



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

April 27, 2021

Re: Mae F Curry #3
Case # nAPP2102851174

Background:

On 1/27/2021 a release occurred due to a stuffing box packing failure. The release (GPS: 32.49889, -103.20824) is located north of Eunice, New Mexico in unit letter D section 7 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE and USGS. The nearest well located east was measured from the east edge of the pad with a hand held measuring wheel in the field is located 572 feet. That well suggest groundwater is 81 feet below the release.

On 3/2/2021 a vertical (SP1) was conducted utilizing a backhoe with samples collected in one foot intervals to a depth of 1 foot. All samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. The release area was excavated to a depth of 3 inches. On 4/9/2021 final 5 point bottom and wall composite samples were collected not to exceed 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory TPH results were above table one standards for release 51- 100 feet to ground water at B3 and reclamation standards at B26 and B27. Those samples points were excavated to a depth 1 foot 3 inches. W2 and W3 were further excavated horizontally. On 4/16/2021 final 5 point composite samples were collected at those points and two additional wall samples were collected. All samples collected were submitted to a commercial laboratory. Laboratory results were below table one standards for table one standards for releases 51-100 feet. All excavated material (108 yards) was hauled to an OCD approved facility. The lease pad was backfilled with clean imported caliche and the pasture area was backfilled with clean imported topsoil.

Apache Corporation has completed remediation to below table one standards and respectfully request that event nAPP2102851174 be closed.

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

Submitted by;

Bruce Baker

Environmental Technician
larry.baker@apachecorp.com
Cell# 432-631-6982

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Apache Corporation	OGRID 873
Contact Name Larry Baker	Contact Telephone 432-631-6982
Contact email larry.baker@apachecorp.com	Incident # (assigned by OCD)
Contact mailing address 303 Veterans Airpark Lane Midland TX 79705	

Location of Release Source

Latitude 32.49889 Longitude -103.20824
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mae F Curry	Site Type oil well
Date Release Discovered 1/27/2021	API# (if applicable) 30-025-35853

Unit Letter	Section	Township	Range	County
D	7	21S	37E	Lea

Surface Owner: State Federal Tribal Private (Name: McCasland Limited Partnership)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 17 barrels	Volume Recovered (bbls) 5 barrels
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 15 barrels	Volume Recovered (bbls) 5 barrels
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release **Stuffing box packing failure.**

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Jeff Broom notified Jim Griswold via email on 1/27/2021.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Larry Baker</u>	Title: <u>Environmental Tech SR.</u>
Signature: <u><i>Larry Baker</i></u>	Date: <u>3/17/18</u>
email: <u>larry.baker@apachecorp.com</u>	Telephone: <u>432-631-6982</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Volume Calculation

362.43 cubic feet of soil contamination X 7.48 gallons per cubic foot = 2,711.03 gallons/42 gallons to a barrel= 64.54 barrels X .33 soil porosity= 21.30+ 10 recovered =31.30 barrels.

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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?	81 (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 checked="" type="checkbox"/> Yes <input 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 1/2-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.

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

Printed Name: Larry Baker Title: Environmental Tech SR.

Signature: *Larry Baker* Date: 4/27/2021

email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

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Closure

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: Larry Baker Date: 4/27/2021
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Chad Hensley Date: 06/23/2021

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

Closure Approved by: Chad Hensley Date: 06/23/2021
 Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Available data for this site Groundwater: Field measurements

Lea County, New Mexico
 Hydrologic Unit Code 13070007
 Latitude 32°29'57", Longitude 103°12'25" NAD27
 Land-surface elevation 3,492.10 feet above NGVD29
 The depth of the well is 91 feet below land surface.
 This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

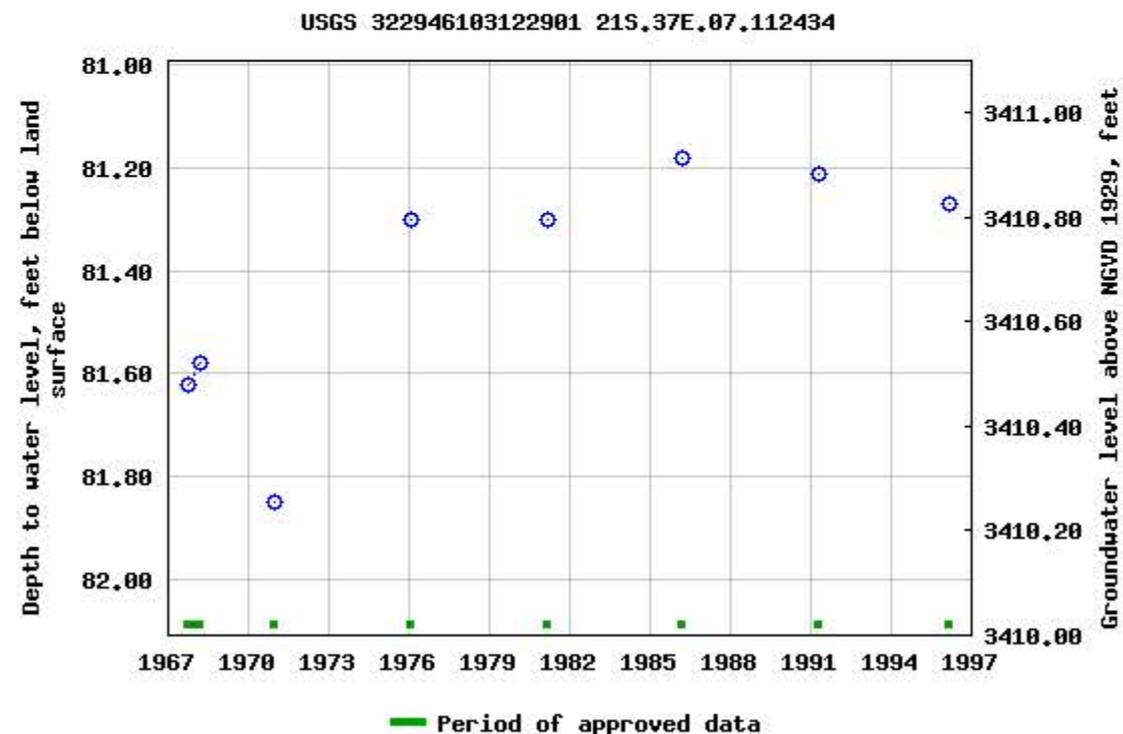
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

