



DAVID FEATHER
ENVIRONMENTAL SUPERVISOR
DIRECT: (432) 818-1615
E-MAIL: DAVID.FEATHER@APACHECORP.COM

October 22, 2019

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

RE: 1RP-1582

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 September 18, 2007. Apache is respectfully submitting the closure report based on studies occurring in 2019 that demonstrate the site meeting the requirements of the agency. Unless further information is requested by NMOCD, Apache Corporation considers this release closed.

If there are any questions, please feel free to contact me by telephone at 432-818-1615 or by e-mail at David.Feather@ApacheCorp.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "David Feather".

David Feather
Environmental Supervisor
Apache Corporation - Permian Basin Region

Attachment: Closure Report Dated October 21, 2019

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Closure Request



Company: Apache Corporation Address: 2530 W. Marland St., Hobbs, NM 88240 Telephone #: (575) 393-7106

Site Name: WW Weatherly #7 NMOCD Reference#: 1RP-1582

Surface Owner: Deck Estate Mineral Owner: State of New Mexico

Unit Letter: G (SW/NE) Section: 17 Township: 21S Range: 37E County: Lea GPS Coordinates: 32.480073 N -103.183023 W

Date/Time of Release: N/A (Abandonment) Type of Release: ☐ Crude Oil ☐ Produced Water

Volume(s) Released: N/A Volume(s) Recovered: N/A

Closure Criteria for Impacted Soil (mg/kg; See Appendix C, "Closure Criteria Justification"):

Benzene: 10 BTEX: 50 GRO+DRO: 1,000 TPH: ☐ 100 Chloride: ☐ 600
☒ 2,500 ☒ 10,000
☐ 20,000

Background Information:

On September 18, 2007, Apache Corporation (Apache) notified the New Mexico Oil Conservation Division's (NMOCD) Hobbs District Office of its intent to dismantle the WW Weatherly #7 tank battery and remediate and reclaim the site. Remediation and reclamation of the site took place at some point following submittal of the NMOCD "Release Notification & Corrective Action" form (C-141). However, no extant documentation or work records of such activities could be located. In addition, no records or analytical results from soil sampling could be obtained from Cardinal Laboratories.

On July 25, 2019, Apache requested Trinity Oilfield Services & Rentals, LLC (Trinity), assume remediation activities at the release site.

The NMOCD "Release Notification & Corrective Action" form (C-141) is provided as Appendix A. A "Site Location Map" is provided as Figure 1.

Summary of Field Activities:

On August 21, 2019, representatives of Trinity conducted a sampling event to assess the current state of the site. A hand auger was utilized to advance a series of 5 boreholes (SP-1 through SP-5) in the footprint of the former tank battery to investigate the extent of impacted soil. The boreholes were advanced to total depths of approximately 5 feet below ground surface (bgs). Soil samples were collected at ground surface and 1-foot vertical intervals from each location, and confirmation samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis of chloride, total petroleum hydrocarbons (TPH), and/or benzene, toluene, ethylbenzene, and total xylene (BTEX) concentrations using Environmental Protection Agency (EPA) Methods 4500-Cl B, SW 846-8015 Mod, and SW 846-8021B, respectively.

Laboratory analytical results indicated TPH and BTEX constituent concentrations were below the laboratory method detection limit (MDL) in all submitted soil samples, with the exception of sample SP-3 @ 3', which exhibited a TPH concentration of 124 mg/kg. Chloride concentrations ranged from less than the laboratory MDL in soil samples SP-2 @ Surface, SP-2 @ 1', SP-2 @ 2', SP-2 @ 3', SP-3 @ Surface, SP-3 @ 1', SP-4 @ Surface, SP-4 @ 1', SP-5 @ Surface, SP-5 @ 2', SP-5 @ 3', and SP-5 @ 4' to 80.0 mg/kg in soil sample SP-3 @ 5'.

Locations of the auger holes are depicted in Figures 2 and 3, "Sample Location Map" and "Sample Location Map (Historical Aerial)", respectively. Laboratory analytical results are summarized in Table 1, and an analytical report is provided in Appendix D.

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Closure Request



Site Closure Request:

Soil samples collected from the footprint of the former tank battery were analyzed by an NMOCD-approved laboratory, and concentrations of chloride, TPH, and BTEX were below the Closure Criteria listed in Table I of Section 19.15.29.12 of the New Mexico Administrative Code (NMAC) for a site where depth to groundwater is 51 to 100 feet bgs (see Appendix C, "Closure Criteria Justification", for more information). Laboratory analytical results indicate that reclamation activities conducted at the site met the requirements set forth in Section 19.15.29.13.D(1) NMAC. Furthermore, with the exception of portions of an active pipeline right-of-way bisecting the site, vegetation regrowth has met the requirements set forth in Section 19.15.29.13.D(3) NMAC (see photographs in Appendix B). Based on this information, Trinity, on behalf of Apache, hereby requests the NMOCD grant closure to the WW Weatherly #7 tank battery site.

Enclosures:

Figure 1: Site Location Map

Figure 2: Sample Location Map

Figure 3: Sample Location Map (Historical Aerial)

Table 1: Concentrations of Benzene, BTEX, TPH & Chloride in Soil

Appendix A: Release Notification & Corrective Action (Form C-141)

