Diversion Summary**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag

**POD Number** 

E 03808 POD1

Q64 Q16 Q4 Sec Tws Rng

X

666105 3580686

**Driller License:** 

539

Driller Company: GARCIA BROTHERS DRILLING CO., LLC

**Driller Name:** 

GARCIA, RAYMOND

**Drill Start Date: 04/27/1983** 

**Drill Finish Date:** 

04/27/1983

Plug Date:

Log File Date:

05/03/1983

**PCW Rcv Date:** 

Source: Shallow

**Pump Type:** 

Pipe Discharge Size:

Estimated Yield: 35 GPM

Casing Size:

5.00

Depth Well:

125 feet

Depth Water:

55 feet

**Water Bearing Stratifications:** 

Description Top Bottom

Limestone/Dolomite/Chalk

**Casing Perforations:** 

Top Bottom

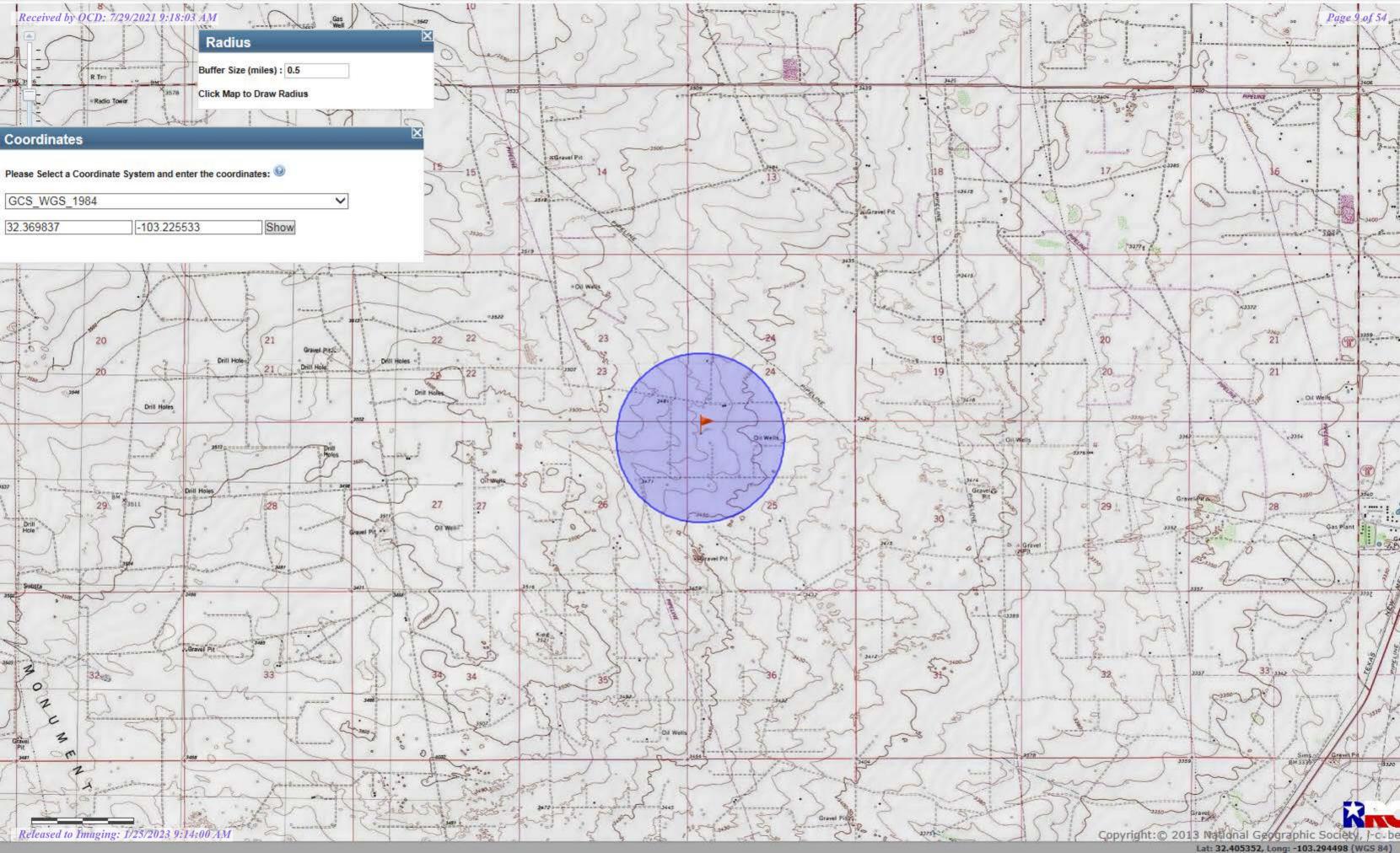
30 105

35

50 125

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

Released to Imaging: 1/25/2023 9:14:00 AM







# **Delineation Samples**

| Sample    | Sample ID | Depth | Chloride | Benzene | Toulene | Ethybenze | Total   | Total   | GRO   | DRO   | EXT DRO | GPS         |
|-----------|-----------|-------|----------|---------|---------|-----------|---------|---------|-------|-------|---------|-------------|
| Date      |           |       | Lab      |         |         | ne        | Xylenes | BTEX    |       |       |         | Coordinates |
|           |           |       |          |         |         |           |         |         |       |       |         | 32.369837,  |
| 9/6/2019  | Center    | 1'    | <16      | <0.050  | < 0.050 | < 0.050   | < 0.150 | < 0.300 | <10.0 | <10.0 | <10.0   | -103.225533 |
| 9/6/2019  |           | 2'    | 32       |         |         |           |         |         |       |       |         |             |
|           |           |       |          |         |         |           |         |         |       |       |         | 32.369825,  |
| 9/6/2019  | West      | 1'    | 32       | <0.050  | < 0.050 | < 0.050   | <0.150  | <0.300  | <10.0 | <10.0 | <10.0   | -103.225603 |
| 9/6/2019  |           | 2'    | 928      |         |         |           |         |         |       |       |         |             |
| 9/6/2019  |           | 3'    | 1330     | <0.050  | <0.050  | <0.050    | <0.150  | <0.300  | <10.0 | <10.0 | <10.0   |             |
| 9/6/2019  |           | 4'    | 1140     |         |         |           |         |         |       |       |         |             |
| 9/6/2019  |           | 5'    | 1070     |         |         |           |         |         |       |       |         |             |
| 1/22/2020 |           | 7'    | 1020     |         |         |           |         |         |       |       |         |             |
| 1/22/2020 |           | 9'    | 800      |         |         |           |         |         |       |       |         |             |
| 1/22/2020 |           | 11'   | 640      |         |         |           |         |         |       |       |         |             |
| 1/22/2020 |           | 13'   | 528      |         |         |           |         |         |       |       |         |             |
|           |           |       |          |         |         |           |         |         |       |       |         | 32.369908,  |
| 9/6/2019  | North     | 1'    | 32       | <0.050  | <0.050  | <0.050    | <0.150  | <0.300  | <10.0 | <10.0 | <10.0   | -103.225533 |
| 9/6/2019  |           | 2'    | 48       |         |         |           |         |         |       |       |         |             |
|           |           |       |          |         |         |           |         |         |       |       |         | 32.369827,  |
| 9/6/2019  | East      | 1'    | <16      | <0.050  | <0.050  | <0.050    | <0.150  | <0.300  | <10.0 | <10.0 | <10.0   | -103.225498 |
| 9/6/2019  |           | 2'    | <16      |         |         |           |         |         |       |       |         |             |
| 9/6/2019  |           | 3'    | 32       | <0.050  | <0.050  | <0.050    | <0.150  | <0.300  | <10.0 | <10.0 | <10.0   |             |
| 9/6/2019  |           | 4'    | 80       |         |         |           |         |         |       |       |         |             |
| 9/6/2019  |           | 5'    | 432      | <0.050  | <0.050  | <0.050    | <0.150  | <0.300  | <10.0 | <10.0 | <10.0   |             |
| 0/6/2010  | C. II     | 41    | 4.6      | .0.050  | -0.050  | .0.050    | .0.450  | .0.200  | 40.0  | 40.0  | .40.0   | 32.369653,  |
| 9/6/2019  | South     | 1'    | 16       | < 0.050 | < 0.050 | < 0.050   | < 0.150 | < 0.300 | <10.0 | <10.0 | <10.0   | -103.225525 |