Released to Imaging: 6/23/2021 7:57:08 AM

Coordinates

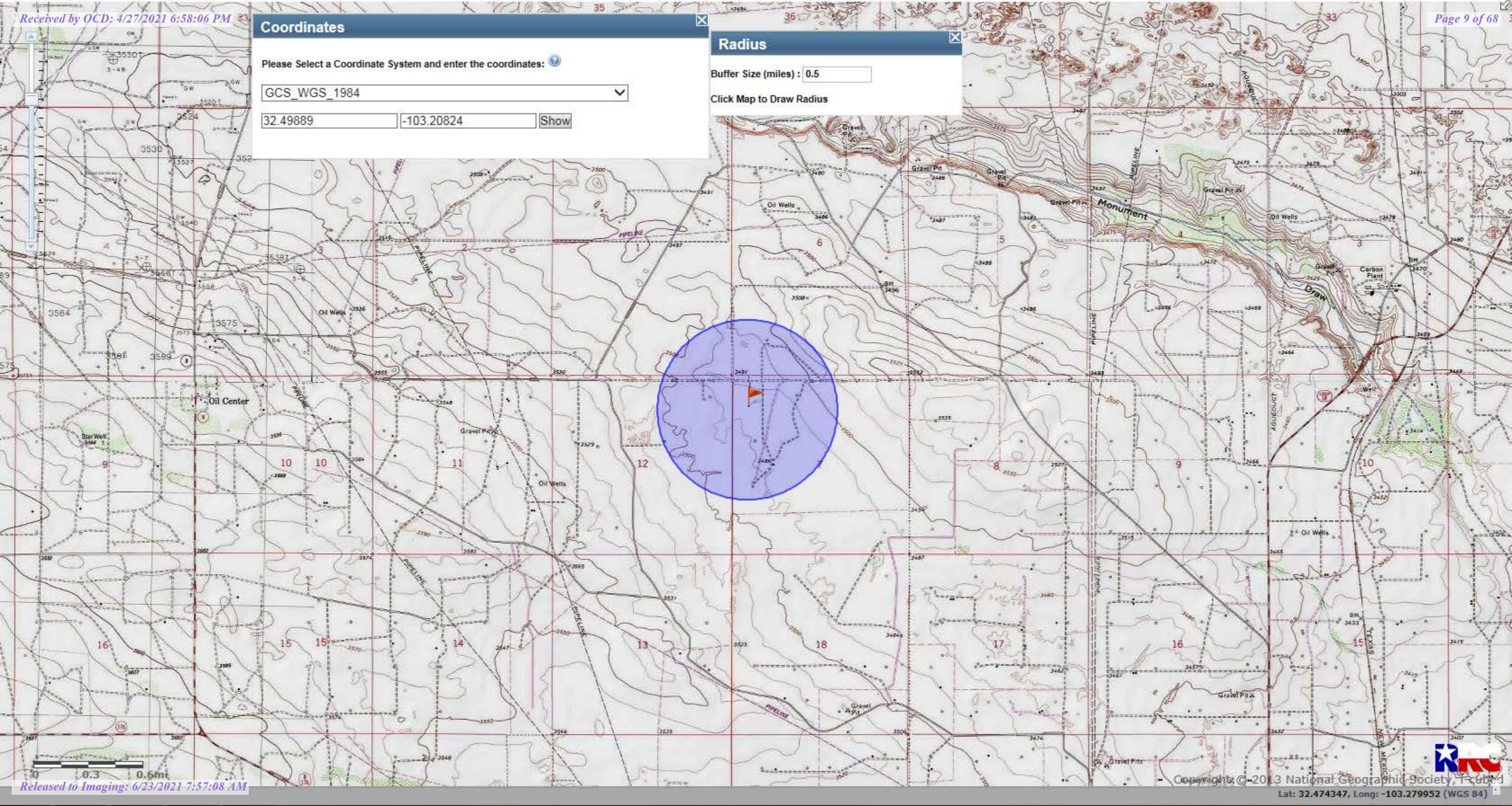
Please Select a Coordinate System and enter the coordinates: 

