

Volume Calculation

The release volume was calculated using tank gauges before and after the release which determined a loss of 15 barrels.



303 Veterans Airpark Lane Midland, TX 79705

Remediation Plan

January 3, 2024

Re: Rhinewalt Battery
Case nAPP2328334367

Background:

On 9/25/2023 a release occurred due to a tank overfilled. The release (GPS: 32.42444, -103.17037) is located south of Eunice, New Mexico in unit letter F section 4 township 22S range 37E. A review of OSE wells of record and a SB conducted in 2021 suggest that the groundwater is over 50 feet with the shallowest depth being 90 feet.

Discrete vertical and horizontal grab samples were collected to delineate the release on 11/13/2023. All samples collected were submitted to a commercial laboratory for analysis for Cl-, TPH, and BTEX. SP1 and SP5 TPH was above table one standards for releases 51-100 feet to groundwater. On 11/27/2023 SP1 and SP2 were advanced to 2 and 3 feet. All samples collected were submitted to a commercial laboratory for analysis of TPH and BTEX.

Remediation Plan:

Apache Corporation proposes that the release area around SP5 be excavated to a depth of 3 feet and the remaining release area be excavated to a depth of 2 feet to extent possible due to the proximity of infrastructure. Final 5-point bottom and wall composite samples will be collected not to exceed 200 square feet. All samples collected will be submitted to a commercial laboratory for analysis of chloride (EPA 4500), TPH (8025), and BTEX (8021). All excavated material (300 yards) will be hauled to an OCD approved disposal facility. The excavation will be backfilled with clean imported caliche to restore the pad.

Remediation activities will be completed within 90 days of OCD approval of the plan.

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

Submitted by.

Larry Baker

Environmental Specialist Sr.
larry.baker@apachecorp.com
Office # 432-818-1654
Cell# 432-250-8384

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	90 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Larry Baker Title: Environmental Specialist Sr.
 Signature: *Larry Baker* Date: 1/10/2023
 email: larry.baker@apachecorp.com Telephone: 432-250-8384

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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 Specialist Sr.
 Signature: Larry Baker Date: 1/10/2023
 email: larry.baker@apachecorp.com Telephone: 432-250-8384

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Scott Rodgers Date: 03/12/2024

Show search results for 32.424...



App State ✕

Click to restore the map extent and layers visibility where you left off.



New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
CP 00255	POD2	2	2	3	04	22S	37E	672166	3588458* <input type="checkbox"/>

Driller License: 208	Driller Company: VAN NOY, W.L.	
Driller Name: VAN NOY, W.L.		
Drill Start Date: 01/13/1975	Drill Finish Date: 01/27/1975	Plug Date:
Log File Date: 02/05/1975	PCW Rev Date: 02/17/1975	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size:	Estimated Yield: 20 GPM
Casing Size: 8.00	Depth Well: 157 feet	Depth Water: 120 feet

Water Bearing Stratifications:	Top	Bottom	Description
	130	150	Other/Unknown

Casing Perforations:	Top	Bottom
	92	152

*UTM location was derived from PLSS - see Help

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

1/3/24 1:32 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00481	4	2	2	05	22S	37E	671349	3589047* <input type="checkbox"/>

Driller License:	46	Driller Company:	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT, MURRELL				
Drill Start Date:	04/09/1970	Drill Finish Date:	04/11/1970	Plug Date:	
Log File Date:	04/17/1970	PCW Rev Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	7.00	Depth Well:	125 feet	Depth Water:	90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	100	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	80	125

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



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(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
CP 00255	POD2	2	2	3	04	22S	37E	672166	3588458* <input type="checkbox"/>

Driller License: 208	Driller Company: VAN NOY, W.L.	
Driller Name: VAN NOY, W.L.		
Drill Start Date: 01/13/1975	Drill Finish Date: 01/27/1975	Plug Date:
Log File Date: 02/05/1975	PCW Rev Date: 02/17/1975	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size:	Estimated Yield: 20 GPM
Casing Size: 8.00	Depth Well: 157 feet	Depth Water: 120 feet

Water Bearing Stratifications:	Top	Bottom	Description
	130	150	Other/Unknown

Casing Perforations:	Top	Bottom
	92	152

*UTM location was derived from PLSS - see Help

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1/3/24 1:33 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)
Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X
						Y
	CP 00726	2	4	33	21S	37E
						672844 3589980* <input type="checkbox"/>

Driller License: 208	Driller Company: VAN NOY, W.L.	
Driller Name: VAN NOY, W.L.		
Drill Start Date: 02/23/1988	Drill Finish Date: 02/23/1988	Plug Date:
Log File Date: 02/26/1988	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size: 5.50	Depth Well: 125 feet	Depth Water: 100 feet

Water Bearing Stratifications:	Top	Bottom	Description
	100	125	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom	
	106	121	

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00481	4	2	2	05	22S	37E	671349	3589047* <input type="checkbox"/>

Driller License: 46	Driller Company: ABBOTT BROTHERS COMPANY	
Driller Name: ABBOTT, MURRELL		
Drill Start Date: 04/09/1970	Drill Finish Date: 04/11/1970	Plug Date:
Log File Date: 04/17/1970	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size: 7.00	Depth Well: 125 feet	Depth Water: 90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	100	Sandstone/Gravel/Conglomerate