## **Excavation Final Samples**

| Sample    | Sample ID | Depth | Chloride | Benzene | Toulene | Ethybenze | Total   | Total   | GRO   | DRO   | EXT DRO | GPS         |
|-----------|-----------|-------|----------|---------|---------|-----------|---------|---------|-------|-------|---------|-------------|
| Date      |           |       | Lab      |         |         | ne        | Xylenes | BTEX    |       |       |         | Coordinates |
|           |           |       |          |         |         |           |         |         |       |       |         | 32.369825,  |
| 6/17/2021 | WSP       | 13'   | 64       | < 0.050 | < 0.050 | <0.050    | <0.150  | < 0.300 | <10.0 | <10.0 | <10.0   | -103.225603 |
|           |           |       |          |         |         |           |         |         |       |       |         | 32.369851,  |
| 6/17/2021 | NW        | 0-13' | 64       | <0.050  | < 0.050 | <0.050    | <0.150  | < 0.300 | <10.0 | <10.0 | <10.0   | -103.225606 |

|           |    |       |    |         |         |         |         |         |       |       |       | 32.369800,  |
|-----------|----|-------|----|---------|---------|---------|---------|---------|-------|-------|-------|-------------|
| 6/17/2021 | SW | 0-13' | 48 | < 0.050 | < 0.050 | <0.050  | < 0.150 | < 0.300 | <10.0 | <10.0 | <10.0 | -103.225601 |
|           |    |       |    |         |         |         |         |         |       |       |       | 32.369823,  |
| 6/17/2021 | WW | 0-13' | 48 | < 0.050 | < 0.050 | < 0.050 | < 0.150 | < 0.300 | <10.0 | <10.0 | <10.0 | -103.225630 |
|           |    |       |    |         |         |         |         |         |       |       |       | 32.369827,  |
| 6/17/2021 | WW | 0-13' | 48 | < 0.050 | < 0.050 | < 0.050 | < 0.150 | < 0.300 | <10.0 | <10.0 | <10.0 | -103.225576 |

# 2010 Lab Report

| Sample    | Sample ID | Depth | Chloride |
|-----------|-----------|-------|----------|
| Date      |           |       | Lab      |
| 7/30/2010 | SP 1      | N/A   | 16       |
| 7/30/2010 | SP 2      | N/A   | 16       |
| 7/30/2010 | SP 3      | N/A   | <16      |
| 7/30/2010 | SP 4      | N/A   | 112      |
| 7/30/2010 | SP 5      | N/A   | 96       |



PHONE (576) 393-2326 \* LOS E. MARLAND \* HORRE, NH 66246

August 09, 2010

NATALIE GLADDEN

**APACHE - EUNICE** 

P. O. BOX 1849

**EUNICE, NM 88231** 

RE: SRQU #428

Enclosed are the results of analyses for samples received by the laboratory on 07/30/10 17:08.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Received by OCD: 7/29/2021 9:18:03 AM

Lab Director/Quality Manager

Celey D. Keine

Page 1 of 4



PHONE (575) 383-2336 \* 181 E. MARLAND \* MORRS. NW 88340

### Analytical Results For:

**APACHE - EUNICE** NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** 394-2425 Fax To:

Received:

07/30/2010

Reported:

08/09/2010

Project Name: Project Number: SRQU #428 NOT GIVEN

Project Location:

Analyte

Analyte

Analyte

**SRQU #428** 

Sampling Date:

07/10/2010

Sampling Type:

BS

432

Sampling Condition:

\*\* (See Notes)

Sample Received By:

Jodi Henson

### Sample ID: SP1 (H020497-01)

| Chloride, | SM4500CI-B |
|-----------|------------|
|           |            |

Chincide

Chlorida

Chloride

Chloride

Chloride

Received by OCD: 7/29/2021 9:18:03 AM

mg/kg

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

16.0

Reporting Limit

16.0

Result

16.0

Result

16.0

Result

<16.0

Result

112

96,0

Anxiyzed By: HM Analyzed

08/04/2010

Method Blank

% Recovery 108

True Value OC 400

RPD

Qualifler 3.64

Qualifier

Sample ID: SP2 (H020497-02)

| Chloride, | SM4500CI-8 |  |
|-----------|------------|--|
|-----------|------------|--|

mg/kg

Analyzed By: HM

Analyzed

08/04/2010

Analyzed

08/04/2010

Method Blank ND

ND

BS 432 % Recovery 108

True Value QC 400

RPD

3.64

Sample ID: SP3 (H020497-03)

| PL 1 1 -4 | SM4500CI-B |
|-----------|------------|
| -nionas.  | 3M43UULI:B |
|           |            |

mg/kg

Analyzed By: HM

Method Blank

ND

88

% Recovery True Value QC RPD

Qualifier

mg/kg

Analyzed By: HM

432 108 400

3.64

Sample ID: SP4 (H020497-04)

Analyte

Chiaride, SM4500CI-B

Reporting Limit

Analyzed 08/04/2010

Method Blank

ND

Method Blank

ND

RS. 432 % Recovery 108

True Value QC 400

True Value QC

400

RPD

RPO

3.64

Qualifier

Sample ID: SP5 (H020497-05)

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyzed

08/04/2010

BS

432

% Recovery

10R

3.64

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4



PHONE (\$75) 393-2326 \* 101 E. MARLAND \* HOBES, NW 48246

### **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 5M4500Cl-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

Received by OCD: 7/29/2021 9:18:03 AM

\*=Accredited Analyte

PLEASE HOTE: Linkfey and Danages. Control's Resict and clear's evidance remark for any clear arms, solution placed in source or long, this be broad to the compute pad by clear for analysis. All clears, including broad for complete any other clear whitesers and in strong manual in section and in control of the application control. In no event this Control to Solid to related or consistency of the application control.

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

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|-----|--------------------------------|----|
|     | ARDINAL LABORATORIE            | S  |
|     | 101 East Marland, Hobbs, NM 88 | 24 |
|     | (575) 393-2328 FAX (576) 393-2 | 47 |