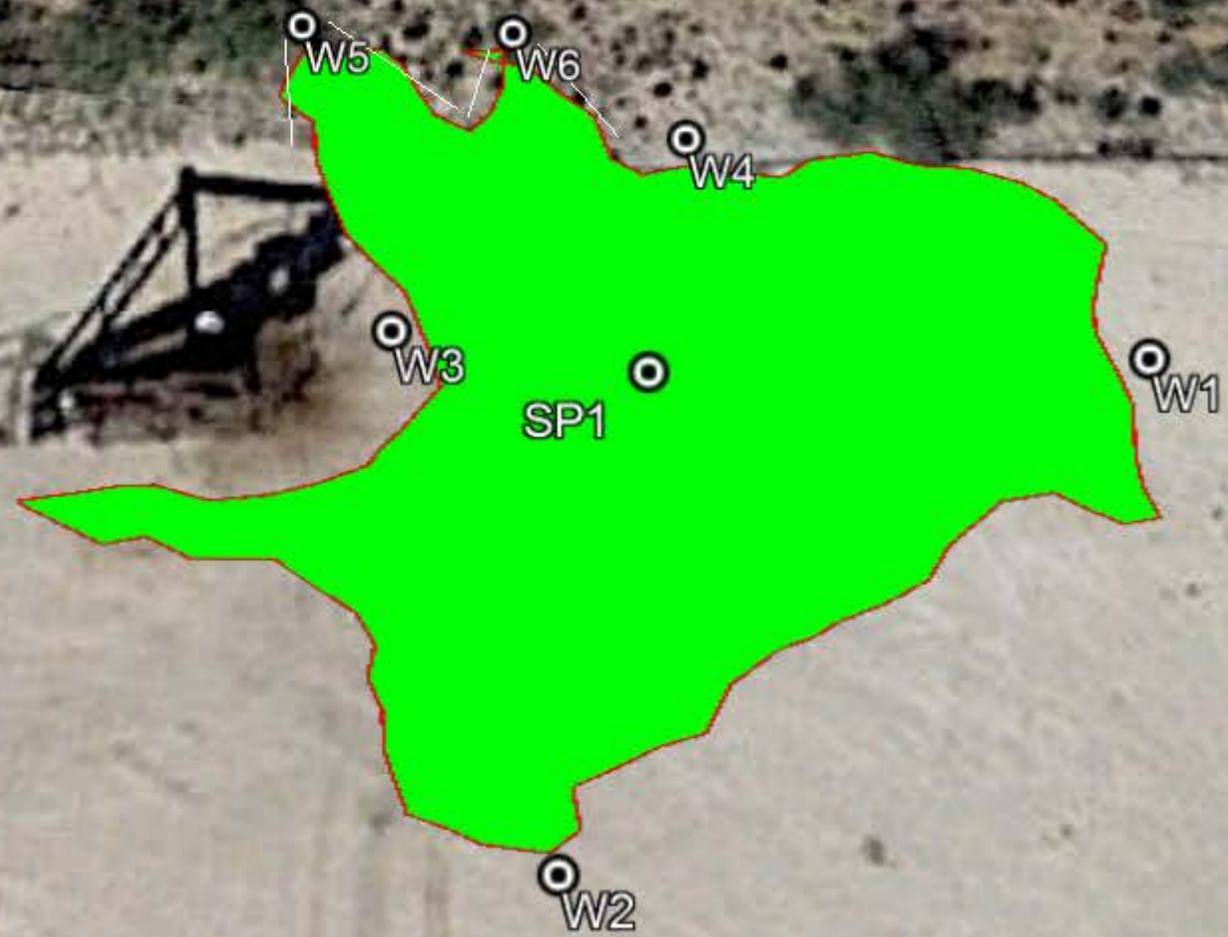
GCS_WGS_1984 

Radius

Buffer Size (miles) :

[Click Map to Draw Radius](#)

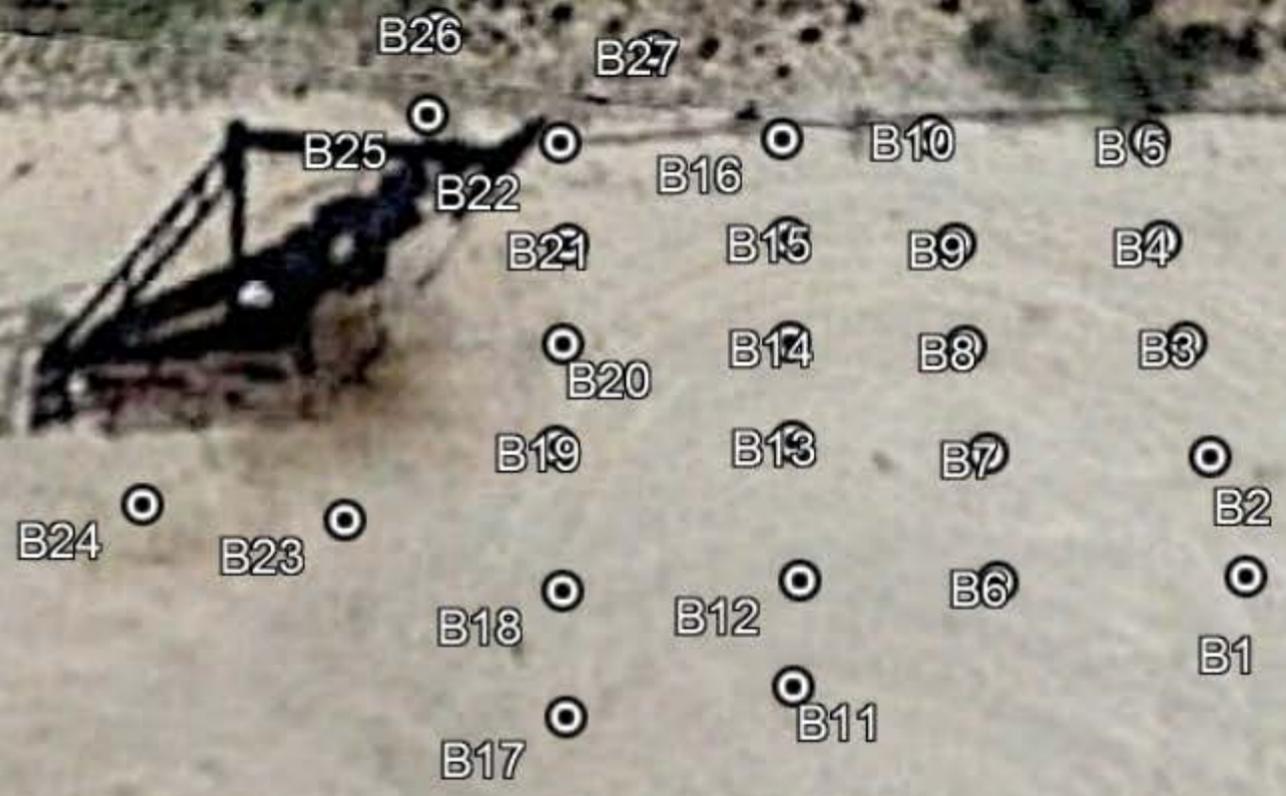




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Delineation Samples

Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
3/2/2021	SP1 @ Surface	S	4,400	<0.500	19.2	49	74.8	143	1,570	23,300	3,940	32.498908 -103.208236
3/2/2021	SP1 @ 1'	1'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.7	<10.0	

Final Bottom Samples

Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
4/9/2021	B1	3"	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.6	<10.0	32.4988508, -103.2081199
4/9/2021	B2	3"	224	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	258	21.9	32.4988782, -103.2081259
4/9/2021	B3	3"	624	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1680	206	32.49889138, -103.2081051
4/16/2021	B3	1' 3"							<10.0	<10.0	<10.0	
4/9/2021	B4	3"	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	126	12.2	32.49889509, -103.2081132
4/9/2021	B5	3"	224	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	137	23.3	32.4989729, -103.2081309
4/9/2021	B6	3"	560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	231	29.2	32.4988477, -103.2081839
4/9/2021	B7	3"	432	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	153	20.3	32.4988926, -103.2081889
4/9/2021	B8	3"	384	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	102	<10.0	32.4989121, -103.2081819
4/9/2021	B9	3"	432	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	99.2	<10.0	32.4989489, -103.2081886
4/9/2021	B10	3"	416	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	101	<10.0	32.4989735, -103.2081785
4/9/2021	B11	3"	512	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	99.1	13.7	32.4988120, -103.2082798
4/9/2021	B12	3"	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	104	15.8	32.4988618, -103.2082463