Appendix B: Photographs

Appendix C: Closure Criteria Justification

Appendix D: Laboratory Analytical Results

 10/21/2019
Ben J. Arguijo
Project Manager

Figures

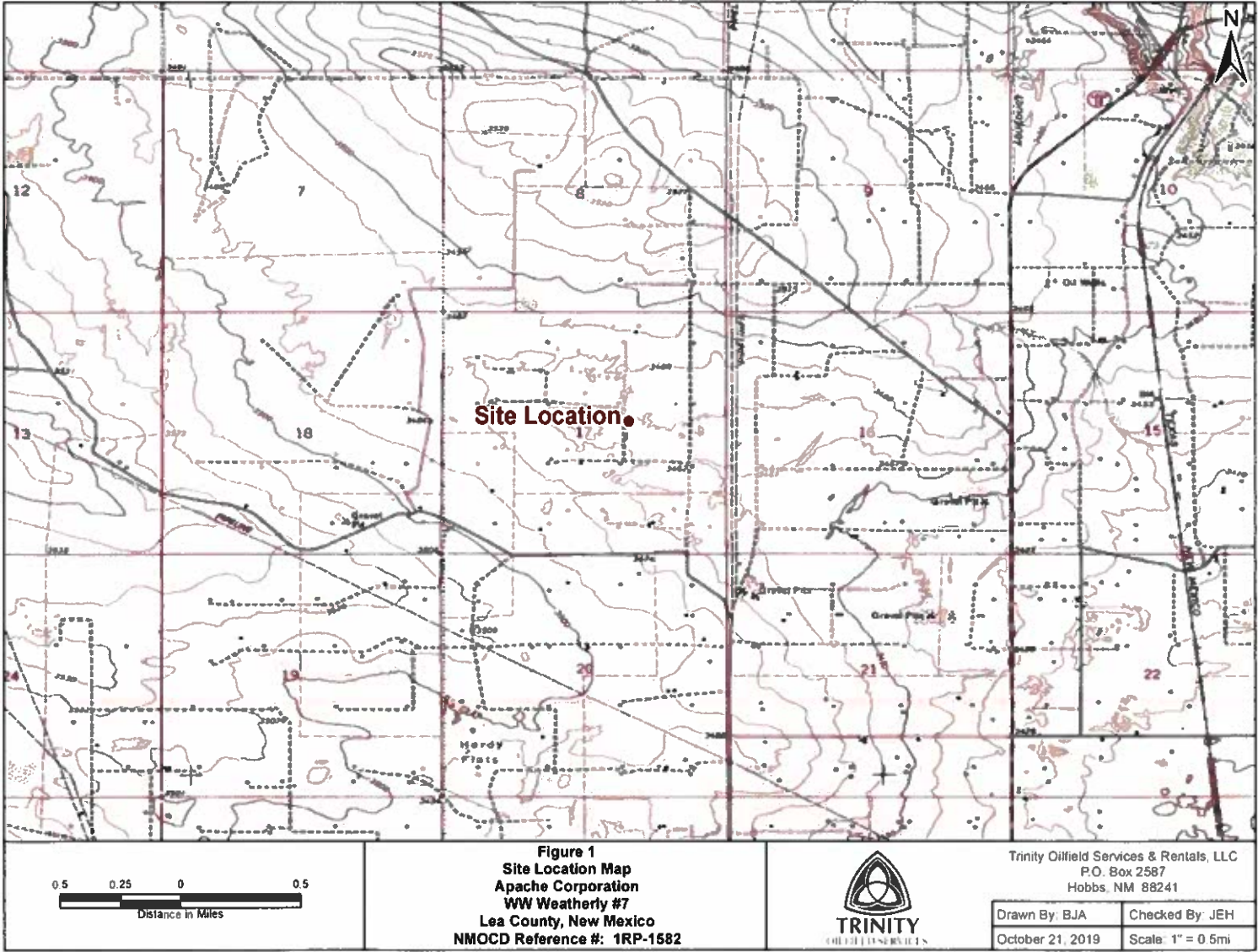
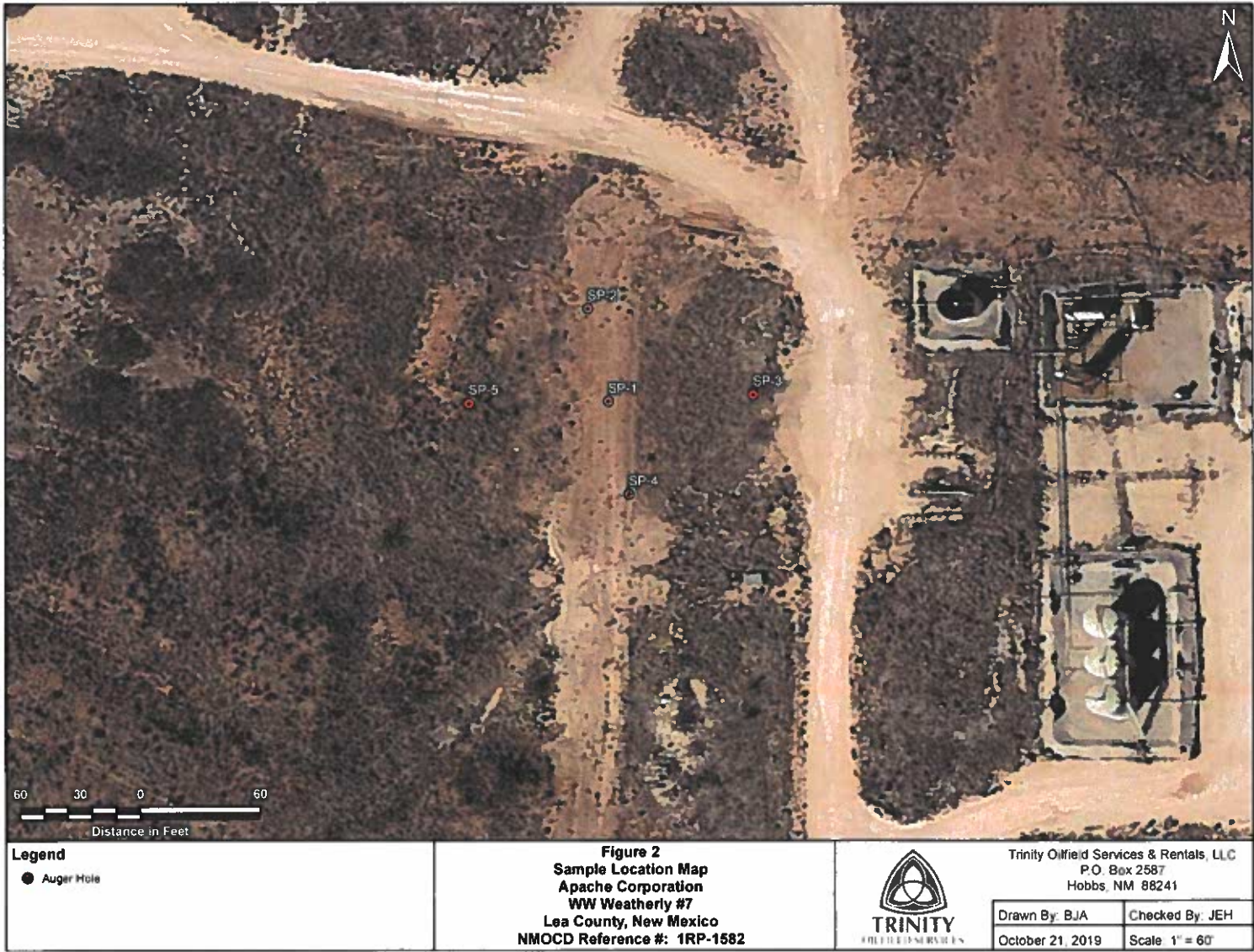