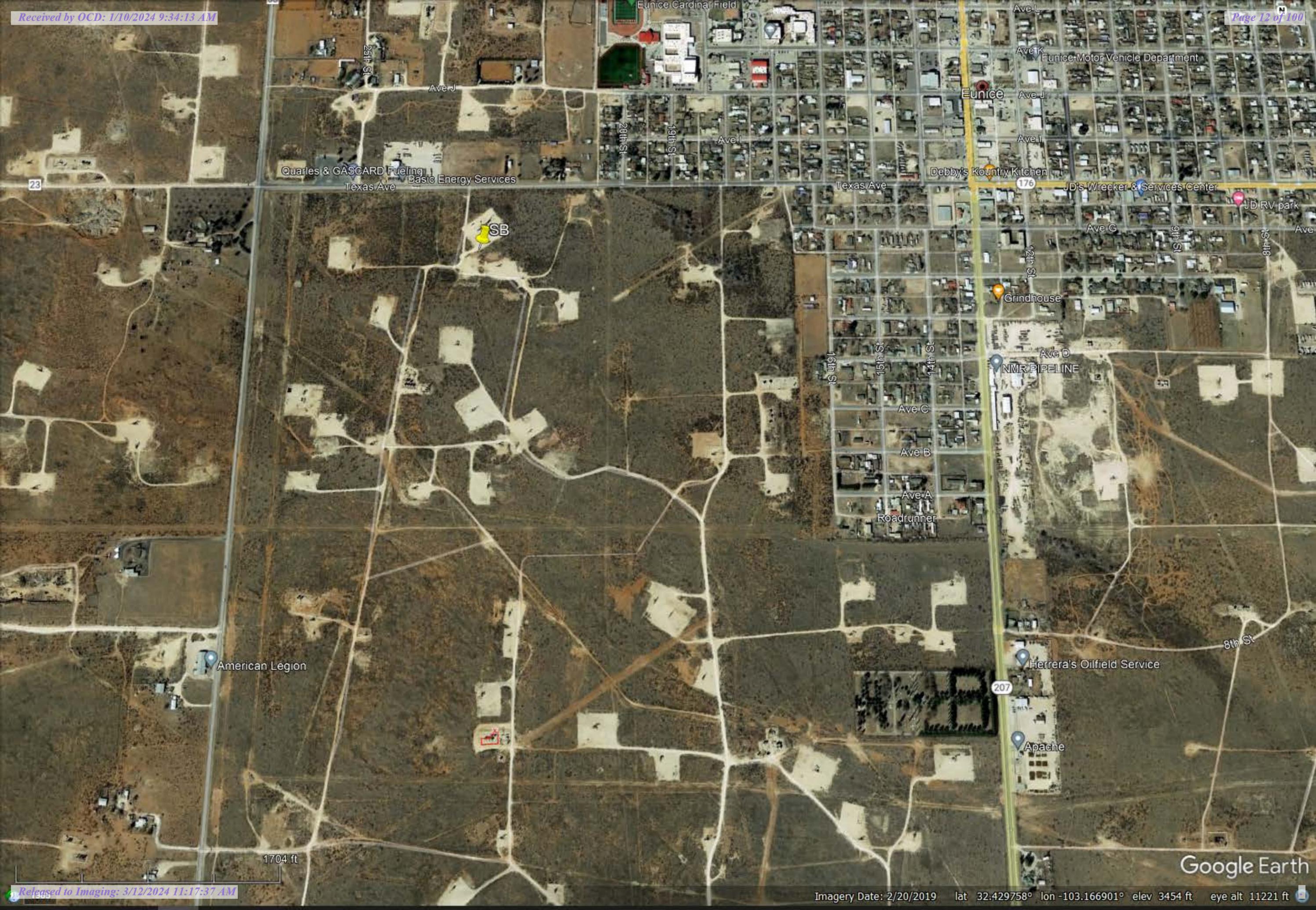
Casing Perforations:	Top	Bottom	
	80	125	