4/9/2021	B13	3"	544	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	241	34.5	32.4988864 -103.2082557
4/9/2021	B14	3"	736	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	129	20.8	32.4989161 -103.2082557
4/9/2021	B15	3"	544	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	70.9	12.9	32.4989424 -103.2082657
4/9/2021	B16	3"	656	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36	<10.0	32.4989650 -103.2082667
4/9/2021	B17	3"	960	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	744	224	32.4988327 -103.2083170
4/9/2021	B18	3"	720	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	142	48.4	32.4988598 -103.2083090
4/9/2021	B19	3"	496	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	320	100	32.4988881 -103.2083224
4/9/2021	B20	3"	464	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	123	27.3	32.4989099 -103.2083153
4/9/2021	B21	3"	464	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	129	23.6	32.4989367 -103.2083160
4/9/2021	B22	3"	1330	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	71.1	<10.0	32.4989769 -103.2083247
4/9/2021	B23	3"	4240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	43.2	<10.0	32.498658 -103.2083629
4/9/2021	B24	3"	3760	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	138	50	32.4988762 -103.2084132
4/9/2021	B25	3"	3440	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	59.1	12	32.4989574 -103.2083733
4/9/2021	B26	3"	64	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	354	40.9	32.4990134 -103.2083469
4/16/2021	B26	1'3"							<10.0	<10.0	<10.0	
4/9/2021	B27	3"	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	305	32.1	32.4990157 -103.2082593
4/16/2021	B27	1'3"							<10.0	<10.0	<10.0	

Final Wall Samples

Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
4/9/2021	W1		416	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	91	<10.0	32.4989164 -103.2081004
4/9/2021	W2		432	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	143	20.6	
4/16/2021	W2								<10.0	49.5	<10.0	32.4988465 -103.2082101
4/9/2021	W3		3680	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	117	38.3	
4/16/2021	W3											32.4990592 -103.2083304
4/9/2021	W4		576	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	91	<10.0	32.4990592 -103.2082785
4/16/2021	W5		32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4990365 -103.2082563
4/16/2021	W6		<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4990340 -103.2083170



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

March 04, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: MAE F. CURRY

Enclosed are the results of analyses for samples received by the laboratory on 03/02/21 15:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	03/02/2021	Sampling Date:	03/02/2021
Reported:	03/04/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H210501-01)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/03/2021	ND	2.23	112	2.00	0.770	
Toluene*	19.2	0.500	03/03/2021	ND	2.26	113	2.00	1.03	
Ethylbenzene*	49.0	0.500	03/03/2021	ND	2.18	109	2.00	1.12	
Total Xylenes*	74.8	1.50	03/03/2021	ND	6.33	106	6.00	0.986	
Total BTEX	143	3.00	03/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	03/03/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1570	100	03/03/2021	ND	211	106	200	3.47	
DRO >C10-C28*	23300	100	03/03/2021	ND	203	102	200	1.36	
EXT DRO >C28-C36	3940	100	03/03/2021	ND					

Surrogate: 1-Chlorooctane 595 % 44.3-144

Surrogate: 1-Chlorooctadecane 1040 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/02/2021	Sampling Date:	03/02/2021
Reported:	03/04/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H210501-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2021	ND	2.23	112	2.00	0.770	
Toluene*	<0.050	0.050	03/03/2021	ND	2.26	113	2.00	1.03	
Ethylbenzene*	<0.050	0.050	03/03/2021	ND	2.18	109	2.00	1.12	
Total Xylenes*	<0.150	0.150	03/03/2021	ND	6.33	106	6.00	0.986	
Total BTEX	<0.300	0.300	03/03/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/03/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2021	ND	211	106	200	3.47	
DRO >C10-C28*	47.7	10.0	03/03/2021	ND	203	102	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	03/03/2021	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.7 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache Corporation</u> Project Manager: <u>Rene Baker</u>		P.O. #: Company:	
Address: City: State: Zip:		Attn: Address: City: State: Zip:	
Phone #: Fax #: Project Owner:		City: State: Zip: Phone #: Fax #:	
Project Name: <u>Mae F. Curry</u> Project Location: <u>Mae F. Curry</u>		State: Zip: Phone #: Fax #:	
Sampler Name: <u>Jeff Brown</u>		FOR LAB USE ONLY	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	MATRIX PRESERV. ACID/BASE: ICE / COOL OTHER:
<u>HARDSDI</u> 1 SP10 Surface 2 SP10 1.	6 6	DATE 3/29/21 3/29/21	TIME 1023 1025
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <u>3.42</u> Corrected Temp. °C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Relinquished By: <u>Jeff Brown</u> Date: <u>3/29/21</u> Time: <u>1319</u>		Received By: <u>Janessa Eldridge</u> Date: _____ Time: _____	
Turnaround Time:		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:		All Results are emailed. Please provide Email address:	
REMARKS:			
CL- BTEX EXT. TPH			



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

April 14, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: MAE F. CURRY

Enclosed are the results of analyses for samples received by the laboratory on 04/09/21 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 1 @ 3" (H210907-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	23.6	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.8 % 42.2-156

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 2 @ 3" (H210907-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	224	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	258	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	21.9	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 3 @ 3" (H210907-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	624	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	1680	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	206	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 68.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 140 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 4 @ 3" (H210907-04)

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	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	240	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	126	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	12.2	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 5 @ 3" (H210907-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	224	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	137	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	23.3	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 6 @ 3" (H210907-06)

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	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	560	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	231	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	29.2	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 7 @ 3" (H210907-07)

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	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	432	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	153	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	20.3	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.6 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 8 @ 3" (H210907-08)