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

|                           | (676) 393-2326 FAX (676) 393-2  | 1476             |             |             |                   |      |          |              |              |       |            |             |                                |                |                |       |      |      |          |                |       |               |                  |          |              |   |
|---------------------------|---|------------------|-------------|-------------|-------------------|------|----------|--------------|--------------|-------|------------|-------------|--------------------------------|----------------|----------------|-------|------|------|----------|----------------|-------|---------------|------------------|----------|--------------|---|
| Company Name              |   |                  |             |             |                   |      |          |              |              | 8/    | 11         | TO          | _                              |                |                |       |      | 7    | NAI      | LYSI           | 3 RE  | QUE           | ST               |          |              |   |
| Project Manage            | · Latale Cla  | de               | Ż           | <u> </u>    |                   |      | 2        | 0. 1         | :            |       |            |             |                                |                |                | Г     | Т    |      |          | Г              | П     | Т             | $\Gamma$         | Т        | T            | П |
| Address:                  | •   |                  |             |             |                   |      | C        | Sup          | any          | :     |            |             |                                | ]              |                |       | -    |      |          |                | 1     |               | 1                | 1        |              |   |
| Cily:                     | Stale:  | Zlp              | 1           |             |                   |      | A        | lin:         |              |       |            |             |                                | ]              |                | 1     | ı    |      |          | 1              | 1     |               | 1                |          |              |   |
| Phone #;                  | Faz #;  |                  |             |             |                   |      | A        | ddre         | 44;          |       |            |             |                                |                | l              | 1     |      |      |          | 1              | i i   |               | 1                | 1        |              |   |
| Project #:                | Project Owne  | r.               |             |             |                   |      | c        | ity:         |              |       |            |             |                                | 1              |                | 1     |      | ĺ    |          |                | 1     |               |                  | 1        |              |   |
| Project Name:             |   | · .              |             |             |                   |      | 51       | ato:         |              |       | عالا       | );          |                                | 1              |                | 1     | - [  |      |          | 1              | 1     |               | 1                |          |              |   |
| Project Location          | : 500c1 #420  |                  |             |             |                   |      | PI       | hom          | ı#;          |       |            |             |                                | ]              |                | 1     | ı    |      |          | ŀ              | 1     |               | 1                | 1        |              |   |
| Sampler Name:             |   |                  |             |             |                   |      | F        | L Ø          |              |       |            |             |                                |                |                | 1     | -    |      |          |                | 1     | 1             | 1                | 1        | 1            |   |
| FOR USE CHEY              |   | 1.0              | П           |             | MAT               | FLIX | -        | 74           | <b>E</b> 5 4 | A٧    |            | BANPL       | ING                            | 1              |                | 1     | -1   |      |          | 1              | 1     |               |                  | 1        |              |   |
| Lab I.D.                  | Sample I.D.   | IGPAS OR ICIONS  | F CONTAMERS | GROUNDWATER | SOL               | Off  | CONTRACT | ACIDIONSE.   | 1000/301     | OTHER |            | DAYE        | TIME                           | C # C          |                |       |      |      |          |                |       |               |                  |          |              |   |
| 120497-1                  | SPI   | I                |             |             | 1                 |      |          |              |              |       | 7          | 10          | 2:15                           | 1              |                | Т     | I    |      |          |                | Ι.    | $\top$        |                  | $T_{-}$  | T            |   |
| 2                         | 2   | L                |             |             | $\mathbf{D}$      |      | 1        | $\mathbf{I}$ |              |       |            | 7           | 7                              | $\Gamma$       |                | m I   | Π.   |      |          |                |       |               | $\mathbf{I}_{-}$ |          | $T_{-}$      |   |
| 3                         |   | ┸                | <u> </u> _  |             | $\perp_{\lambda}$ |      | _        | L            | L            | L     | L          | 7           |                                | $\Box$         | L              | _     | _ _  |      |          | 1              |       |               | 1_               |          |              |   |
| 4                         | 4   | . _              | _           |             | 10                |      | 4        | 4_           | L            |       | _          | <u> </u>    |                                | 1              | L              | - _   | _ _  |      | ļ        | <u> </u>       | -     | ↓_            | ╀                | <u> </u> | <b>—</b>     | 1 |
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| ]                         |   | ┺                | _           | -           | ╄                 | 4    |          | ╌            | ╀            | -     | L          |             | 1                              | <del> </del> — | <del> </del> _ | -     | - -  |      |          | ļ              | -     | -             | ┼—               | -        |              | - |
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|                           |   | ╌                | -           | ┝┿          | ┿                 |      | ╬        | ╢            | -            |       | -          |             |                                |                | <del> </del>   | -     |      |      | -        | ╂─             | ╌     |               |                  | -        | -            |   |
| PLEASE NOTE: 1-4-10-10    | d Brander County to his a restaur county to re  | <del>, L.,</del> | _           |             |                   | -    | -        | بزك          |              | 16 6  | -          | اچا اندې اد | he place for the               |                | _              |       | _    | _    |          |                |       | _             |                  | 1        |              |   |
| COLUMN SER COLUMN SERVICE | ingra pi sapa in indrata di paparipaga di paratra jaraja .<br>A nana pi sabitati dal na may unin appension besi fi is |                  | -           | -           |                   |      | ٧.       |              |              | -     |            | d by shell  | te miratine                    |                |                |       |      |      |          |                |       |               |                  |          |              |   |
| Religiuished B            | V: Date:  | Re               | cel         | ed 8        | r:                |      |          | 6 ~ L        | -64          | +4-   |            | - "         | Phone Re                       | sul:           | D.             | eq    | Q N  | g.   | Add      | Phone<br>Fax 9 | a At. |               |                  |          |              |   |
| V h. a                    | i (70000 5:00   | 4                |             |             |                   |      |          |              |              |       |            |             | Phone Ra<br>Fai Resu<br>REMARK | 3:             | b              | 94    | O N  |      | Addr     | F41.9          |       |               |                  |          |              |   |
| Raingenned Br             | 11 2 200 die 5:00   | 100              | cel         | ed B        | 1-                |      |          |              |              |       | _          |             |                                |                |                |       |      |      |          |                |       |               |                  |          |              |   |
|                           | "Hime:  | 1/               | 0           | di          | :                 | 1    | le.      | И            | 44           | H     | ~          | _           |                                | ව              | 17             | 'ست   | l    |      |          |                |       |               |                  |          |              |   |
| Dalivered By              | : (Circle One)  |                  | <b>V</b>    | Si          | mple              | Cons | ltion    |              |              | ECK   |            | BY.         | 1                              |                |                |       |      |      |          |                |       |               |                  |          |              |   |
|                           | - Bus - Other:  | 2                | <u>ე</u>    | ر<br>د آ    | ol I<br>Yes       | P    | es<br>No |              | (            | F     | 4          | ;           |                                |                |                |       |      |      |          |                |       |               |                  |          |              |   |
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| 14808-011                 | • •   |                  |             |             |                   | -    | H        | -17          | 1            | 2     |            |             |                                |                |                |       |      |      |          |                |       |               | <u>_</u>         | Lade     | 4 014        | - |

Received by OCD: 7/29/2021 9:18:03 AM



September 13, 2019

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

HOBBS, NM 88240

RE: SEVEN RIVERS QUEEN #428

Enclosed are the results of analyses for samples received by the laboratory on 09/10/19 12:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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)

Accreditation applies to public drinking water matrices.

Celeg L. Keene

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

Sincerely,

Received by OCD: 7/29/2021 9:18:03 AM

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:

09/10/2019

Reported: Project Name: 09/13/2019

Project Number:

NONE GIVEN

**SEVEN RIVERS QUEEN #428** 

Project Location:

**NOT GIVEN** 

Sampling Date:

09/06/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

### Sample ID: CENTER SP - 1' (H903116-01)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: CK     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | 8\$  | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 2.15 | 107        | 2.00          | 3.80 |           |
| Toluene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 93.8       | 2.00          | 3.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 94.1       | 2.00          | 3.58 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 09/12/2019 | ND           | 5.72 | 95.4       | 6.00          | 3.47 |           |
| Total BTEX                           | <0.300 | 0.300           | 09/12/2019 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromostuorobenzene (PIE | 95.7   | % 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | <16.0  | 16.0            | 09/11/2019 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 09/11/2019 | ND           | 214  | 107        | 200           | 1.48 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 09/11/2019 | ND           | 215  | 108        | 200           | 2.86 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 09/11/2019 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 83.5   | % 41-14.        | 2          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 89.2   | % 37.6-1-       | 17         |              |      |            |               |      |           |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 19



### Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

09/10/2019

Reported: Project Name: 09/13/2019 SEVEN RIVERS QUEEN #428

Project Number: Project Location: NONE GIVEN

Sampling Date:

09/06/2019

Sampling Type:

Soil Cool & Intact

Sampling Condition: Sample Received By:

Tamara Oldaker

# Sample ID: CENTER SP - 2' (H903116-02)

| Chloride, SM4500CI-8 | 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            | 09/11/2019 | ND           | 416 | 104        | 400           | 0.00 |           |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 19







### Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

09/10/2019

Reported:

09/13/2019

Project Name: Project Number: SEVEN RIVERS QUEEN #428 NONE GIVEN

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 09/06/2019 Soil

Cool & Intact Tamara Oldaker

Project Location: NOT

| Sample I | D: WEST | SP - 1' | (H903116 | i-03) |
|----------|---------|---------|----------|-------|
|          |         |         |          |       |

| BTEX 80218                           | mg/l   | (g              | Analyze    | d By: CK     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 2.15 | 107        | 2.00          | 3.80 |           |
| Toluene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 93.8       | 2.00          | 3.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 94.1       | 2.00          | 3.58 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 09/12/2019 | ND           | 5.72 | 95.4       | 6.00          | 3.47 |           |
| Total BTEX                           | <0.300 | 0.300           | 09/12/2019 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PIE | 96.19  | 6 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500Ci-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | 8\$  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 09/11/2019 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 09/12/2019 | ND           | 214  | 107        | 200           | 1.48 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 09/12/2019 | ND           | 215  | 108        | 200           | 2.86 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 09/12/2019 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 83.89  | % 41-14.        | 2          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 89.8 9 | % 37.6-1-       | 17         |              |      |            |               |      |           |

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Celey D. Keene, Lab Director/Quality Manager

Page 4 of 19



### Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 09/10/2019

09/13/2019

**SEVEN RIVERS QUEEN #428** 

Project Name: Project Number: Project Location:

NONE GIVEN

Sampling Date: Sampling Type:

Sample Received By:

Soil

Sampling Condition:

Cool & Intact Tamara Oldaker

Qualifier

09/06/2019

NOT GIVEN

Sample ID: WEST SP - 2' (H903116-04)

Chloride, SM4500CI-B

Analyzed By: AC

| Analyte  | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  |
|----------|--------|-----------------|------------|--------------|-----|------------|---------------|------|
| Chloride | 928    | 16.0            | 09/11/2019 | ND           | 416 | 104        | 400           | 0.00 |

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any other cause whitstoever shall be deemed wanted unless made in winbing and received by Cardinal water that [30] days after completion of the applicable service. Including, without (including), wi In no event shall Cardinal be liable

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Celey D. Keene, Lab Director/Quality Manager

Page 5 of 19

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### Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

09/10/2019

Reported:

09/13/2019

Project Name: Project Number: Project Location: SEVEN RIVERS QUEEN #428

NONE GIVEN

**NOT GIVEN** 

Sampling Date: Sampling Type: 09/06/2019

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: WEST SP - 3' (H903116-05)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: CK     |      | _          |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 2.15 | 107        | 2.00          | 3.80 |           |
| Toluene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 93.8       | 2.00          | 3.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 94.1       | 2.00          | 3.58 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 09/12/2019 | ND           | 5.72 | 95.4       | 6.00          | 3.47 |           |
| Total BTEX                           | <0.300 | 0.300           | 09/12/2019 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromosluorobenzene (PIE | 96.4   | % 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            | <u></u>       |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1330   | 16.0            | 09/11/2019 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 09/11/2019 | ND           | 214  | 107        | 200           | 4,27 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 09/11/2019 | ND           | 217  | 109        | 200           | 7.72 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 09/11/2019 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 87.6   | % 41-142        | ?          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 94.5   | % 37.6-14       | 17         |              |      |            |               |      |           |

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### Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 09/10/2019

09/13/2019

Project Name:

**SEVEN RIVERS QUEEN #428** 

Project Number: Project Location:

NONE GIVEN

Sampling Date: Sampling Type: 09/06/2019

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: WEST SP - 4' (H903116-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

| Analyte  | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|----------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Chloride | 1140   | 16.0            | 09/11/2019 | ND           | 416 | 104        | 400           | 0.00 |           |

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### Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

09/10/2019

Reported:

09/13/2019

Project Name:

**SEVEN RIVERS QUEEN #428** 

Project Number:

NONE GIVEN

Sampling Date:

09/06/2019

Sampling Type:

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

**NOT GIVEN** 

Sample ID: WEST SP - 5' (H903116-07)

| BTEX 8021B                           | mg/    | 'kg             | Analyze    | d By: CK     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 2.15 | 107        | 2.00          | 3.80 |           |
| Toluene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 93.8       | 2.00          | 3.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 94.1       | 2.00          | 3.58 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 09/12/2019 | ND           | 5.72 | 95.4       | 6.00          | 3.47 |           |
| Total BTEX                           | <0.300 | 0.300           | 09/12/2019 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PIL | 97.4   | % 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | 85   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 1070   | 16.0            | 09/11/2019 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 09/11/2019 | ND           | 214  | 107        | 200           | 4.27 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 09/11/2019 | ND           | 217  | 109        | 200           | 7.72 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 09/11/2019 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 93.0   | % 41-142        | ?          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 99.8   | % 37.6-14       | 17         |              |      |            |               |      |           |

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Received: Reported: 09/10/2019

09/13/2019

Project Name: Project Number:

Project Location:

**SEVEN RIVERS QUEEN #428** 

NONE GIVEN **NOT GIVEN** 

Sampling Date:

Sample Received By:

Sampling Type: Soil

Sampling Condition:

Cool & Intact

09/06/2019

Tamara Oldaker

| BYEX 8021B                           | mg/    | kg              | Analyze    | d By: CK     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 2.15 | 107        | 2.00          | 3.80 |           |
| Toluene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 93.8       | 2.00          | 3.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 94.1       | 2.00          | 3.58 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 09/12/2019 | ND           | 5.72 | 95.4       | 6.00          | 3.47 |           |
| Total BTEX                           | <0.300 | 0.300           | 09/12/2019 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PIL | 97.0   | % 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value OC | RPD  | Oualifier |

| Chloride, SM4500CI-B | mg,    | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BŞ  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 09/11/2019 | ND           | 416 | 104        | 400           | 0.00 |           |
| TPH 8015M            | mg     | /kg             | Analyze    | d By: MS     |     |            |               |      |           |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*          | <10.0  | 10.0            | 09/11/2019 | ND           | 214 | 107        | 200           | 4.27 |           |
| DRO >C10-C28*        | <10.0  | 10.0            | 09/11/2019 | ND           | 217 | 109        | 200           | 7.72 |           |
| EXT DRQ >C28-C36     | <10.0  | 10.0            | 09/11/2019 | ND           |     |            |               |      |           |

Surrogate: 1-Chlorooctane

93.3 %

41-142

Surrogate: 1-Chlorooctadecane

99.7 %

37.6-147

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### Analytical Results For:

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

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Received:

09/10/2019

Sampling Date:

09/06/2019

Reported:

09/13/2019

Sampling Type:

Cool & Intact

Soil

Project Name:

**SEVEN RIVERS QUEEN #428** 

Reporting Limit

Sampling Condition:

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sample Received By:

Tamara Oldaker

Sample ID: NORTH SP - 2' (H903116-09)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Result

Analyzed

Method Blank

BS % Recovery True Value QC

Qualifier

Chloride

48.0

09/11/2019

104

RPD

16.0

ND

416

400

0.00

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### Analytical Results For:

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Fax To:

(575) 393-2432

Received:

09/10/2019

Sampling Date:

09/06/2019

Reported:

09/13/2019

Sampling Type:

Soil

Project Name:

**SEVEN RIVERS QUEEN #428** 

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

NONE GIVEN NOT GIVEN

Sample ID: EAST SP - 1' (H903116-10)

| BTEX 8021B     | mg/    | 'kg             | Analyze    | d By: CK     |      |            |               |      |           |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 09/12/2019 | ND           | 2.15 | 107        | 2.00          | 3.80 |           |
| Toluene*       | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 93.8       | 2.00          | 3.15 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 94.1       | 2.00          | 3.58 |           |
| Total Xylenes* | <0.150 | 0.150           | 09/12/2019 | ND           | 5.72 | 95.4       | 6.00          | 3.47 |           |
| Total BTEX     | <0.300 | 0.300           | 09/12/2019 | ND           |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIE

96.7 %

73.3-129

| Chloride, SM4500CI-8 | mg,    | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | 85  | % Recovery | True Value QC | RPD  | Qualifie  |
| Chloride             | <16.0  | 16.0            | 09/11/2019 | ND           | 416 | 104        | 400           | 0.00 |           |
| TPH 8015M            | mg.    | /kg             | Analyze    | d By: MS     |     |            |               |      |           |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*          | <10.0  | 10.0            | 09/11/2019 | ND           | 214 | 107        | 200           | 4.27 |           |
| DRO >C10-C28*        | <10.0  | 10.0            | 09/11/2019 | ND           | 217 | 109        | 200           | 7.72 |           |
| EXT DRO >C28-C36     | <10.0  | 10.0            | 09/11/2019 | ND           |     |            |               |      |           |

Surrogate: 1-Chlorooctane

90.2 %

41-142

Surrogate: 1-Chlorooctadecane

96.5 %

37.6-147

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### Analytical Results For:

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

Fax To:

:

(575) 393-2432

Received:

09/10/2019

Sampling Date:

09/06/2019

Reported:

09/13/2019

Sampling Type:

Soil

Project Name:

**SEVEN RIVERS QUEEN #428** 

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sample ID: EAST SP - 2' (H903116-11)

Chloride, SM4500CI-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride <16.0 16.0 09/11/2019 ND 416 104 400 0.00

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### Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 09/10/2019

09/13/2019

Project Name: Project Number: SEVEN RIVERS QUEEN #428 NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

Sample Received By:

09/06/2019 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Tamara Oldaker

Sample ID: EAST SP - 3' (H903116-12)

| BTEX 8021B                           | mg,    | /kg             | Analyze    | d By: CK     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 2.15 | 107        | 2.00          | 3.80 |           |
| Toluene*                             | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 93.8       | 2.00          | 3.15 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 09/12/2019 | ND           | 1.88 | 94.1       | 2.00          | 3.58 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 09/12/2019 | ND           | 5.72 | 95.4       | 6.00          | 3.47 |           |
| Total BTEX                           | <0.300 | 0.300           | 09/12/2019 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PIL | 97.6   | % 73.3-12       | 9          |              |      |            |               |      |           |
| 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            | 09/11/2019 | ND           | 416  | 104        | 400           | 0.00 |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 09/11/2019 | ND           | 214  | 107        | 200           | 4.27 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 09/11/2019 | ND           | 217  | 109        | 200           | 7.72 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 09/11/2019 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 91.1   | % 41-142        | ?          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 97.8   | % 37.6-14       | 7          |              |      |            |               |      |           |

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

Received: 09/10/2019 Reported:

**SEVEN RIVERS QUEEN #428** Project Name:

Project Number: Project Location:

09/13/2019

NONE GIVEN **NOT GIVEN** 

Sampling Date:

Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

09/06/2019

Sample ID: EAST SP - 4' (H903116-13) Chloride, SM4500Cl-B

| Chloride, SM4500Cl-B | mg     | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 09/11/2019 | ND           | 432 | 108        | 400           | 0.00 |           |

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### Analytical Results For:

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

Fax To:

(575) 393-2432

Received:

09/10/2019

Sampling Date:

09/06/2019

Reported:

09/13/2019

Sampling Type:

Soil

Project Name:

SEVEN RIVERS QUEEN #428

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN

Sample Received By:

Tamara Oldaker

### Sample ID: EAST SP - 5' (H903116-14)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: BF     |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 09/11/2019 | ND           | 1.99 | 99.4       | 2.00          | 0.0332 |           |
| Toluene*                             | <0.050 | 0.050           | 09/11/2019 | ND           | 2.00 | 100        | 2.00          | 1.34   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 09/11/2019 | ND           | 2.03 | 102        | 2.00          | 0.393  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 09/11/2019 | ND           | 6.08 | 101        | 6.00          | 0.808  |           |
| Total BTEX                           | <0.300 | 0.300           | 09/11/2019 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PIE | 87.7   | % 73.3-12       | 9          |              |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg/    | 'kg             | Analyze    | d By: AC     |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | 85   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 432    | 16.0            | 09/11/2019 | ND           | 432  | 108        | 400           | 0.00   |           |
| TPH 8015M                            | mg,    | 'kg             | Analyze    | d By: MS     |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 09/11/2019 | ND           | 214  | 107        | 200           | 4.27   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 09/11/2019 | ND           | 217  | 109        | 200           | 7.72   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 09/11/2019 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 92.1   | % 41-142        | 1          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 98.9   | % 37.6-14       | 7          |              |      |            |               |        |           |

# Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liabety and Damages. Cardinal's labelity and client's exclusive remedy for any claim ansing, whether based in contract or tork, 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 inodertal or consequential damages, including, without limitation, business interruptions, loss of use, or living of grafts incurred by client, its subsidiaries, affiliates or successors arong out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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 Laborationes.

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Celey D. Keene, Lab Director/Quality Manager

Imaging: 1/25/2023 9:14:00 AM



### Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 09/10/2019

09/13/2019

SEVEN RIVERS QUEEN #428

Project Name: Project Number:

NONE GIVEN **NOT GIVEN** 

Project Location:

Sampling Date: Sampling Type: 09/06/2019

Sampling Condition:

Soil

Sample Received By:

Cool & Intact

Tamara Oldaker

### Sample ID: SOUTH SP - 1' (H903116-15)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: 8F     |      |            |               |        |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 09/11/2019 | ND           | 1.99 | 99.4       | 2.00          | 0.0332 |           |
| Toluene*                             | <0.050 | 0.050           | 09/11/2019 | ND           | 2.00 | 100        | 2.00          | 1.34   |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 09/11/2019 | ND           | 2.03 | 102        | 2.00          | 0.393  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 09/11/2019 | ND           | 6.08 | 101        | 6.00          | 0.808  |           |
| Total BTEX                           | <0.300 | 0.300           | 09/11/2019 | ND           |      |            |               |        |           |
| Surrogate: 4-Bromofluorobenzene (PIL | 89.5   | % 73.3-12       | 9          | 85           |      |            |               |        |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Chloride                             | 16.0   | 16.0            | 09/11/2019 | ND           | 432  | 108        | 400           | 0.00   |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |        |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 09/11/2019 | ND           | 214  | 107        | 200           | 4.27   |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 09/11/2019 | ND           | 217  | 109        | 200           | 7.72   |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 09/11/2019 | ND           |      |            |               |        |           |
| Surrogate: 1-Chlorooctane            | 86.5   | % 41-142        | ?          |              |      |            |               |        |           |
| Surrogate: 1-Chlorooctadecane        | 93.2   | % 37.6-14       | 7          |              |      |            |               |        |           |

### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liabliny and Damages, Cardinal's liabliny and cherifs evolutive remedy for any daim ansing, whether based in contract or tort, shall be femiled to the amount paid by chert for analyses. All claims, including those for negligence any other clause whitsoever shall be deemed wered unless made in writing and received by Cardinal within thing (30) days after compression of the applicable service. In no event shall Cardinal be hable for inoderical or consequential dam including, without limitation, business interruptions, loss of use, or loss of profits incurred by Clerch, its subsidiaries, affiliates or successors arising out of der related to the performance of the services hereunder by Cardinal, regardless of whether claims 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 Laboratones.