Figure 1
Site Location Map
Apache Corporation
WW Weatherly #7
Lea County, New Mexico
NMOCD Reference #: 1RP-1582



Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: BJA	Checked By: JEH
October 21, 2019	Scale: 1" = 0.5mi





Tables

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

APACHE CORPORATION
WW WEATHERLY #7
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: 1RP-1582



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	EPA SW-846 Method 8021B					EPA SW-846 Method 8015M					4500-Cl B
				BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	C12-C28 (mg/kg)	GRO+ DRO (mg/kg)	MRO C28-C35 (mg/kg)	C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMOCD Closure Limits (mg/kg)				10	NE	NE	NE	50	NE	NE	1,000	NE	2,500	10,000
SP-1 @ Surface	Surface	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	16.0
SP-1 @ 1'	1'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP-1 @ 2'	2'	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	32.0
SP-1 @ 3'	3'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP-1 @ 4'	4'	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	32.0
SP-1 @ 5'	5'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP-2 @ Surface	Surface	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	<16.0
SP-2 @ 1'	1'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP-2 @ 2'	2'	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	<16.0
SP-2 @ 3'	3'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP-2 @ 4'	4'	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	16.0
SP-2 @ 5'	5'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP-3 @ Surface	Surface	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	<16.0
SP-3 @ 1'	1'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP-3 @ 2'	2'	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	32.0
SP-3 @ 3'	3'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	45.6	45.6	78.4	124	48.0
SP-3 @ 4'	4'	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	64.0
SP-3 @ 5'	5'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP-4 @ Surface	Surface	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	<16.0
SP-4 @ 1'	1'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP-4 @ 2'	2'	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	16.0
SP-4 @ 3'	3'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP-4 @ 4'	4'	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	16.0
SP-4 @ 5'	5'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP-5 @ Surface	Surface	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	<16.0
SP-5 @ 1'	1'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SP-5 @ 2'	2'	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	<18.0
SP-5 @ 3'	3'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP-5 @ 4'	4'	8/21/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	<16.0
SP-5 @ 5'	5'	8/21/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

NE = Not Established

- = Not Analyzed

Concentrations in BOLD exceed the NMOCD Closure Limit

Appendices

Appendix A

Release Notification & Corrective Action (Form C-141)

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141

Revised October 10, 2003

Submit 2 Copies to appropriate

District Office in accordance

with Rule 116 on back

side of form

Oil Conservation Division

1120 South St. Francis Dr.

Santa Fe, NM 97505

Release Notification and Corrective Action**OPERATOR**

Initial Report



Final Report

Name of Company	Apache Corporation	Contact	Guinn Burks
Address	P. O. Box 728	Telephone No.	432-556-9143
Facility Name	Crane, TX 79731	Facility Type	Tank Battery
Surface Owner	Deck Estate	Mineral Owner	NM St.
		API #	30-25-36658

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	17	T21S	R37E					Lea

Latitude

Longitude

NATURE OF RELEASE

Type of Release	NA	Volume of Release	NA	Volume Recovered	NA
Source of Release	NA	Date/Hour of Occurrence	Na	Date /Hour of Discovery	NA
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If Yes, To Whom?			
		Verbal- Larry Johnson			
By Whom?	Guinn Burks	Date and Hour		9/18/2007	
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, describe Fully*					
NA					
Describe Cause of Problem and Remedial Action Taken.*					
This battery has been taken out of service and will be remediated to NMOCD guidelines.					
Describe Area Affected and Cleanup Action Taken.*					
John good, project manager for Elke Environmental has been contracted for the remediation.					

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<i>Guinn Burks</i>	Oil Conservation Division	
Printed Name:	Guinn Burks	Approved by the District Supervisor:	<i>L. Johnson</i>
Title:	Permian Basin Environmental Tech.	Approval Date	9.19.07
Email Address:	guinn.burks@usa.apachecorp.com	Expiration Date:	11.16.07
Date:	9/18/2007	Conditions of Approval:	Attached
Phone:	432-556-9143		

*Attach Additional Sheets if Necessary

RP #1562
RP #1582

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>70-75</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141

Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Bruce BAKER Title: Environmental Tech SR.
 Signature: Bruce Baker Date: 10-22-19
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0726757991
District RP	1RP-1582
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Bruce Baker Title: Environmental Tech SR.
 Signature: Bruce Baker Date: 10-22-19
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Bradford Billings Date: 07/07/2021
 Printed Name: Bradford Billings Title: Env.Spec.A