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



23

176

207

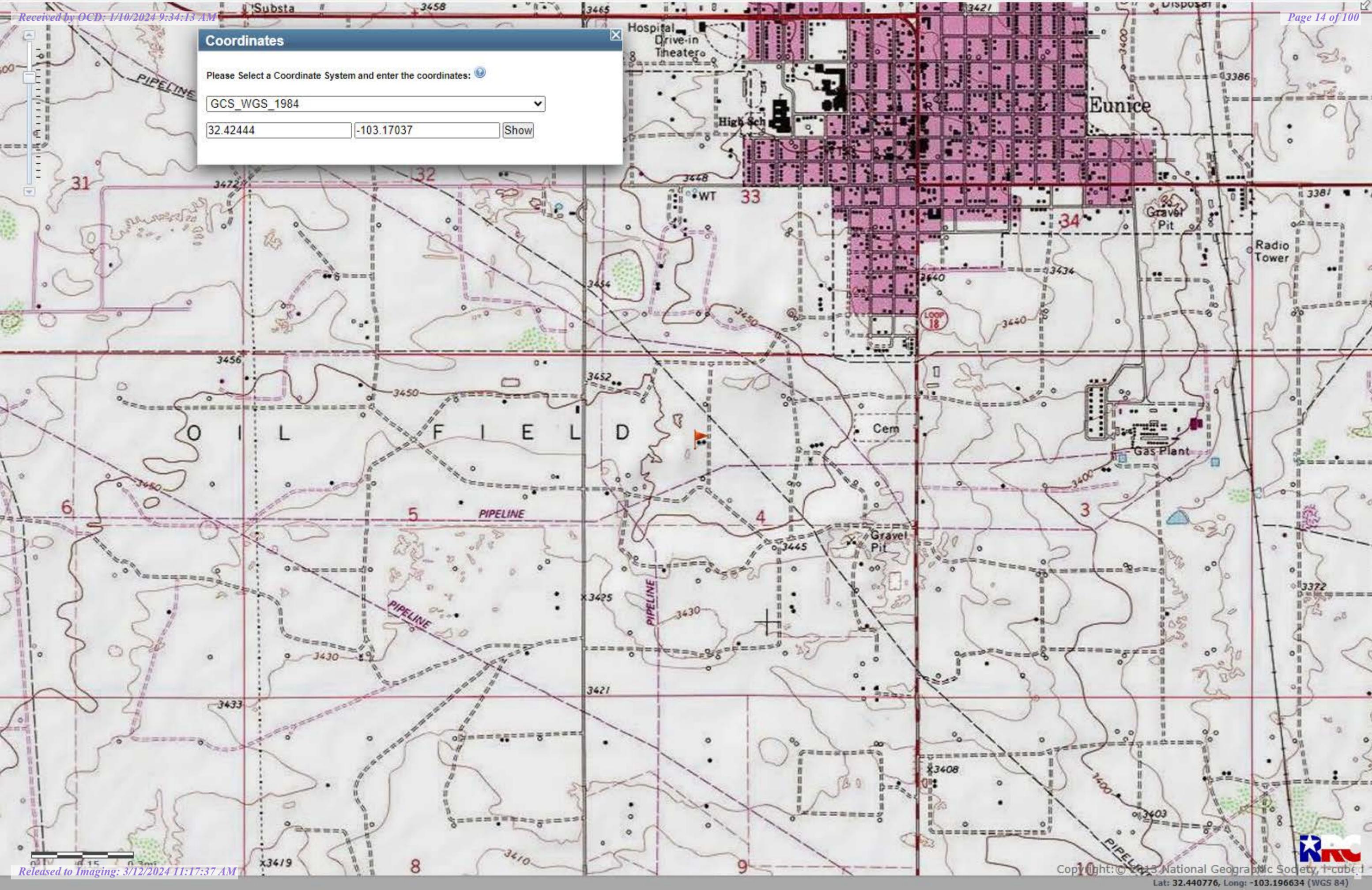
1704 ft

Coordinates

Please Select a Coordinate System and enter the coordinates:

GCS_WGS_1984

32.42444 -103.17037 Show



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32.42444 -103.17037 Search

px: pizza near NYC

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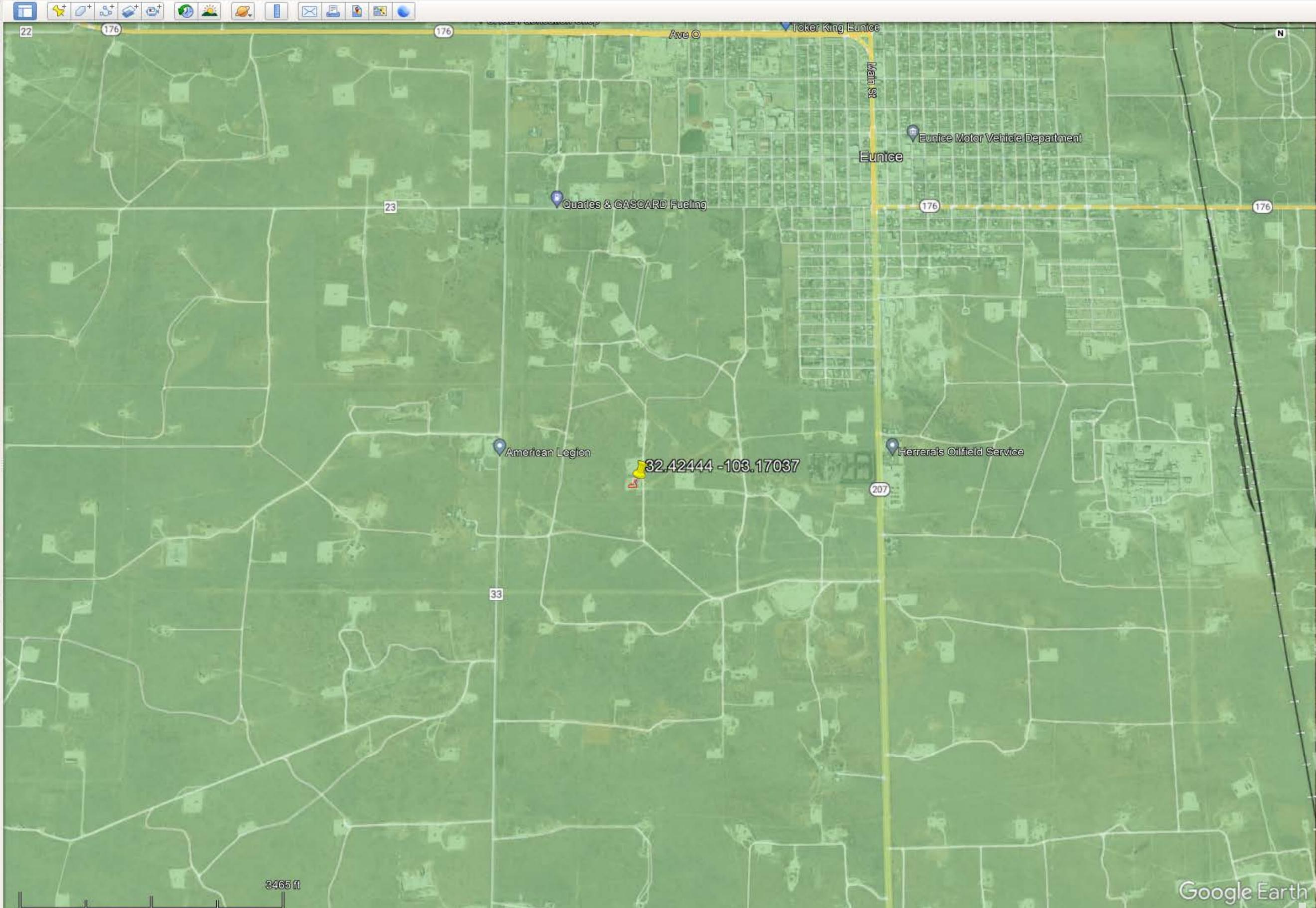
Places