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	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	384	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	102	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 9 @ 3" (H210907-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	432	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	99.2	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 69.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 10 @ 3" (H210907-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	416	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	101	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 11 @ 3" (H210907-11)

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	04/13/2021	ND	2.35	118	2.00	4.48		
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68		
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17		
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94		
Total BTEX	<0.300	0.300	04/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	512	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18		
DRO >C10-C28*	99.1	10.0	04/12/2021	ND	183	91.4	200	1.15		
EXT DRO >C28-C36	13.7	10.0	04/12/2021	ND						

Surrogate: 1-Chlorooctane 84.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 12 @ 3" (H210907-12)

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	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	480	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	104	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	15.8	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 13 @ 3" (H210907-13)

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	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	544	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	241	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	34.5	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 14 @ 3" (H210907-14)

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	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	736	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	174	86.8	200	3.18	
DRO >C10-C28*	129	10.0	04/12/2021	ND	183	91.4	200	1.15	
EXT DRO >C28-C36	20.8	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 15 @ 3" (H210907-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	544	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	70.9	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	12.9	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 16 @ 3" (H210907-16)

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	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	656	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	36.0	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.5 % 42.2-156

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 17 @ 3" (H210907-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	960	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	744	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	224	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 18 @ 3" (H210907-18)

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	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	720	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	142	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	48.4	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 19 @ 3" (H210907-19)

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	04/13/2021	ND	2.35	118	2.00	4.48	
Toluene*	<0.050	0.050	04/13/2021	ND	2.21	110	2.00	4.68	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	4.17	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.57	110	6.00	3.94	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	496	16.0	04/13/2021	ND	416	104	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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	320	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	100	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 20 @ 3" (H210907-20)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/12/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/12/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	<0.150	0.150	04/12/2021	ND	6.62	110	6.00	0.145	
Total BTEX	<0.300	0.300	04/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	464	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	123	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	27.4	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 21 @ 3" (H210907-21)

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	04/12/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/12/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/12/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	<0.150	0.150	04/12/2021	ND	6.62	110	6.00	0.145	
Total BTEX	<0.300	0.300	04/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	464	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	129	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	23.6	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 22 @ 3" (H210907-22)

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	04/12/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/12/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/12/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	<0.150	0.150	04/12/2021	ND	6.62	110	6.00	0.145	
Total BTEX	<0.300	0.300	04/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1330	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	71.1	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 82.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 23 @ 3" (H210907-23)

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	04/12/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/12/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/12/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	<0.150	0.150	04/12/2021	ND	6.62	110	6.00	0.145	
Total BTEX	<0.300	0.300	04/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	4240	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	43.2	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 24 @ 3" (H210907-24)

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	04/12/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/12/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/12/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	<0.150	0.150	04/12/2021	ND	6.62	110	6.00	0.145	
Total BTEX	<0.300	0.300	04/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	3760	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	138	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	50.0	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 25 @ 3" (H210907-25)

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	04/12/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/12/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/12/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	<0.150	0.150	04/12/2021	ND	6.62	110	6.00	0.145	
Total BTEX	<0.300	0.300	04/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	3440	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	59.1	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	12.0	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 26 @ 3" (H210907-26)

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	04/12/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/12/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	0.153	0.050	04/12/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	0.265	0.150	04/12/2021	ND	6.62	110	6.00	0.145	
Total BTEX	0.418	0.300	04/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	64.0	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	354	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	40.9	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 98.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 27 @ 3" (H210907-27)

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	04/12/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/12/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	0.132	0.050	04/12/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	0.241	0.150	04/12/2021	ND	6.62	110	6.00	0.145	
Total BTEX	0.373	0.300	04/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	305	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	32.1	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 1 (H210907-28)

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	04/13/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.62	110	6.00	0.145	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	416	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	91.0	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 2 (H210907-29)

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	04/13/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.62	110	6.00	0.145	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	432	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	143	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	20.6	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 75.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 3 (H210907-30)

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	04/13/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.62	110	6.00	0.145	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	3680	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/12/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	117	10.0	04/12/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	38.3	10.0	04/12/2021	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/09/2021	Sampling Date:	04/09/2021
Reported:	04/14/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 4 (H210907-31)

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	04/13/2021	ND	2.18	109	2.00	0.824	
Toluene*	<0.050	0.050	04/13/2021	ND	2.20	110	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/13/2021	ND	2.15	108	2.00	0.692	
Total Xylenes*	<0.150	0.150	04/13/2021	ND	6.62	110	6.00	0.145	
Total BTEX	<0.300	0.300	04/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	576	16.0	04/13/2021	ND	384	96.0	400	8.00	

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	04/13/2021	ND	198	98.9	200	0.763	
DRO >C10-C28*	38.9	10.0	04/13/2021	ND	204	102	200	0.722	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

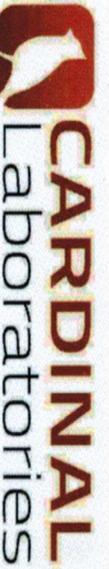
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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: <u>Peche</u>		P.O. #:	
Project Manager: <u>Skrey Room</u>		Company:	
Address:		Attn:	
City: <u>Hobbs</u>		Address:	
State: <u>NM</u> Zip: <u>88240</u>		City:	
Phone #:		State:	
Project #:		Zip:	
Project Name:		Phone #:	
Project Location: <u>MAR E Curve #3</u>		Fax #:	
Sampler Name: <u>Joe Quaschnick</u>		FOR LAB USE ONLY	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>H210907</u>	<u>1A @ 3'</u>	<u>1</u>	<u>1</u>							<u>4/9</u>	<u>10:45</u>	<u>EX-TPH</u> <u>RIEX</u>
	<u>2B2 @ 3'</u>	<u>1</u>	<u>1</u>							<u>4/9</u>	<u>10:47</u>	
	<u>3B3 @ 3'</u>	<u>1</u>	<u>1</u>							<u>4/9</u>	<u>10:49</u>	
	<u>4B4 @ 3'</u>	<u>1</u>	<u>1</u>							<u>4/9</u>	<u>10:51</u>	
	<u>5B5 @ 3'</u>	<u>1</u>	<u>1</u>							<u>4/9</u>	<u>10:52</u>	
	<u>6B6 @ 3'</u>	<u>1</u>	<u>1</u>							<u>4/9</u>	<u>11:10</u>	
	<u>7B7 @ 3'</u>	<u>1</u>	<u>1</u>							<u>4/9</u>	<u>11:12</u>	
	<u>8B8 @ 3'</u>	<u>1</u>	<u>1</u>							<u>4/9</u>	<u>11:14</u>	
	<u>9B9 @ 3'</u>	<u>1</u>	<u>1</u>							<u>4/9</u>	<u>11:16</u>	
	<u>10B10 @ 3'</u>	<u>1</u>	<u>1</u>							<u>4/9</u>	<u>11:18</u>	