Appendix B

Photographs

Apache Corporation – WW Weatherly #7
Unit Letter "G" (SW/NE), Section 17, Township 21S, Range 37E



☉ 347°N (T) ☉ 32.480151°, -103.182805° ±26ft ▲ 3480ft



☉ 284°W (T) ☉ 32.480144°, -103.182792° ±26ft ▲ 3480ft



Apache Corporation – WW Weatherly #7
Unit Letter "G" (SW/NE), Section 17, Township 21S, Range 37E



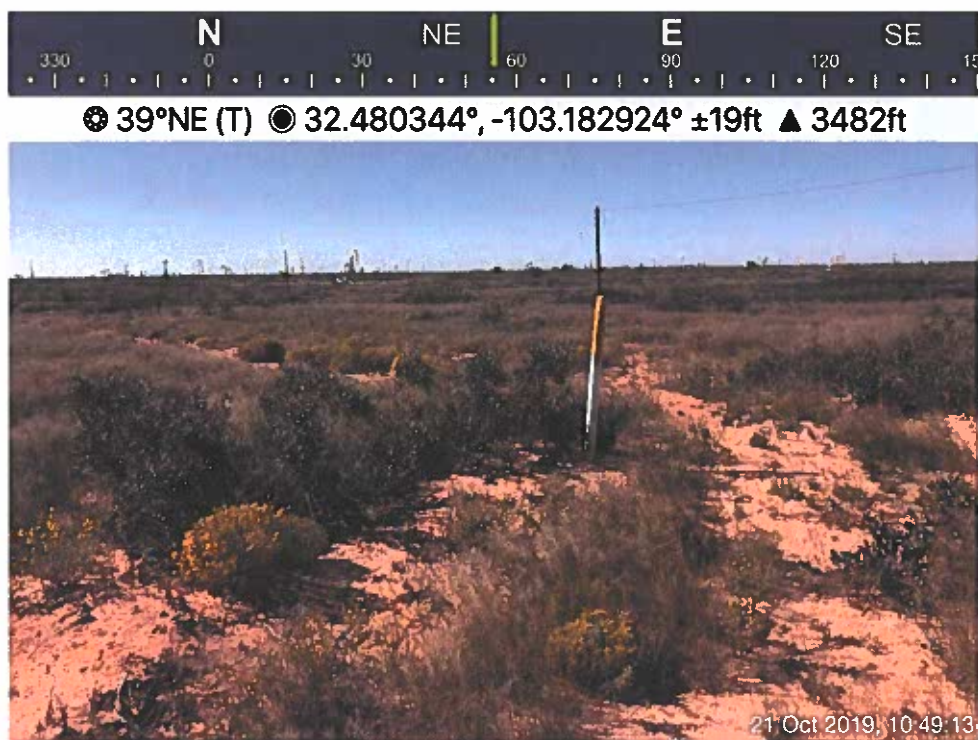
☉ 237°SW (T) ☉ 32.480119°, -103.182796° ±39ft ▲ 3479ft



☉ 179°S (T) ☉ 32.480337°, -103.182925° ±19ft ▲ 3482ft



Apache Corporation – WW Weatherly #7
Unit Letter "G" (SW/NE), Section 17, Township 21S, Range 37E



Appendix C

Closure Criteria Justification

**TABLE 3
CLOSURE CRITERIA JUSTIFICATION**

**APACHE CORPORATION
WW WEATHERLY #7
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: 1RP-1582**



Groundwater, Water Wells & Other Water Sources	
Depth to groundwater (ft)?	70 - 75
Horizontal distance (ft) from all water sources within 0.5 miles?	1,546 - 1,682
Within 500' of a spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No
Within 1000' of any fresh water well or spring?	No
Surface Water	
Horizontal distance (ft) to nearest significant watercourse?	>1,000
Within 300' of any continuously flowing watercourse or any other significant watercourse?	No
Within 200' of any lakebed, sinkhole or playa lake?	No
Human-Occupied, Environmental & Other Areas	
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No
Within 300' of an occupied permanent residence, school, hospital, institution or church?	No
Within 300' of a wetland?	No
Within the area overlying a subsurface mine?	No
Within an unstable area?	No
Within a 100-year floodplain?	No

Closure Criteria (mg/kg)*				
Benzene	BTEX	GRO + DRO	TPH	Chloride
10	50	1,000	2,500	10,000