- Critical Karst.kml
 - Critical Karst Resource Area
 - Karst.kml
 - Karst Potential
 - Medium
 - High
 - Low
 - Palmillo 14 15 State # 002H
 - Palmillo 14-15 State #003H
 - Palmillo 14 15 State # 205H
 - Palmillo 14 15 State 206H
 - Palmillo 14 15 State # 207H
 - Palmillo 14 15 State # 301
 - Palmillo 14 15 State #302
 - Palmillo 14 15 State 303H
 - Palmillo 14 15 State 304H
 - Palmillo 14 15 State # 307H
 - Palmillo 14 15 State Com 208 H
 - Palmillo 14 15 305H
 - Palmillo 14 15 206

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CITY OF
EUNICE
350028

LEA COUNTY
350130

Zone D

35025C1670D
eff. 12/16/2008



Rindewalt

Sample Map

SP Points

SP Number	Depth	Date	Long	Lat
1		2023/11/13	-103.170408666667	32.4244151666667
2		2023/11/13	-103.170414833333	32.4243293333333
3		2023/11/13	-103.170567	32.4243216666667
4		2023/11/13	-103.170687333333	32.4243788333333
5		2023/11/13	-103.170391	32.4245235

Wall Number	Date	Long	Lat
1	2023/11/13	-103.170339871525	32.424398154072
2	2023/11/13	-103.17037155147	32.4245427713043
3	2023/11/13	-103.170589333333	32.4244383333333
4	2023/11/13	-103.170693833333	32.424365
5	2023/11/13	-103.170505333333	32.4243116666667



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

November 16, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: RINE WALT BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/13/23 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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". The signature is written in a cursive style.

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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 1 (H236201-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	2.45	1.00	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	4.25	1.00	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	19.0	3.00	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	25.7	6.00	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/15/2023	ND	432	108	400	0.00	

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*	573	100	11/14/2023	ND	183	91.7	200	0.305		
DRO >C10-C28*	20300	100	11/14/2023	ND	181	90.6	200	1.84		
EXT DRO >C28-C36	5440	100	11/14/2023	ND						

Surrogate: 1-Chlorooctane 208 % 48.2-134

Surrogate: 1-Chlorooctadecane 577 % 49.1-148

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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 2 SURFACE (H236201-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.33	1.00	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	67.7	1.00	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	38.6	1.00	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	116	3.00	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	229	6.00	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

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*	4180	100	11/14/2023	ND	183	91.7	200	0.305		
DRO >C10-C28*	22500	100	11/14/2023	ND	181	90.6	200	1.84		
EXT DRO >C28-C36	6630	100	11/14/2023	ND						

Surrogate: 1-Chlorooctane 397 % 48.2-134

Surrogate: 1-Chlorooctadecane 629 % 49.1-148

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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 2 1' (H236201-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	0.372	0.050	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	0.286	0.050	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	0.820	0.150	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	1.48	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	18.7	10.0	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 2 2' (H236201-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	0.154	0.050	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	0.294	0.050	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	1.00	0.150	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	1.45	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.9	10.0	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	238	10.0	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	71.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 3 SURFACE (H236201-05)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	24.3	1.00	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	41.5	1.00	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	203	3.00	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	269	6.00	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 181 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	0.00	

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*	4530	100	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	31600	100	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	7250	100	11/14/2023	ND					

Surrogate: 1-Chlorooctane 781 % 48.2-134

Surrogate: 1-Chlorooctadecane 801 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 3 1' (H236201-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	0.102	0.050	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	0.122	0.050	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	0.680	0.150	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	0.904	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	32.2	10.0	11/15/2023	ND	183	91.7	200	0.305		
DRO >C10-C28*	3000	10.0	11/15/2023	ND	181	90.6	200	1.84		
EXT DRO >C28-C36	1440	10.0	11/15/2023	ND						

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 188 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 3 2' (H236201-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	<0.050	0.050	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	401	10.0	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	346	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 4 SURFACE (H236201-08)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	33.3	2.00	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	87.8	2.00	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	301	6.00	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	422	12.0	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 159 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	0.00	

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*	4810	100	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	35900	100	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	7330	100	11/14/2023	ND					