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Relinquished By: <u>Joe Quaschnick</u>	Date: <u>4/9</u>	Time: <u>3:45</u>	Received By: <u>Sumera Akhtar</u>	Date: <u>4/9</u>	Time: <u>11:18</u>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____	Observed Temp. °C: <u>1.6</u>	Corrected Temp. °C: _____	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) <u>SA</u>	Turnaround Time: _____	Standard <input checked="" type="checkbox"/> <u>Rush</u>
Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #: _____	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Thermometer ID #13 Correction Factor None	Corrected Temp. °C: _____	Remarks: _____	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Agribus
 Project Manager: Jeffrey Broom
 Address: _____
 City: Hobbs State: NM Zip: 88240
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: _____
 Project Location: MRE Facility #3
 Sampler Name: Joe Casanova
 P.O. #: _____ Company: _____
 Attn: _____ Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	CI	EXT TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<u>H20907</u>	<u>G 311</u>	<u>C</u>	<u>1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4/9</u>	<u>1:10</u>	<u>/</u>	<u>/</u>	<u>/</u>	
<u>12</u>	<u>B1A</u>	<u>C</u>	<u>1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4/9</u>	<u>1:12</u>	<u>/</u>	<u>/</u>	<u>/</u>	
<u>13</u>	<u>B13</u>	<u>C</u>	<u>1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4/9</u>	<u>1:14</u>	<u>/</u>	<u>/</u>	<u>/</u>	
<u>14</u>	<u>B14</u>	<u>C</u>	<u>1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4/9</u>	<u>1:16</u>	<u>/</u>	<u>/</u>	<u>/</u>	
<u>15</u>	<u>B15</u>	<u>C</u>	<u>1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4/9</u>	<u>1:18</u>	<u>/</u>	<u>/</u>	<u>/</u>	
<u>16</u>	<u>B16</u>	<u>C</u>	<u>1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4/9</u>	<u>1:20</u>	<u>/</u>	<u>/</u>	<u>/</u>	
<u>17</u>	<u>B17</u>	<u>C</u>	<u>1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4/9</u>	<u>1:22</u>	<u>/</u>	<u>/</u>	<u>/</u>	
<u>18</u>	<u>B18</u>	<u>C</u>	<u>1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4/9</u>	<u>1:24</u>	<u>/</u>	<u>/</u>	<u>/</u>	
<u>19</u>	<u>B19</u>	<u>C</u>	<u>1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4/9</u>	<u>1:26</u>	<u>/</u>	<u>/</u>	<u>/</u>	
<u>20</u>	<u>B20</u>	<u>C</u>	<u>1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>4/9</u>	<u>2:04</u>	<u>/</u>	<u>/</u>	<u>/</u>	

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Reinquinshed By: _____
 Date: 4/9
 Time: 3:45
 Received By: Jamara Schultz
 Date: _____
 Time: _____

Delivered By: (Circle One) UPS Observed Temp. °C 14
 Corrected Temp. °C _____
 Sample Condition: Cool Intact
 Checked By: (Initials) JS
 Turnaround Time: Standard Rush
 Bacteria (only) Sample Condition: Cool Intact
 Corrected Temp. °C _____

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Produce</u> Project Manager: <u>Jeffrey Broom</u> Address: _____ City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ Project Location: <u>MPS Curry #3</u> Sampler Name: <u>Joe Russek</u> P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		BILL TO		ANALYSIS REQUEST	
Lab I.D. <u>H010907</u> Sample I.D. _____ Date: <u>3/1/21</u>		(G)RAB OR (C)OMI # CONTAINERS <u>1</u> GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____		MATRIX _____ PRESERV _____ SAMPLING _____ DATE <u>4/9</u> TIME <u>2:48</u> / <u>CI</u> / <u>EXT TPH</u> / <u>BTEX</u>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <u>1.6</u> Corrected Temp. °C _____ Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: _____ (Initials) Turnaround Time: _____ Standard <input type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input type="checkbox"/> Observed Temp. °C _____ Corrected Temp. °C _____		Relinquished By: _____ Date: <u>4/9</u> Time: <u>3:45</u> Received By: _____ Date: _____ Time: _____ Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: _____		PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising under this contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	

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

April 19, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: MAE F. CURRY

Enclosed are the results of analyses for samples received by the laboratory on 04/16/21 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	04/16/2021	Sampling Date:	04/16/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: B 3 @ 1' 3" (H210988-01)

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	04/16/2021	ND	188	94.1	200	1.02	
DRO >C10-C28*	<10.0	10.0	04/16/2021	ND	192	95.9	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	04/16/2021	ND					
<i>Surrogate: 1-Chlorooctane</i>		98.8 %	44.3-144						
<i>Surrogate: 1-Chlorooctadecane</i>		104 %	42.2-156						

Sample ID: W 5 BGS 0-1' (H210988-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2021	ND	2.21	111	2.00	5.37	
Toluene*	<0.050	0.050	04/16/2021	ND	2.10	105	2.00	5.83	
Ethylbenzene*	<0.050	0.050	04/16/2021	ND	2.09	104	2.00	5.17	
Total Xylenes*	<0.150	0.150	04/16/2021	ND	6.18	103	6.00	5.30	
Total BTEX	<0.300	0.300	04/16/2021	ND					
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		103 %	73.3-129						

Chloride, SM4500Cl-B

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	04/19/2021	ND	400	100	400	3.92	

TPH 8015M

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/16/2021	Sampling Date:	04/16/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: W 5 BGS 0-1' (H210988-02)