*Numerical limits or natural background level, whichever is greater

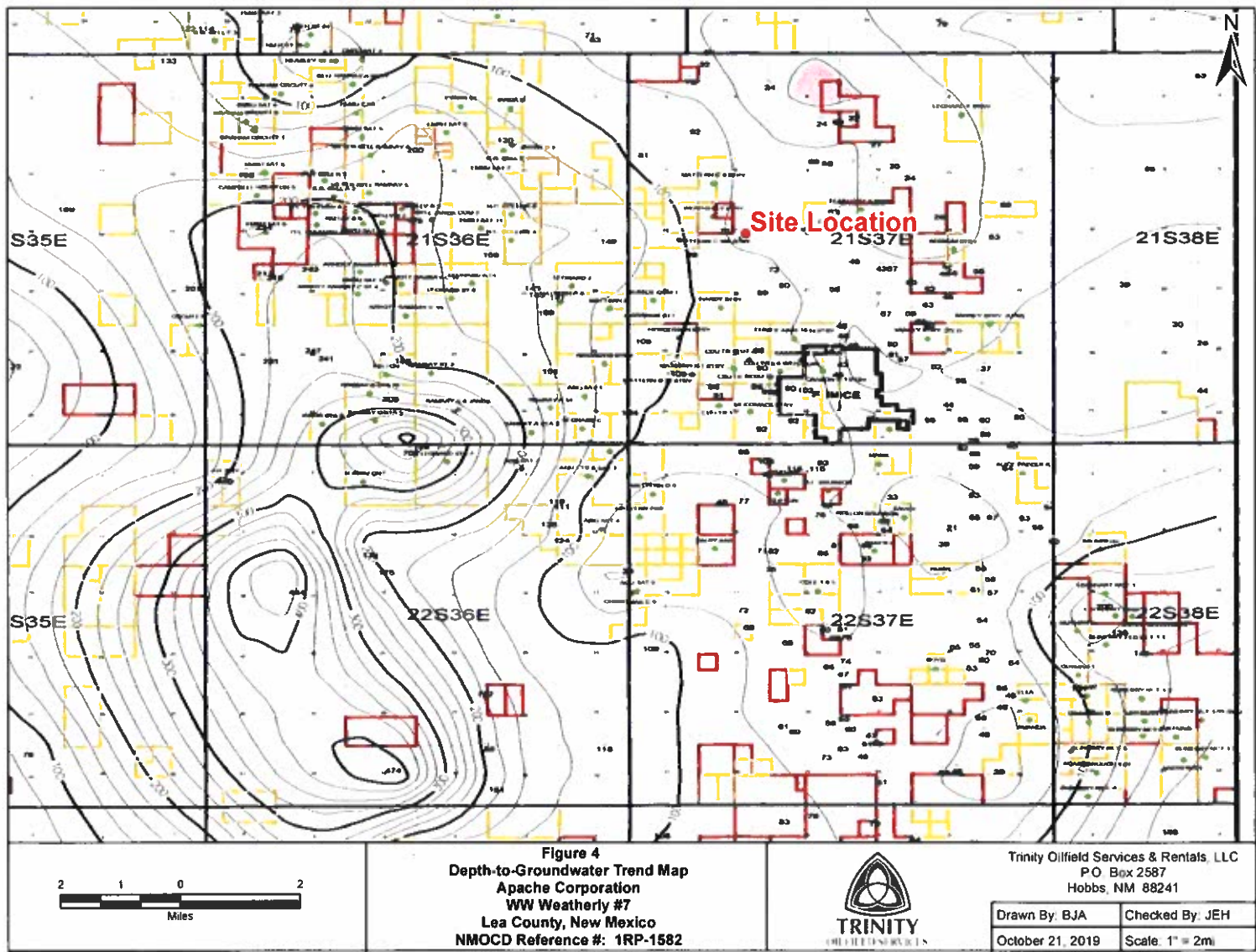
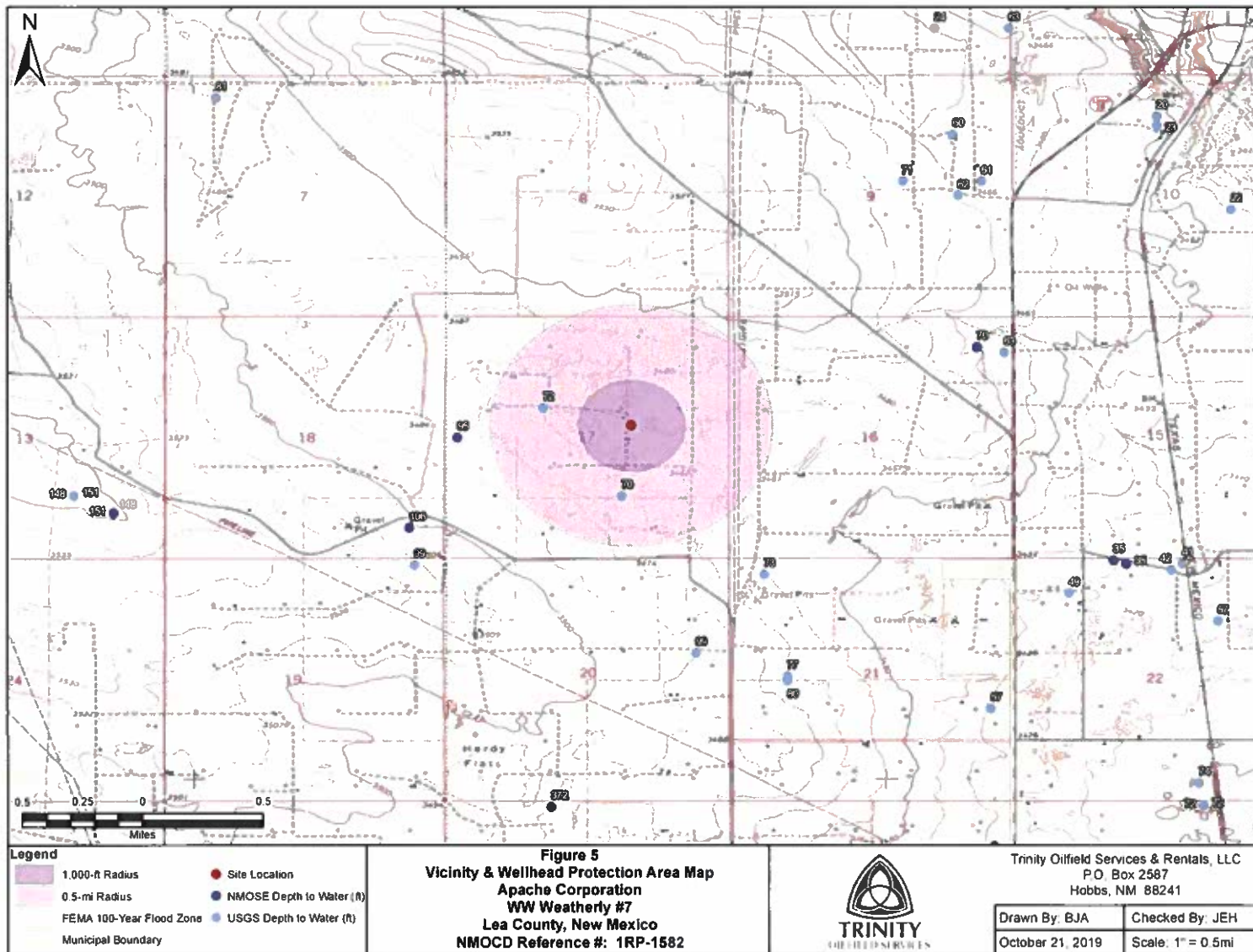


Figure 4
Depth-to-Groundwater Trend Map
Apache Corporation
WW Weatherly #7
Lea County, New Mexico
NMOCD Reference #: 1RP-1582



Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: BJA	Checked By: JEH
October 21, 2019	Scale: 1" = 2mi





New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 670795.95

Northing (Y): 3595055.17

Radius: 804.67
(0.5 miles)

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.