Surrogate: 1-Chlorooctane 1110 % 48.2-134

Surrogate: 1-Chlorooctadecane 846 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 4 1' (H236201-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	3.07	0.500	11/15/2023	ND	2.08	104	2.00	0.764	QM-07
Ethylbenzene*	7.39	0.500	11/15/2023	ND	2.08	104	2.00	0.765	QM-07
Total Xylenes*	28.1	1.50	11/15/2023	ND	6.54	109	6.00	0.897	QM-07
Total BTEX	38.6	3.00	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	359	10.0	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	784	10.0	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	387	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 4 2' (H236201-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	0.342	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	0.637	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	1.86	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	2.84	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	32.5	10.0	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	271	10.0	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	282	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 5 SURFACE (H236201-11)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	3.66	0.500	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	7.30	0.500	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	36.4	1.50	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	47.4	3.00	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/15/2023	ND	432	108	400	0.00	

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*	1160	100	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	30000	100	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	8010	100	11/14/2023	ND					

Surrogate: 1-Chlorooctane 271 % 48.2-134

Surrogate: 1-Chlorooctadecane 887 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 5 1' (H236201-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	0.105	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	0.526	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	0.631	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.6	10.0	11/15/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	512	10.0	11/15/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	164	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 5 2' (H236201-13)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	1.45	0.200	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	6.74	0.200	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	33.6	0.600	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	41.8	1.20	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 218 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	0.00	

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*	1090	50.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	7340	50.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	1430	50.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 161 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: W 1 (H236201-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: W 2 (H236201-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: W 3 (H236201-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	16.3	10.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: W 4 (H236201-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: W 5 (H236201-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.3 % 49.1-148

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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.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by 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</u> Project Manager: <u>B. Baker</u>		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: <u>NM</u> Zip: <u>88240</u> Project #: _____ Fax #: _____ Project Owner: _____ State: _____ Zip: _____ Phone #: _____ Project Location: <u>Pine Walt Battery</u> Project Name: _____ Sampler Name: <u>Jose Quasada</u> FOR LAB USE ONLY	
Lab I.D. <u>H336201</u> Sample I.D.		BILL TO ANALYSIS REQUEST	
1 SP1 2 SP2 Surface 3 SP2' 4 SP2a' 5 SP3 Surface 6 SP3 P' 7 SP3 2' 8 SP4 Surface 9 SP4 1' 10 SP4 2'		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
DATE TIME		SAMPLING	
11/13 11:42 11:44 11:46 11:48 12:14 12:18 12:20 12:22 12:24 12:24		CI BTEX EXT TPH	
Relinquished By: <u>Jose Quasada</u> Date: <u>1/13/23</u> Time: <u>8:23</u>		Received By: <u>[Signature]</u> Date: <u>1-13-23</u> Time: <u>15:25</u>	
Delivered By: (Circle One) UPS - Bus - Other: _____ Observed Temp. °C: <u>1.30c</u> Corrected Temp. °C: _____		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No CHECKED BY: <u>[Signature]</u> (Initials)	
Turnaround Time: _____ Thermometer ID #140 Correction Factor 0°C: _____		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: <u>L. Baker, C. Rocha, S. Quasada Sr.</u> REMARKS: <u>E-Mail Results, to all above</u>	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u> Project Manager: <u>B. Baker</u>		P.O. #: Company:	
Address: City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn: Address:	
Phone #: Fax #: Project #: Project Owner:		City: State: Zip:	
Project Name: Project Location: <u>Rine Walt + Battery</u>		Phone #: Fax #:	
Sampler Name: <u>Jose Quezada</u>		Matrix:	
FOR LAB USE ONLY		PRESERV:	
Lab I.D.		SAMPLE:	
Sample I.D.		DATE TIME	
(G)RAB OR (C)OMP.		DATE TIME	
# CONTAINERS		DATE TIME	
GROUNDWATER		DATE TIME	
WASTEWATER		DATE TIME	
SOIL		DATE TIME	
OIL		DATE TIME	
SLUDGE		DATE TIME	
OTHER:		DATE TIME	
ACID/BASE:		DATE TIME	
ICE / COOL		DATE TIME	
OTHER:		DATE TIME	
ANALYSIS REQUEST		ANALYSIS REQUEST	

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Relinquished By: S. Quezada
 Date: 11-13-23
 Time: 15:25
 Received By: [Signature]
 Date: 11-13-23
 Time: 15:25

Delivered By: (Circle One) UPS Observed Temp. °C: 1.30
 Corrected Temp. °C: 1.30
 Sample Condition: Intact
 Checked By: [Signature]

REMARKS: E-Mail Result to all above
L. Baker, C. Rocha, S. Quezada SR
 Turaround Time: Standard Rush
 Bacteria (only) Sample Condition: Intact
 Corrected Temp. °C: 1.30



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

November 30, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: RINE WALT BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/27/23 12:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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". The signature is written in a cursive, flowing style.