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	04/17/2021	ND	188	94.1	200	1.02	
DRO >C10-C28*	<10.0	10.0	04/17/2021	ND	192	95.9	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	04/17/2021	ND					
Surrogate: 1-Chlorooctane	116 %	44.3-144							
Surrogate: 1-Chlorooctadecane	119 %	42.2-156							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/16/2021	Sampling Date:	04/16/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: W 6 BGS 0-1' (H210988-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2021	ND	2.21	111	2.00	5.37	
Toluene*	<0.050	0.050	04/16/2021	ND	2.10	105	2.00	5.83	
Ethylbenzene*	<0.050	0.050	04/16/2021	ND	2.09	104	2.00	5.17	
Total Xylenes*	<0.150	0.150	04/16/2021	ND	6.18	103	6.00	5.30	
Total BTEX	<0.300	0.300	04/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	04/19/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2021	ND	188	94.1	200	1.02	
DRO >C10-C28*	<10.0	10.0	04/17/2021	ND	192	95.9	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	04/17/2021	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 42.2-156

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/16/2021	Sampling Date:	04/16/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: W 2 BGS 0-3" (H210988-04)

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	04/17/2021	ND	188	94.1	200	1.02	
DRO >C10-C28*	49.4	10.0	04/17/2021	ND	192	95.9	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	04/17/2021	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>98.2 %</i>	<i>44.3-144</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>105 %</i>	<i>42.2-156</i>						

Sample ID: W 3 BGS 0-3" (H210988-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/19/2021	ND	400	100	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2021	ND	188	94.1	200	1.02	
DRO >C10-C28*	36.7	10.0	04/17/2021	ND	192	95.9	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	04/17/2021	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>97.5 %</i>	<i>44.3-144</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>103 %</i>	<i>42.2-156</i>						

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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:	04/16/2021	Sampling Date:	04/16/2021
Reported:	04/19/2021	Sampling Type:	Soil
Project Name:	MAE F. CURRY	Sampling Condition:	Cool & Intact
Project Number:	MAE F. CURRY #3	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: B 26 @ 1' 3" (H210988-06)

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	04/17/2021	ND	188	94.1	200	1.02	
DRO >C10-C28*	<10.0	10.0	04/17/2021	ND	192	95.9	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	04/17/2021	ND					
<hr/>									
Surrogate: 1-Chlorooctane	114 %	44.3-144							
Surrogate: 1-Chlorooctadecane	116 %	42.2-156							

Sample ID: B 27 @ 1' 3" (H210988-07)

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	04/17/2021	ND	188	94.1	200	1.02	
DRO >C10-C28*	<10.0	10.0	04/17/2021	ND	192	95.9	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	04/17/2021	ND					
<hr/>									
Surrogate: 1-Chlorooctane	114 %	44.3-144							
Surrogate: 1-Chlorooctadecane	118 %	42.2-156							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: *Apacine*
 Project Manager: *Jeff Brown*
 Address: _____
 City: *Hobbs* State: *NM* zip: *88240*
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: _____
 Project Location: *Mary F Curry #3*
 Sampler Name: *Donna Scales*

P.O. #: _____ Company: _____
 Attn: _____ Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX							DATE	TIME	C	Ext TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<i>H210988</i>	<i>B3 0' 3"</i>	<input checked="" type="checkbox"/>	<i>1</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>4/16</i>	<i>10:14</i>	<i>1</i>	<i>X</i>	<i>X</i>					
	<i>WS RGS 0'-1'</i>	<input type="checkbox"/>	<i>1</i>	<input type="checkbox"/>	<i>4/16</i>	<i>11:04</i>	<i>1</i>	<i>X</i>	<i>X</i>						
	<i>WS RGS 0'-1'</i>	<input type="checkbox"/>	<i>1</i>	<input type="checkbox"/>	<i>4/16</i>	<i>11:06</i>	<i>1</i>	<i>X</i>	<i>X</i>						
	<i>WS RGS 0-3'</i>	<input type="checkbox"/>	<i>1</i>	<input type="checkbox"/>	<i>4/16</i>	<i>11:30</i>	<i>1</i>	<i>X</i>	<i>X</i>						
	<i>WS RGS 0-3'</i>	<input type="checkbox"/>	<i>1</i>	<input type="checkbox"/>	<i>4/16</i>	<i>11:41</i>	<i>1</i>	<i>X</i>	<i>X</i>						
	<i>BSL 0' 3"</i>	<input type="checkbox"/>	<i>1</i>	<input type="checkbox"/>	<i>4/16</i>	<i>1:40</i>	<i>1</i>	<i>X</i>	<i>X</i>						
	<i>BSL 0' 3"</i>	<input type="checkbox"/>	<i>1</i>	<input type="checkbox"/>	<i>4/16</i>	<i>1:42</i>	<i>1</i>	<i>X</i>	<i>X</i>						