10/21/19 5:20 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01026 POD1	CP	LE		1	1	3	17	21S	37E	669809	3594958	991	167	95	72
CP 00447 POD1	CP	LE		2	4	4	18	21S	37E	669647	3594451*	1298	95		
CP 00448 POD1	CP	LE		2	4	4	18	21S	37E	669647	3594451*	1298	100		
CP 00895	CP	LE		1	1	20	21S	37E	669957	3593956*	1382	163			
CP 00676	CP	LE		4	4	18	21S	37E	669548	3594352*	1432	140	106	34	

Average Depth to Water: **100 feet**

Minimum Depth: **95 feet**

Maximum Depth: **106 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 670795.95

Northing (Y): 3595055.17

Radius: 1610
(1 miles)

*UTM location was derived from PLSS - see Help

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.

10/21/19 5:21 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Appendix D

Laboratory Analytical Reports



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

August 26, 2019

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WW WEATHERLY BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/21/19 16:30.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 1 @ SURFACE 32.480073 (H902884-01)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	ND	416	104	400	3.77	

Sample ID: SP - 1 @ 1-103.183023 (H902884-02)

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2019	ND	1.75	87.5	2.00	4.34	
Toluene*	<0.050	0.050	08/22/2019	ND	1.90	95.2	2.00	4.49	
Ethylbenzene*	<0.050	0.050	08/22/2019	ND	2.04	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	08/22/2019	ND	6.06	101	6.00	3.68	
Total BTX	<0.300	0.300	08/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 90.2 % 73.3-129

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	191	95.4	200	0.661	
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	208	104	200	0.658	
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 86.0 % 41-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 1 @ 1 -103.183023 (H902884-02)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Surrogate: 1-Chlorooctadecane	89.5 %	37.6-147							

Sample ID: SP - 1 @ 2 (H902884-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/26/2019	ND	416	104	400	3.77		

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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 1 @ 3 (H902884-04)

BTEX 8021B			mg/kg							Analyzed By: ms
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/22/2019	ND	1.75	87.5	2.00	4.34		
Toluene*	<0.050	0.050	08/22/2019	ND	1.90	95.2	2.00	4.49		
Ethylbenzene*	<0.050	0.050	08/22/2019	ND	2.04	102	2.00	3.53		
Total Xylenes*	<0.150	0.150	08/22/2019	ND	6.06	101	6.00	3.68		
Total BTEX	<0.300	0.300	08/22/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 90.7 % 73.3-129

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/26/2019	ND	416	104	400	3.77		

TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	191	95.4	200	0.661		
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	208	104	200	0.658		
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND						

Surrogate: 1-Chlorooctane 58.6 % 41-142

Surrogate: 1-Chlorooctadecane 58.6 % 37.6-147

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 1 @ 4 (H902884-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2019	ND	416	104	400	3.77	

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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 1 @ 5 (H902884-06)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2019	ND	1.75	87.5	2.00	4.34	
Toluene*	<0.050	0.050	08/22/2019	ND	1.90	95.2	2.00	4.49	
Ethylbenzene*	<0.050	0.050	08/22/2019	ND	2.04	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	08/22/2019	ND	6.06	101	6.00	3.68	
Total BTEX	<0.300	0.300	08/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 89.9 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/26/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	191	95.4	200	0.661	
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	208	104	200	0.658	
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 86.3 % 41-142

Surrogate: 1-Chlorooctadecane 90.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 2 @ SURFACE 32.4801996 (H902884-07)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	ND	416	104	400	3.77	

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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: 08/21/2019
 Reported: 08/26/2019
 Project Name: WW WEATHERLY BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 08/21/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP - 2 @ 1 -103.183051 (H902884-08)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2019	ND	1.75	87.5	2.00	4.34	
Toluene*	<0.050	0.050	08/22/2019	ND	1.90	95.2	2.00	4.49	
Ethylbenzene*	<0.050	0.050	08/22/2019	ND	2.04	102	2.00	3.53	
Total Xylenes*	<0.150	0.150	08/22/2019	ND	6.06	101	6.00	3.68	
Total BTEX	<0.300	0.300	08/22/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 90.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/26/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	212	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/22/2019	ND	215	108	200	4.61	
EXT DRO >C28-C36	<10.0	10.0	08/22/2019	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 2 @ 2 (H902884-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 2 @ 3 (H902884-10)

BTEX 80218		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2019	ND	1.77	88.5	2.00	6.43	
Toluene*	<0.050	0.050	08/23/2019	ND	1.92	95.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	2.05	103	2.00	4.68	
Total Xylenes*	<0.150	0.150	08/23/2019	ND	6.10	102	6.00	4.65	
Total BTEX	<0.300	0.300	08/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 91.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	197	98.3	200	4.83	
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	194	96.8	200	5.00	
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 2 @ 4 (H902884-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/26/2019	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 2 @ 5 (H902884-12)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2019	ND	1.77	88.5	2.00	6.43	
Toluene*	<0.050	0.050	08/23/2019	ND	1.92	95.9	2.00	5.38	
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	2.05	103	2.00	4.68	
Total Xylenes*	<0.150	0.150	08/23/2019	ND	6.10	102	6.00	4.65	
Total BTEX	<0.300	0.300	08/23/2019	ND					