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### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

Relative Percent Difference RPD

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

Insufficient time to reach temperature.

Chloride by SM4500CI-B does not require samples be received at or below  $6^{\circ}\text{C}$ 

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

\*=Accredited Analyte Cardinal Laboratories

PLEASE NOTE: Liabday and Damages. Cardinal's bability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be invited 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 thinty (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 just, or loss of just, or loss of just, or loss of just, or loss of whether such

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Celey D. Keene, Lab Director/Quality Manager

Page 17 of 19





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Delivered By: (Circle One) 6.62 #7 Sample Condition Cool Intact Cool Intact Gres Gres Gres Gres Gres Gres Gres Gres | Relinquished by:  Relinquished by:  Deleter (1000 Received By:  Time:  Relinquished By:  Time:  Time:  | PLEASE NOTE: Libbilly and Damages. Cardinal's liability and client's orchains manifely whether based in contract or lost, shall be limited to the emount paid by the client for the PLEASE NOTE: Libbilly and contract or lost, shall be limited to the emount paid by cardinal within 30 days later completion of the amages. All claims including those for engigence and any other course whatbower shall be deemed welved unless made in writing and received by Candinal within 30 days later completion of the state of th | \$ 000 to 50-8, 19 19 19 19 19 19 19 19 19 19 19 19 19 | 6 WEX 8-3,                                | 8 5 3 1 2 8 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 | # CO<br>GRO<br>WAS<br>SOIL           |                                   | FOR LAB USE DALY  O. MATRIX  O. MATRIX | Project Location: Selven Elmsquen #488 | Project #: Project Owner: | Phone #: Fax #:   | Address: Zip: | Project Manager:      | Company Name: 1200// COT | 101 East Marland, Hobbs, NM 88240<br>(575) 393-2326 FAX (575) 393-2476 |
|---|--|--|--|---|---|--------------------------------------|-----------------------------------|--|--|---------------------------|-------------------|---------------|-----------------------|--------------------------|--|
| Erres T.S. UM Baher Rounder Com.  | Fax Result: 12 Yes 12 No Add'l Phone #: Fax Result: 12 Yes 12 No Add'l Fax #: Fax Result: 12 Yes 12 No Add'l Fax #: Fax Result: 12 Yes 12 No Add'l Fax #: Fax Result: 12 Yes 12 No Add'l Fax #: Fax Result: 12 Yes 12 No Add'l Phone #: Fax Result: 12 Yes 12 No Add'l Phone #: Fax Result: 12 Yes 12 No Add'l Phone #: Fax Result: 12 Yes 12 No Add'l Phone #: Fax Result: 12 Yes 12 No Add'l Phone #: Fax Result: 12 Yes 12 No Add'l Fax #: Fax Result: 12 Yes 1 | pplicable  | X  | 2 8 8 8 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | XXX X X X X X X X X X X X X X X X X X             | ACIII<br>ACIII<br>OTH<br>OTH<br>DATE | DGE HER: DIBASE: I COOL HER: TOPH | PRESERVI SAMPLING                      | #U52-651-640°                          | State: 1 M Zip: 80040     | Address: 355 MWCO | und furser    | COMPANY: POCKER, CORP | BILL 10                  |  |





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: (10)                          |  | BILL TO             | A              | ANALYSIS REQUEST |    |
|---|--|---------------------|----------------|------------------|----|
| Project Manager:                            | P.O. #:  | 井                   |                |                  | _  |
| Address:                                    | Соп  | Company:            |                |                  |    |
| City: State:                                | Zip: Attn:   | DIVER BOUNT         |                |                  |    |
| Phone #: Fax #:                             | Add  | Address: 2350 MOILO | 6              |                  |    |
| Project #: Project Owner:                   |  | City: LEODS         |                |                  |    |
| ame:  | State  | \$20 XX 30 XX       |                |                  |    |
| Project Location: Seven LILLIO OILLIO # 422 | 7  | Phone #489-68-698   |                |                  |    |
|   | Fax #:   |                     | 5              |                  |    |
| FOR LAB USE DMLY                            | MATRIX   | PRESERV. SAMPLING   | 0              |                  |    |
| Sample ID                                   | WATER<br>/ATER   |                     | Iric<br>X<br>H |                  | 32 |
| Lao I.D. Sample I.D.                        | CONTAIL CROUND CONTAIL COLL COLL COLL COLL COLL COLL COLL CO | OTHER:              | Un<br>Ble      |                  |    |
| 161005 Sp-12                                | χ  | $\times$            | XXX            |                  |    |
| 2 00 S                                      | ××   | ×××                 | ××             |                  |    |
| 13 0118 50-4                                |  | 2.6                 | \ <del>\</del> |                  |    |
| is Switt spi                                | X  | 15.20 N X           | +XX            |                  |    |
|   |  |                     |                |                  |    |
|   |  |                     |                |                  |    |

analyses. All claims including those is regigence and any other cause who because remedy for any claim setting whether based is contract or bot, stall be ferried to the amount paid by the clear for the service. In no event shall Candinal he fidule for included an ordered amongs: including without findation, but of uses of use, or loss of profit incurred by clean, its subcidiaries, affiliates or successors arising out of or mineral to the performance of services have under by Candinal, regardings of whether such claim is based upon any of the above stated regions or otherwise.

Relinquished By:

Dather

Dather

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|--|--|---|
| Relinquished By:   | Date: A Received By:   | Thome xesur: U tes U No Augurnome *:  |
| - Annual desiration and a  | 4-10-17  | Fax Result:    Yes    No    Add'l Fax #:  |
|  | Time: Allah Allah  | REMARKS:  |
|  | 11.10 MMMMM & MALL   | イングとアファン  |
| Relinquished By:   | Date: Received By:   | ている。たいろうのでは、中である。   |
|  | Time:  | CITY OF THE STATE |
| Delivered By: (Circle One)   | Cool Intact (Initials)   | Land Control of Control   |
| Sampler - UPS - Bus - Other:   | CANATA OF BREEFING TO  | •   |



January 27, 2020

CALEB PITCHER

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: SEVEN RIVERS QUEEN UNIT #428

Enclosed are the results of analyses for samples received by the laboratory on 01/24/20 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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:

Hungry Horse Environmental CALEB PITCHER P.O. Box 1058 Hobbs NM, 88240

Fax To: (505) 391-4585

Received: 01/24/2020 Sampling Date: 01/22/2020

Reported: 01/27/2020 Sampling Type: Soil

Project Name: SEVEN RIVERS QUEEN UNIT #428 Sampling Condition: \*\* (See Notes)
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: APACHE CORP

### Sample ID: WSP - 7' (H000235-01)

| Chloride, SM4500Cl-B     | mg         | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
|--------------------------|------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                  | Result     | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                 | 1020       | 16.0            | 01/24/2020 | ND           | 416 | 104        | 400           | 0.00 |           |
| Sample ID: WSP - 9' (H00 | 00235-02)  |                 |            |              |     |            |               |      |           |
| Chloride, SM4500Cl-B     | mg         | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
| Analyte                  | Result     | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                 | 800        | 16.0            | 01/24/2020 | ND           | 416 | 104        | 400           | 0.00 |           |
| Sample ID: WSP - 11' (HC | 000235-03) |                 |            |              |     |            |               |      |           |
| Chloride, SM4500Cl-B     | mg         | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
| Analyte                  | Result     | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                 | 640        | 16.0            | 01/24/2020 | ND           | 416 | 104        | 400           | 0.00 |           |
| Sample ID: WSP - 13' (HC | 000235-04) |                 |            |              |     |            |               |      |           |
| Chloride, SM4500Cl-B     | mg         | /kg             | Analyze    | d By: AC     |     |            |               |      |           |
| Analyte                  | Result     | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                 |            |                 |            |              |     |            |               |      |           |