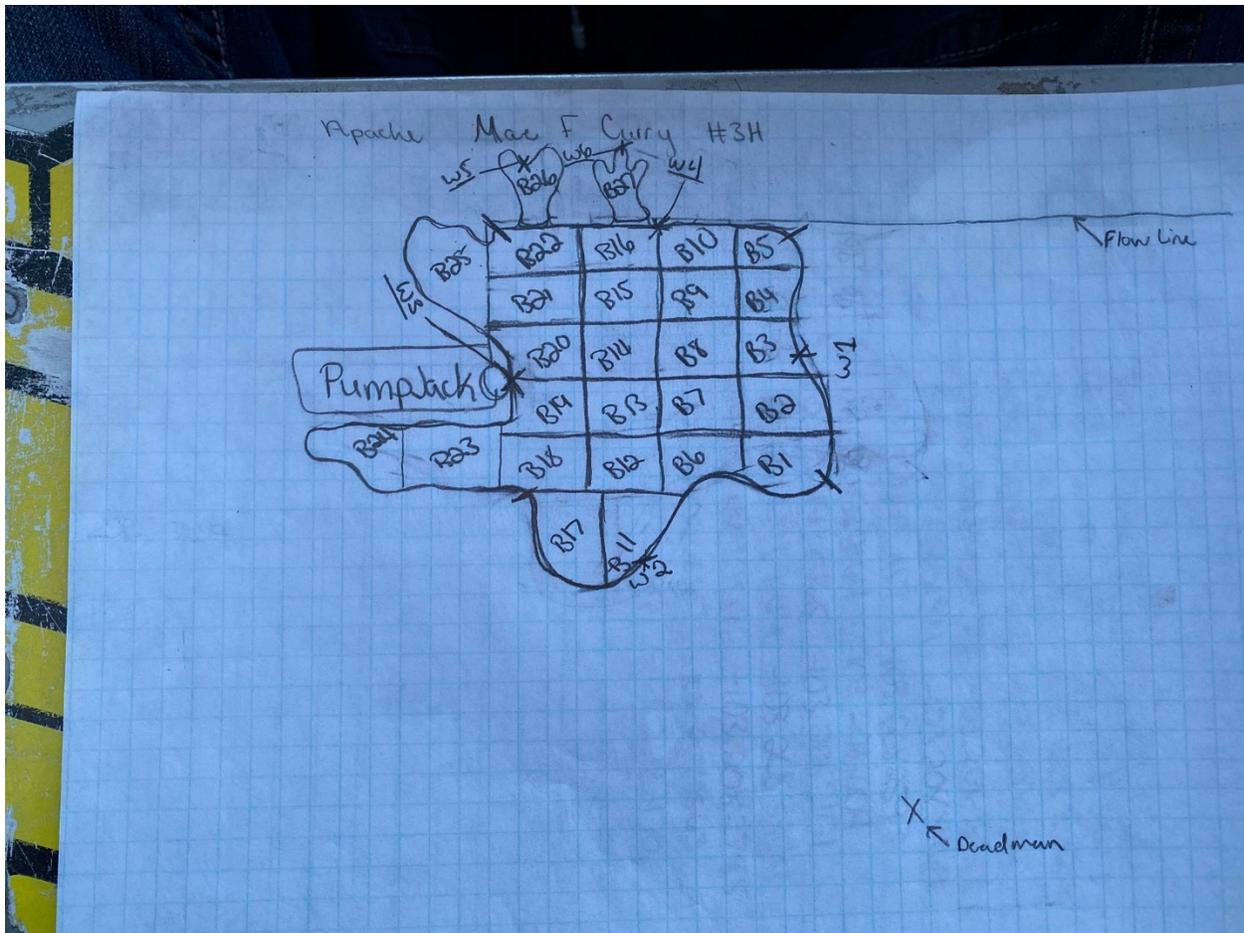
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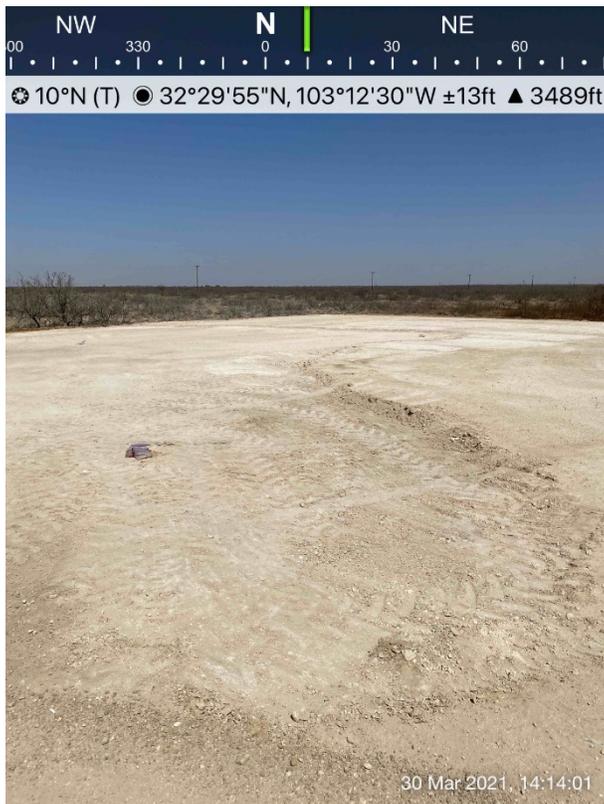
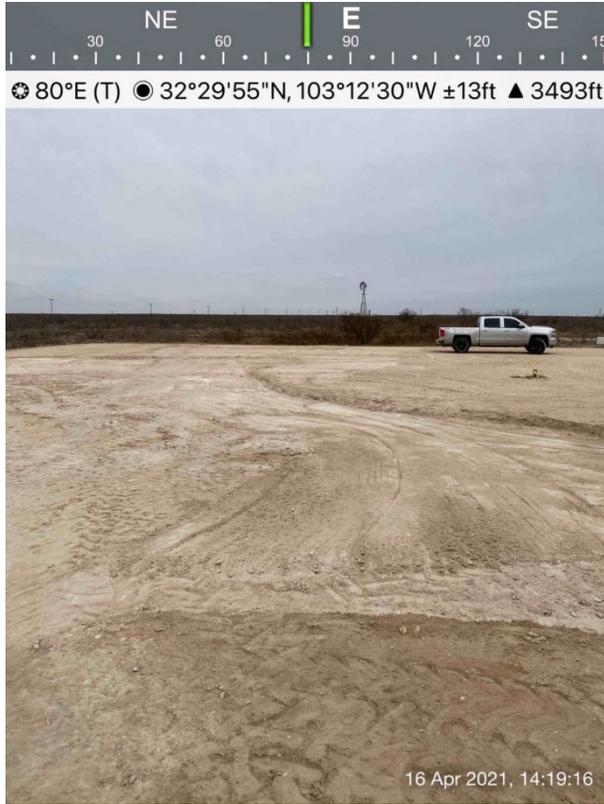
Relinquished By: *[Signature]* Date: *4/16* Time: *3:30*
 Received By: *[Signature]* Date: _____ Time: _____

Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: _____

Delivered By: (Circle One) UPS Bus Other: _____
 Observed Temp. °C: *5.2* Corrected Temp. °C: _____
 Sample Condition: Intact Cool Yes No Yes No

Turnaround Time: _____ Standard *Rush* Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C







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 25914

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 25914
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	6/23/2021