Surrogate 4-Bromofluorobenzene (PIC) 91.0 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/26/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	212	106	200	3.55	
DRO >C10-C28*	<10.0	10.0	08/22/2019	ND	215	108	200	4.61	
EXT DRO >C28-C36	<10.0	10.0	08/22/2019	ND					

Surrogate 1-Chlorooctane 100 % 41-142

Surrogate 1-Chlorooctadecane 108 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 3 @ SURFACE 32.480082 (H902884-13)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	ND	416	104	400	3.77	

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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 3 @ 1 -103.182824 (H902884-14)

BTEX 8021B			mg/kg							Analyzed By: ms
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2019	ND	1.77	88.5	2.00	6.43		
Toluene*	<0.050	0.050	08/23/2019	ND	1.92	95.9	2.00	5.38		
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	2.05	103	2.00	4.68		
Total Xylenes*	<0.150	0.150	08/23/2019	ND	6.10	102	6.00	4.65		
Total BTEX	<0.300	0.300	08/23/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 92.4 % 73.3-129

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/26/2019	ND	416	104	400	3.77		

TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	212	106	200	3.55		
DRO >C10-C28*	<10.0	10.0	08/22/2019	ND	215	108	200	4.61		
EXT DRO >C28-C36	<10.0	10.0	08/22/2019	ND						

Surrogate: 1-Chlorooctane 97.8 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 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: 08/21/2019
 Reported: 08/26/2019
 Project Name: WW WEATHERLY BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 08/21/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP - 3 @ 2 (H902884-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2019	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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 3 @ 3 (H902884-16)

BTEX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2019	ND	1.77	88.5	2.00	6.43		
Toluene*	<0.050	0.050	08/23/2019	ND	1.92	95.9	2.00	5.38		
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	2.05	103	2.00	4.68		
Total Xylenes*	<0.150	0.150	08/23/2019	ND	6.10	102	6.00	4.65		
Total BTEX	<0.300	0.300	08/23/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 89.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/26/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	196	98.1	200	4.36	
DRO >C10-C28*	45.6	10.0	08/23/2019	ND	192	96.0	200	4.23	
EXT DRO >C28-C36	78.4	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 3 @ 4 (H902884-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/26/2019	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: 08/21/2019
 Reported: 08/26/2019
 Project Name: WW WEATHERLY BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 08/21/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP - 3 @ 5 (H902884-18)

BTEx 80218			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2019	ND	1.77	88.5	2.00	6.43		
Toluene*	<0.050	0.050	08/23/2019	ND	1.92	95.9	2.00	5.38		
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	2.05	103	2.00	4.68		
Total Xylenes*	<0.150	0.150	08/23/2019	ND	6.10	102	6.00	4.65		
Total BTEx	<0.300	0.300	08/23/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 91.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/26/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	196	98.1	200	4.36	
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	192	96.0	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 123 % 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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 4 @ SURFACE 32.48007 (H902884-19)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 4 @ 1 -103.183214 (H902884-20)

BTEx 80218		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2019	ND	1.69	84.6	2.00	7.56	
Toluene*	<0.050	0.050	08/23/2019	ND	1.83	91.3	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	1.94	97.0	2.00	8.57	
Total Xylenes*	<0.150	0.150	08/23/2019	ND	5.84	97.4	6.00	8.47	
Total BTEX	<0.300	0.300	08/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 89.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	196	98.1	200	4.36	
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	192	96.0	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 4 @ 2 (H902884-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/26/2019	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: 08/21/2019
 Reported: 08/26/2019
 Project Name: WW WEATHERLY BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 08/21/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP - 4 @ 3 (H902884-22)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2019	ND	1.69	84.6	2.00	7.56	
Toluene*	<0.050	0.050	08/23/2019	ND	1.83	91.3	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	1.94	97.0	2.00	8.57	
Total Xylenes*	<0.150	0.150	08/23/2019	ND	5.84	97.4	6.00	8.47	
Total BTEX	<0.300	0.300	08/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 90.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/26/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	196	98.1	200	4.36	
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	192	96.0	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 116 % 37.6-147

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

Analytical Results For:

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

Received:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 4 @ 4 (H902884-23)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/26/2019	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 4 @ 5 (H902884-24)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2019	ND	1.69	84.6	2.00	7.56	
Toluene*	<0.050	0.050	08/23/2019	ND	1.83	91.3	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	1.94	97.0	2.00	8.57	
Total Xylenes*	<0.150	0.150	08/23/2019	ND	5.84	97.4	6.00	8.47	
Total BTEX	<0.300	0.300	08/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 90.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/26/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	196	98.1	200	4.36	
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	192	96.0	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 116 % 37.6-147

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

Analytical Results For:

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

Received:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 5 @ SURFACE 32.48007 (H902884-25)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 5 @ 1 -103.183214 (H902884-26)

BTEX 80218		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2019	ND	1.69	84.6	2.00	7.56	
Toluene*	<0.050	0.050	08/23/2019	ND	1.83	91.3	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	1.94	97.0	2.00	8.57	
Total Xylenes*	<0.150	0.150	08/23/2019	ND	5.84	97.4	6.00	8.47	
Total BTEX	<0.300	0.300	08/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 91.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/26/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	196	98.1	200	4.36	
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	192	96.0	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 5 @ 2 (H902884-27)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 5 @ 3 (H902884-28)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2019	ND	1.69	84.6	2.00	7.56	
Toluene*	<0.050	0.050	08/23/2019	ND	1.83	91.3	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	1.94	97.0	2.00	8.57	
Total Xylenes*	<0.150	0.150	08/23/2019	ND	5.84	97.4	6.00	8.47	
Total BTEX	<0.300	0.300	08/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 92.9 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	196	98.1	200	4.36	
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	192	96.0	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 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: 08/21/2019
 Reported: 08/26/2019
 Project Name: WW WEATHERLY BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 08/21/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP - 5 @ 4 (H902884-29)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/26/2019	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:	08/21/2019	Sampling Date:	08/21/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WW WEATHERLY BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP - 5 @ 5 (H902884-30)