### Cardinal Laboratories \*=Accredited Analyte

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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, 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. Keine



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name:  |   | BILL TO  | ANALYSIS REQUEST   |    |
|--|---|--|--|----|
| Project Manager: ( ) Leb Diller  |   | P.O. #:  |  |    |
| Address: 11024 Plains Highway  | ¥   | Company: Afreche   |  |    |
| City: Louise toth State: NM  | V Zip:  | 3  |  |    |
| Phone #: 575-9404-0123 Fax #:  |   | Address:   |  |    |
| Project #: Project Owner:  |   | City:  |  |    |
| Project Name: Apacha   |   | State: Zip:  |  |    |
| Project Location: Seven Rivers Queen   | のた。十年リスタ  | #  |  |    |
|  | ,   | Fax #:   |  |    |
| FOR LAB USE ONLY   | MATRIX  | PRESERV. SAMPLING  |  |    |
| Lab I.D. Sample I.D.   | OR (C)OMP<br>AINERS<br>DWATER<br>WATER  | SE:<br>OL  | oriole   |    |
| H000 235   | # CON<br>GROU   | OTHEF<br>ACID/E<br>ICE / C<br>OTHEF<br>DATE  | TIME   |    |
| 1 USP-71   | 7   | メ 1/22   |  |    |
| 2 (150-9)  |   |  |  |    |
| 1  | 9 6   |  |  |    |
|  | 7   | /  |  |    |
|  |   |  |  |    |
|  |   |  |  |    |
|  |   |  |  |    |
| analyses. All claims including those for negligence and any other cause whatboever 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 fimilation, business interruptions, loss of use, or loss of profit incurred by clernt, its subsidiaries, officiales or successors arising out of or piblied to the nerformance of services benefined received by developing and received upon or loss of use, or received the other completions of the control of services benefined to a successors arising out of or piblied to the nerformance of services benefined to a successor satisfied out of or piblied to the nerformance of services benefined to a successor satisfied out of or piblied to the nerformance of services benefined to a successor satisfied out of or piblied to the nerformance of services benefined to a successor satisfied out of or piblied to the nerformance of services benefined to a successor satisfied out of or piblied to the nerformance of services benefined to a successor satisfied out of or piblied to the nerformance of services benefined to a successor satisfied out of or piblied to the nerformance of services. | ery for any craim arising whether based in contract<br>shall be deerned waived unless made in writing and<br>netucing wilhout limitation, business interruptions, I<br>der by Cardinal regardless of whether such claim i | tor tort, shall be invited to the amount paid by directived by Cardinal within 30 days after cor loss of profits incurred by client is based unaparate of the above stated access. | The client for the implets on of the applicable in the state of the applicable in the state of the applicable in the state of the state |    |
| Relinguished By:   | -20 Received By:  | PP PP  | Phone Result: ☐ Yes ☐ No Add'l Phone #: Fax Result: ☐ Yes ☐ No Add'l Fax #:  |    |
| Relinquished By:  Date:  | Received By:  | May R  | Boker 10 AF  |    |
| Time:  |   | (  |  |    |
| Delivered By: (Circle One)   | Sample Condition<br>Cool Intact   | ion CHECKED BY:  |  | *  |
| Sampler - UPS - Bus - Other: #113  | 17.4° Tho Tho No  | 4  |  | 8. |



June 22, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: SESRQ #428

Enclosed are the results of analyses for samples received by the laboratory on 06/18/21 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

Received: 06/18/2021 Reported: 06/22/2021

Project Name: SESRQ #428
Project Number: NOT GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/17/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: WSP @ 13' (H211570-01)

| BTEX 8021B                           | mg,                    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result                 | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 0.050           |                 | 06/19/2021 | ND           | 2.07 | 104        | 2.00          | 2.02 |           |
| Toluene*                             | <0.050                 | 0.050           | 06/19/2021 | ND           | 1.96 | 98.1       | 2.00          | 2.55 |           |
| Ethylbenzene*                        | <0.050                 | 0.050           | 06/19/2021 | ND           | 1.91 | 95.4       | 2.00          | 1.98 |           |
| Total Xylenes*                       | <0.150                 | 0.150           | 06/19/2021 | ND           | 5.80 | 96.7       | 6.00          | 2.12 |           |
| Total BTEX                           | <0.300                 | 0.300           | 06/19/2021 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9                  | % 69.9-14       | 0          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,                    | /kg             | Analyze    | d By: GM     |      |            |               |      |           |
| Analyte                              | Result Reporting Limit |                 | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 64.0                   | 16.0            | 06/18/2021 | ND           | 400  | 100        | 400           | 7.69 |           |
| 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            | 06/21/2021 | ND           | 213  | 106        | 200           | 2.07 |           |
| DRO >C10-C28*                        | <10.0                  | 10.0            | 06/21/2021 | ND           | 205  | 102        | 200           | 2.36 |           |
| EXT DRO >C28-C36                     | <10.0                  | 10.0            | 06/21/2021 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 83.6                   | % 44.3-13       | 3          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 80.8                   | % 38.9-14       | 2          |              |      |            |               |      |           |

A ... - L ... - - - I D. .. MC

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## Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/18/2021 Sampling Date: 06/17/2021 Reported: 06/22/2021 Sampling Type: Soil

Project Name: SESRQ #428 Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

Project Location: NONE GIVEN

### Sample ID: WSP NW (H211570-02)

| 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           | 06/19/2021 | ND           | 2.07 | 104        | 2.00          | 2.02 |           |
| Toluene*                             | <0.050 | 0.050           | 06/19/2021 | ND           | 1.96 | 98.1       | 2.00          | 2.55 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/19/2021 | ND           | 1.91 | 95.4       | 2.00          | 1.98 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/19/2021 | ND           | 5.80 | 96.7       | 6.00          | 2.12 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/19/2021 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112 %  | 69.9-14         | 0          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: GM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 64.0   | 16.0            | 06/18/2021 | ND           | 400  | 100        | 400           | 7.69 |           |
| 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            | 06/21/2021 | ND           | 213  | 106        | 200           | 2.07 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/21/2021 | ND           | 205  | 102        | 200           | 2.36 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/21/2021 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 93.9   | % 44.3-13       | 3          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 90.4   | % 38.9-14       | 2          |              |      |            |               |      |           |

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### Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/18/2021 Reported: 06/22/2021

Project Name: SESRQ #428 Project Number: NOT GIVEN Project Location: NONE GIVEN

Sampling Date: 06/17/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: WSP SW (H211570-03)

| 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           | 06/19/2021 | ND           | 2.07 | 104        | 2.00          | 2.02 |           |
| Toluene*                             | <0.050 | 0.050           | 06/19/2021 | ND           | 1.96 | 98.1       | 2.00          | 2.55 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/19/2021 | ND           | 1.91 | 95.4       | 2.00          | 1.98 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/19/2021 | ND           | 5.80 | 96.7       | 6.00          | 2.12 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/19/2021 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9  | % 69.9-14       | 0          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyze    | d By: GM     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0   | 16.0            | 06/18/2021 | ND           | 400  | 100        | 400           | 7.69 |           |
| 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            | 06/21/2021 | ND           | 213  | 106        | 200           | 2.07 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/21/2021 | ND           | 205  | 102        | 200           | 2.36 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/21/2021 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 91.7   | % 44.3-13       | 3          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 89.2   | % 38.9-14       | 2          |              |      |            |               |      |           |

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## Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/18/2021 Reported: 06/22/2021

Project Name: SESRQ #428
Project Number: NOT GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/17/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