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:	11/27/2023	Sampling Date:	11/27/2023
Reported:	11/30/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H236382-01)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2023	ND	1.83	91.5	2.00	12.9	
Toluene*	0.443	0.050	11/27/2023	ND	1.92	96.2	2.00	12.8	
Ethylbenzene*	0.717	0.050	11/27/2023	ND	1.94	97.2	2.00	13.1	
Total Xylenes*	2.32	0.150	11/27/2023	ND	5.84	97.3	6.00	12.7	
Total BTEX	3.48	0.300	11/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 164 % 71.5-134

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	89.4	50.0	11/27/2023	ND	226	113	200	3.72	
DRO >C10-C28*	1650	50.0	11/27/2023	ND	229	114	200	4.05	
EXT DRO >C28-C36	385	50.0	11/27/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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:	11/27/2023	Sampling Date:	11/27/2023
Reported:	11/30/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 3' (H236382-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/27/2023	ND	1.83	91.5	2.00	12.9		
Toluene*	<0.050	0.050	11/27/2023	ND	1.92	96.2	2.00	12.8		
Ethylbenzene*	<0.050	0.050	11/27/2023	ND	1.94	97.2	2.00	13.1		
Total Xylenes*	<0.150	0.150	11/27/2023	ND	5.84	97.3	6.00	12.7		
Total BTEX	<0.300	0.300	11/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

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	11/28/2023	ND	200	100	200	12.4		
DRO >C10-C28*	689	10.0	11/28/2023	ND	179	89.7	200	14.0		
EXT DRO >C28-C36	329	10.0	11/28/2023	ND						

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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:	11/27/2023	Sampling Date:	11/27/2023
Reported:	11/30/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H236382-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2023	ND	1.83	91.5	2.00	12.9	
Toluene*	<0.050	0.050	11/27/2023	ND	1.92	96.2	2.00	12.8	
Ethylbenzene*	<0.050	0.050	11/27/2023	ND	1.94	97.2	2.00	13.1	
Total Xylenes*	<0.150	0.150	11/27/2023	ND	5.84	97.3	6.00	12.7	
Total BTEX	<0.300	0.300	11/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

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	11/28/2023	ND	200	100	200	12.4	
DRO >C10-C28*	15.4	10.0	11/28/2023	ND	179	89.7	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	11/28/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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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-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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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: Apache
 Project Manager: Bruce Baker
 Address: _____
 City: Hobbs State: NM Zip: 88240
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: _____
 Project Location: Pine Wolf Battery
 Sampler Name: Jose Quevedo
 FOR LAB USE ONLY

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	
<u>H236382</u>	<u>SP101'</u>		<u>1</u>									<u>1/21</u>	<u>8:40</u>	<u>CXT TPH</u>
	<u>SP503'</u>		<u>1</u>									<u>1/21</u>	<u>9:20</u>	<u>BTEX</u>
	<u>SP102'</u>		<u>1</u>									<u>1/22</u>	<u>8:48</u>	

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Relinquished By: Jose Quevedo
 Date: 1/21/23 Time: 11:05
 Received By: [Signature]
 Date: 1-22-23 Time: 12:09

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

Delivered By: (Circle One) UPS Observed Temp. °C 14.8
 Sampler - UPS - Bus - Other: _____ Corrected Temp. °C _____
 Sample Condition: Intact Cool Yes No

Turnaround Time: _____ Standard Rush
 Thermometer ID #140 Correction Factor 0°C Yes No
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Observed Temp. °C _____ Corrected Temp. °C _____

REMARKS: E-Mail Results

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



303 Veterans Airpark Lane Midland, TX 79705

Remediation Plan

January 3, 2024

Re: Rhinewalt Battery
Case nAPP2328334367

Background:

On 9/25/2023 a release occurred due to a tank overfilled. The release (GPS: 32.42444, -103.17037) is located south of Eunice, New Mexico in unit letter F section 4 township 22S range 37E. A review of OSE wells of record and a SB conducted in 2021 suggest that the groundwater is over 50 feet with the shallowest depth being 90 feet.

Discrete vertical and horizontal grab samples were collected to delineate the release on 11/13/2023. All samples collected were submitted to a commercial laboratory for analysis for Cl-, TPH, and BTEX. SP1 and SP5 TPH was above table one standards for releases 51-100 feet to groundwater. On 11/27/2023 SP1 and SP2 were advanced to 2 and 3 feet. All samples collected were submitted to a commercial laboratory for analysis of TPH and BTEX.

Remediation Plan:

Apache Corporation proposes that the release area around SP5 be excavated to a depth of 3 feet and the remaining release area be excavated to a depth of 2 feet to extent possible due to the proximity of infrastructure. Final 5-point bottom and wall composite samples will be collected not to exceed 200 square feet. All samples collected will be submitted to a commercial laboratory for analysis of chloride (EPA 4500), TPH (8025), and BTEX (8021). All excavated material (300 yards) will be hauled to an OCD approved disposal facility. The excavation will be backfilled with clean imported caliche to restore the pad.

Remediation activities will be completed within 90 days of OCD approval of the plan.

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

Submitted by.

Larry Baker

Environmental Specialist Sr.
larry.baker@apachecorp.com
Office # 432-818-1654
Cell# 432-250-8384

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	90 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Larry Baker Title: Environmental Specialist Sr.