BTEX 8021B		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2019	ND	1.69	84.6	2.00	7.56	
Toluene*	<0.050	0.050	08/23/2019	ND	1.83	91.3	2.00	8.61	
Ethylbenzene*	<0.050	0.050	08/23/2019	ND	1.94	97.0	2.00	8.57	
Total Xylenes*	<0.150	0.150	08/23/2019	ND	5.84	97.4	6.00	8.47	
Total BTEX	<0.300	0.300	08/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 93.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/26/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2019	ND	196	98.1	200	4.36	
DRO >C10-C28*	<10.0	10.0	08/23/2019	ND	192	96.0	200	4.23	
EXT DRO >C28-C36	<10.0	10.0	08/23/2019	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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C. D. Keene

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Apache Corporation</u>				BILL TO				ANALYSIS REQUEST													
Project Manager: <u>Bruce Baker</u>				P.O. #:																	
Address:				Company:																	
City:		State:		Zip:		Attn:															
Phone #:		Fax #:		Address:		City:															
Project #:		Project Owner:		State:		Zip:															
Project Name: <u>WW Weatherly Battery</u>				Phone #:																	
Project Location: <u>WW Weatherly Battery</u>																					
Sampler Name: <u>Donel Rasier</u>																					
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		MATRIX		PRESERV.		SAMPLING													
H902854																					
1 SP-1 Surface 32.480073								8/21/19													
2 SP-1 @ 1 -103.183023																					
3 SP-1 @ 2																					
4 SP-1 @ 3																					
5 SP-1 @ 4																					
6 SP-1 @ 5																					
7 SP-2 Surface 32.480199p																					
8 SP-2 @ 1 -103.183051																					
9 SP-2 @ 2																					
10 SP-2 @ 3								8/21/19													

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Relinquished By: <u>[Signature]</u>		Date: <u>8/21/19</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: <u>[Signature]</u>		Time: <u>10:30</u>		Received By: <u>[Signature]</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Delivered By: (Circle One) <u>5.1p</u>		Time: <u>5:52</u>		Sample Condition: <u>#97</u>		CHECKED BY: <u>[Signature]</u>	
Sampler - UPS - Bus - Other: <u>5.1p</u>		Cool / Intact: <u>Yes</u>		No: <u>No</u>		REMARKS: <u>Email to Bruce and Jeff</u>	

Page 33 of 34



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Apache corporation</u>				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Bruce Baker</u>				P.O. #:																			
Address:				Company:																			
City:		State:		Zip:		Attn:																	
Phone #:		Fax #:		Address:		City:																	
Project #:		Project Owner:		State:		Zip:																	
Project Name: <u>WW Weatherly Battery</u>				Phone #:																			
Project Location: <u>WW Weatherly Battery</u>																							
Sampler Name: <u>Donel Rasler</u>																							
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING															
Lab I.D.	Sample I.D.	GRAB OR C/COMP	% CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	SC	EXT. TPH	BTEX						
<u>H902984</u>																							
	<u>11 SP-2@4</u>												<u>8/21/19</u>										
	<u>12 SP-2@5</u>																						
	<u>13 SP-3 surface 32-480082</u>																						
	<u>14 SP-3 @ 1-103 182824</u>																						
	<u>15 SP-3@2</u>																						
	<u>16 SP-3@3</u>																						
	<u>17 SP-3@4</u>																						
	<u>18 SP-3@5</u>																						
	<u>19 SP-4 surface 32-48007</u>																						
	<u>20 SP-4 @ 1-103 183214</u>												<u>8/21/19</u>										

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Relinquished By: <u>[Signature]</u>	Date: <u>8/21/19</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: <u>Email to Bruce and Jeff</u>	
Delivered By: (Circle One) <u>7.4 corrected</u>	Sample Condition: <u>Cool</u> <input type="checkbox"/> Intact <input type="checkbox"/>	CHECKED BY: <u>[Signature]</u>		
Sampler - UPS - Bus - Other: <u>5.1P 5.5P #97</u>	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>			

Company Name: Apache Corporation				BILL TO				ANALYSIS REQUEST			
Project Manager: Bruce Baker				P.O. #:							
Address:				Company:							
City:		State:		Zip:		Attn:					
Phone #:		Fax #:		Address:							
Project #:		Project Owner:		City:							
Project Name: W.W. Weatherly Battery				State: Zip:							
Project Location: W.W. Weatherly Battery				Phone #:							
Sampler Name: Daniel Rayer				Fax #:							

FOR LAB USE ONLY		GRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING	DATE	TIME	CL	EXT-TPH	BTEx	
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL						OTHER:
H902844																
21	SP-4@2												8/21/14			
22	SP-4@3															
23	SP-4@4															
24	SP-4@5															
25	SP-5 surface 32-48007															
26	SP-5@1 - 103-183214															
27	SP-5@2															
28	SP-5@3															
29	SP-5@4															
30	SP-5@5												8/21/14			

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Relinquished By: <i>[Signature]</i>		Date: 8/21/14	Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>		Date: 8/20/14	Received By: <i>[Signature]</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Time: 5:12		Time: 5:50		REMARKS: Email to Bruce and Jeff		

Delivered By: (Circle One) 5.12	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other: 5.50 #97	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	<i>[Signature]</i>
	Yes <input type="checkbox"/> No <input type="checkbox"/>	

District I

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

District II

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

District III

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

District IV

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

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

CONDITIONS

Action 2008

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 2008
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	7/7/2021