### Sample ID: WSP WW (H211570-04)

| 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 |                 | 06/19/2021 | ND           | 2.07 | 104        | 2.00          | 2.02 |           |
| Toluene*                             | <0.050       | 0.050           | 06/19/2021 | ND           | 1.96 | 98.1       | 2.00          | 2.55 |           |
| Ethylbenzene*                        | <0.050       | 0.050           | 06/19/2021 | ND           | 1.91 | 95.4       | 2.00          | 1.98 |           |
| Total Xylenes*                       | <0.150       | 0.150           | 06/19/2021 | ND           | 5.80 | 96.7       | 6.00          | 2.12 |           |
| Total BTEX                           | <0.300       | 0.300           | 06/19/2021 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 112          | % 69.9-14       | 0          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg,          | /kg             | Analyze    | ed By: GM    |      |            |               |      |           |
| Analyte                              | Result       | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0         | 16.0            | 06/18/2021 | ND           | 400  | 100        | 400           | 7.69 |           |
| 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            | 06/21/2021 | ND           | 213  | 106        | 200           | 2.07 |           |
| DRO >C10-C28*                        | <10.0        | 10.0            | 06/21/2021 | ND           | 205  | 102        | 200           | 2.36 |           |
| EXT DRO >C28-C36                     | <10.0        | 10.0            | 06/21/2021 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 92.5         | % 44.3-13       | 3          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 90.4         | % 38.9-14       | 12         |              |      |            |               |      |           |
|                                      |              |                 |            |              |      |            |               |      |           |

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### Analytical Results For:

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

Received: 06/18/2021 Reported: 06/22/2021

Project Name: SESRQ #428 Project Number: NOT GIVEN Project Location: NONE GIVEN

Sampling Date: 06/17/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

### Sample ID: WSP EW (H211570-05)

| 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           | 06/19/2021 | ND           | 2.12 | 106        | 2.00          | 1.84 |           |
| Toluene*                             | <0.050  | 0.050           | 06/19/2021 | ND           | 2.21 | 110        | 2.00          | 5.99 |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 06/19/2021 | ND           | 2.13 | 107        | 2.00          | 5.90 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 06/19/2021 | ND           | 6.38 | 106        | 6.00          | 5.87 |           |
| Total BTEX                           | <0.300  | 0.300           | 06/19/2021 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.5    | % 69.9-14       | 0          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/     | kg              | Analyze    | d By: GM     |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0    | 16.0            | 06/18/2021 | ND           | 400  | 100        | 400           | 7.69 |           |
| 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            | 06/21/2021 | ND           | 213  | 106        | 200           | 2.07 |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 06/21/2021 | ND           | 205  | 102        | 200           | 2.36 |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 06/21/2021 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 89.9    | % 44.3-13       | 3          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 87.8    | % 38.9-14       | 2          |              |      |            |               |      |           |

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### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below  $6^{\circ}\text{C}$ 

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

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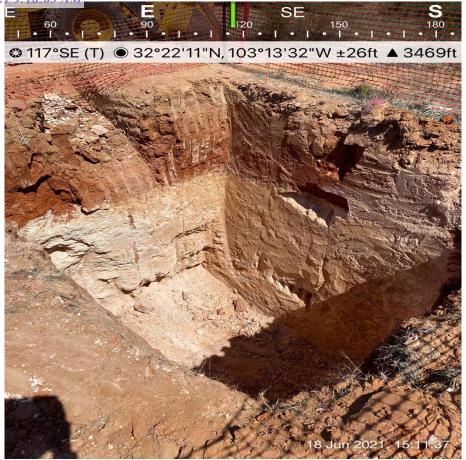
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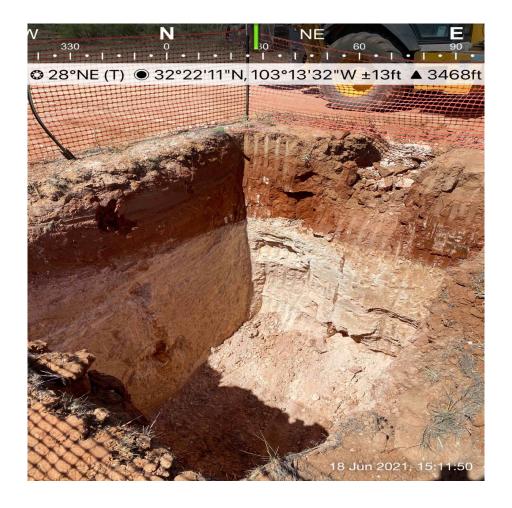
Celey D. Keene

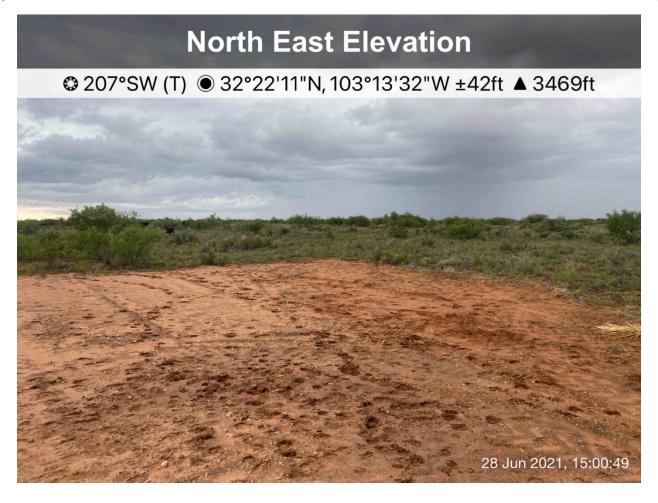
# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



| Yes No Add'l Phone #: ailed. Please provide Email address:  Standard Bacteria (only) S | Company Name: Analysis Request | P.O.# | Colly City | Address: Company: | State: N.W.Zip: < \$240 Attn: | Fax #: Address: |  | State: | ACSAO 408 Phone #: | of the secolar to | MATRIX PRESERV. SAMPLING | R | NERS<br>NATER<br>ATER | ORAB CONTA | (X 81.0 LI/9) - 1 | 1 5.58 × × | 6:00 X X | WSP www CIII I GIORX X | WSPEW CI I GOOD X X |  |  |  |  | Date: Received By:  10 10 10 10 10 10 10 10 10 10 10 10 10 1 | Date: Received By: | 3.9 Sample Condition CHECKED BY: Turnaround Time: Standard Bacteria (only) S | Cool Intact (Initials) |
|--|--------------------------------|-------|------------|-------------------|-------------------------------|-----------------|--|--------|--------------------|-------------------|--------------------------|---|-----------------------|------------|-------------------|------------|----------|------------------------|---------------------|--|--|--|--|--|--------------------|--|------------------------|
|--|--------------------------------|-------|------------|-------------------|-------------------------------|-----------------|--|--------|--------------------|-------------------|--------------------------|---|-----------------------|------------|-------------------|------------|----------|------------------------|---------------------|--|--|--|--|--|--------------------|--|------------------------|













South Eunice Seven Rivers Queen 428
1RP-3066
Revegetation
And
Noxious Weed Plan

# Revegetation Plan:

All the disturbed area in the pasture will be properly prepared and seeded with NMSLO sandy sites seed mixture. The disturbed area will be monitored to ensure successful revegetation is achieved. If revegetation is not successful after a couple of growing seasons the site will be reseeded.

### **Noxious Weed Plan:**

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

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 38741

### **CONDITIONS**

| Operator:               | OGRID:                                    |
|-------------------------|---|
| APACHE CORPORATION      | 873                                       |
| 303 Veterans Airpark Ln | Action Number:                            |
| Midland, TX 79705       | 38741                                     |
|                         | Action Type:                              |
|                         | [C-141] Release Corrective Action (C-141) |

### CONDITIONS

| Created By |      | Condition<br>Date |
|------------|------|-------------------|
| amaxwell   | None | 1/25/2023         |