Signature: *Larry Baker* Date: 1/10/2023

email: larry.baker@apachecorp.com Telephone: 432-250-8384

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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 Specialist Sr.
 Signature: *Larry Baker* Date: 1/10/2023
 email: larry.baker@apachecorp.com Telephone: 432-250-8384

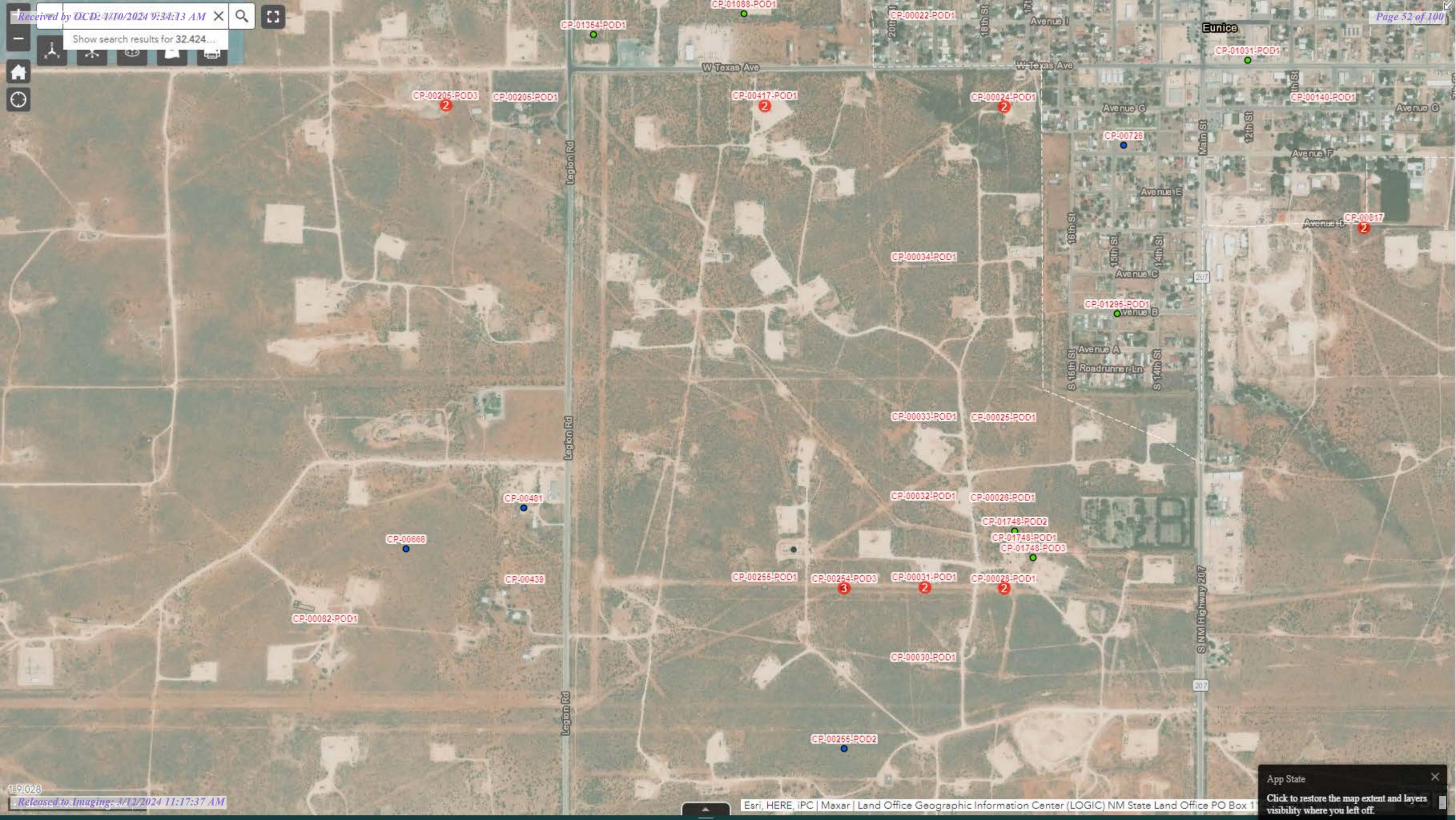
OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Show search results for 32.424...



App State

Click to restore the map extent and layers visibility where you left off.



New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00255 POD2	2	2	3	04	22S	37E	672166	3588458* <input type="checkbox"/>

Driller License:	208	Driller Company:	VAN NOY, W.L.		
Driller Name:	VAN NOY, W.L.				
Drill Start Date:	01/13/1975	Drill Finish Date:	01/27/1975	Plug Date:	
Log File Date:	02/05/1975	PCW Rev Date:	02/17/1975	Source:	Shallow
Pump Type:	SUBMER	Pipe Discharge Size:		Estimated Yield:	20 GPM
Casing Size:	8.00	Depth Well:	157 feet	Depth Water:	120 feet

Water Bearing Stratifications:	Top	Bottom	Description
	130	150	Other/Unknown

Casing Perforations:	Top	Bottom
	92	152

*UTM location was derived from PLSS - see Help

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

1/3/24 1:32 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00481	4	2	2	05	22S	37E	671349	3589047* <input type="checkbox"/>

Driller License: 46	Driller Company: ABBOTT BROTHERS COMPANY	
Driller Name: ABBOTT, MURRELL		
Drill Start Date: 04/09/1970	Drill Finish Date: 04/11/1970	Plug Date:
Log File Date: 04/17/1970	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size: 7.00	Depth Well: 125 feet	Depth Water: 90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	100	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	80	125

*UTM location was derived from PLSS - see Help

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1/3/24 1:34 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
CP 00255	POD2	2	2	3	04	22S	37E	672166	3588458* <input type="checkbox"/>

Driller License: 208	Driller Company: VAN NOY, W.L.	
Driller Name: VAN NOY, W.L.		
Drill Start Date: 01/13/1975	Drill Finish Date: 01/27/1975	Plug Date:
Log File Date: 02/05/1975	PCW Rev Date: 02/17/1975	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size:	Estimated Yield: 20 GPM
Casing Size: 8.00	Depth Well: 157 feet	Depth Water: 120 feet

Water Bearing Stratifications:	Top	Bottom	Description
	130	150	Other/Unknown

Casing Perforations:	Top	Bottom
	92	152

*UTM location was derived from PLSS - see Help

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

1/3/24 1:33 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)
Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X Y
	CP 00726	2 4 33	21S	37E	672844	3589980* <input type="checkbox"/>

Driller License: 208	Driller Company: VAN NOY, W.L.	
Driller Name: VAN NOY, W.L.		
Drill Start Date: 02/23/1988	Drill Finish Date: 02/23/1988	Plug Date:
Log File Date: 02/26/1988	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size: 5.50	Depth Well: 125 feet	Depth Water: 100 feet

Water Bearing Stratifications:	Top	Bottom	Description
	100	125	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	106	121

*UTM location was derived from PLSS - see Help

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1/3/24 1:35 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00481	4	2	2	05	22S	37E	671349	3589047* <input type="checkbox"/>

Driller License:	46	Driller Company:	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT, MURRELL				
Drill Start Date:	04/09/1970	Drill Finish Date:	04/11/1970	Plug Date:	
Log File Date:	04/17/1970	PCW Rev Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	7.00	Depth Well:	125 feet	Depth Water:	90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	100	Sandstone/Gravel/Conglomerate

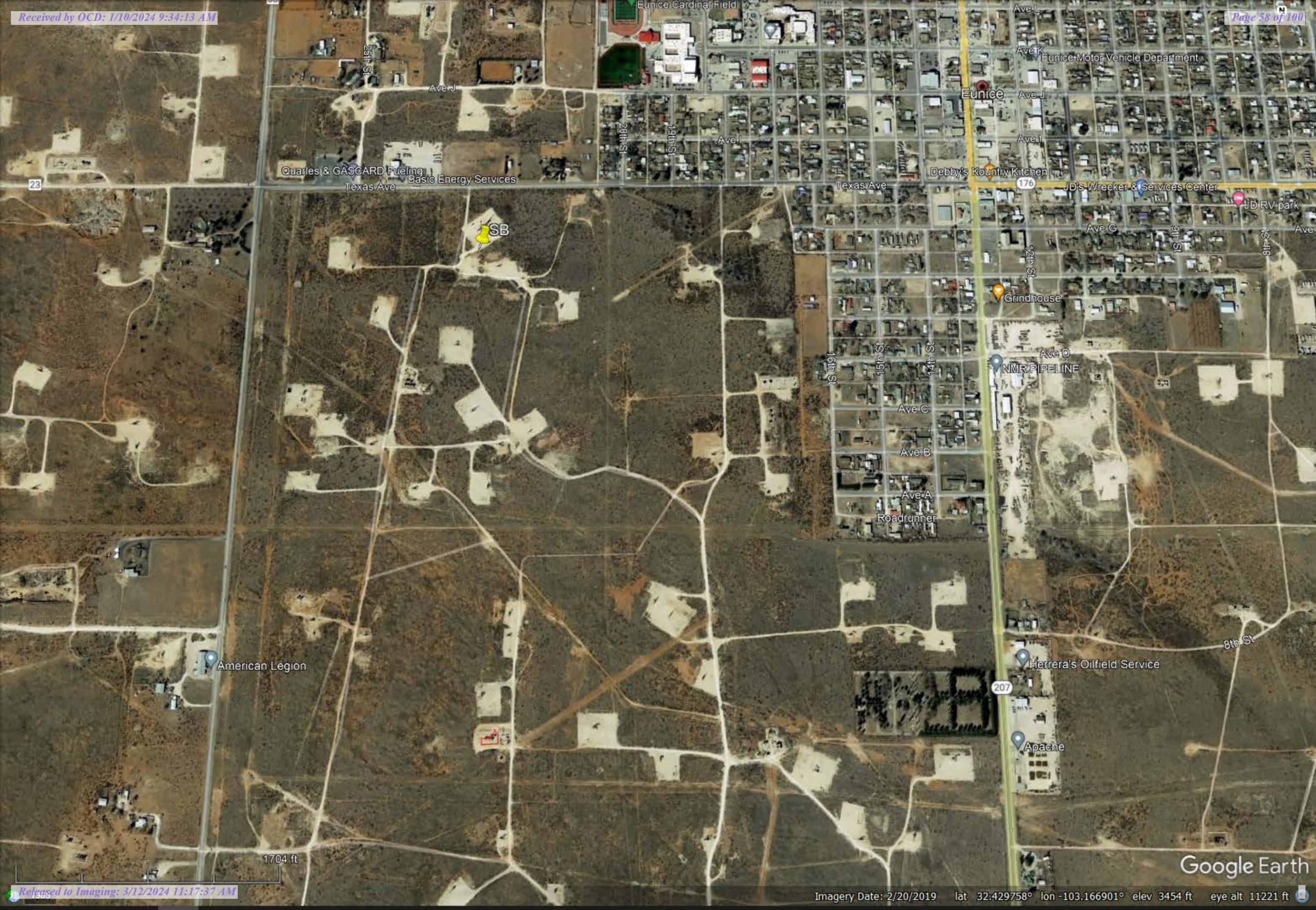
Casing Perforations:	Top	Bottom
	80	125

*UTM location was derived from PLSS - see Help

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

1/3/24 1:36 PM

POINT OF DIVERSION SUMMARY



23

176

207

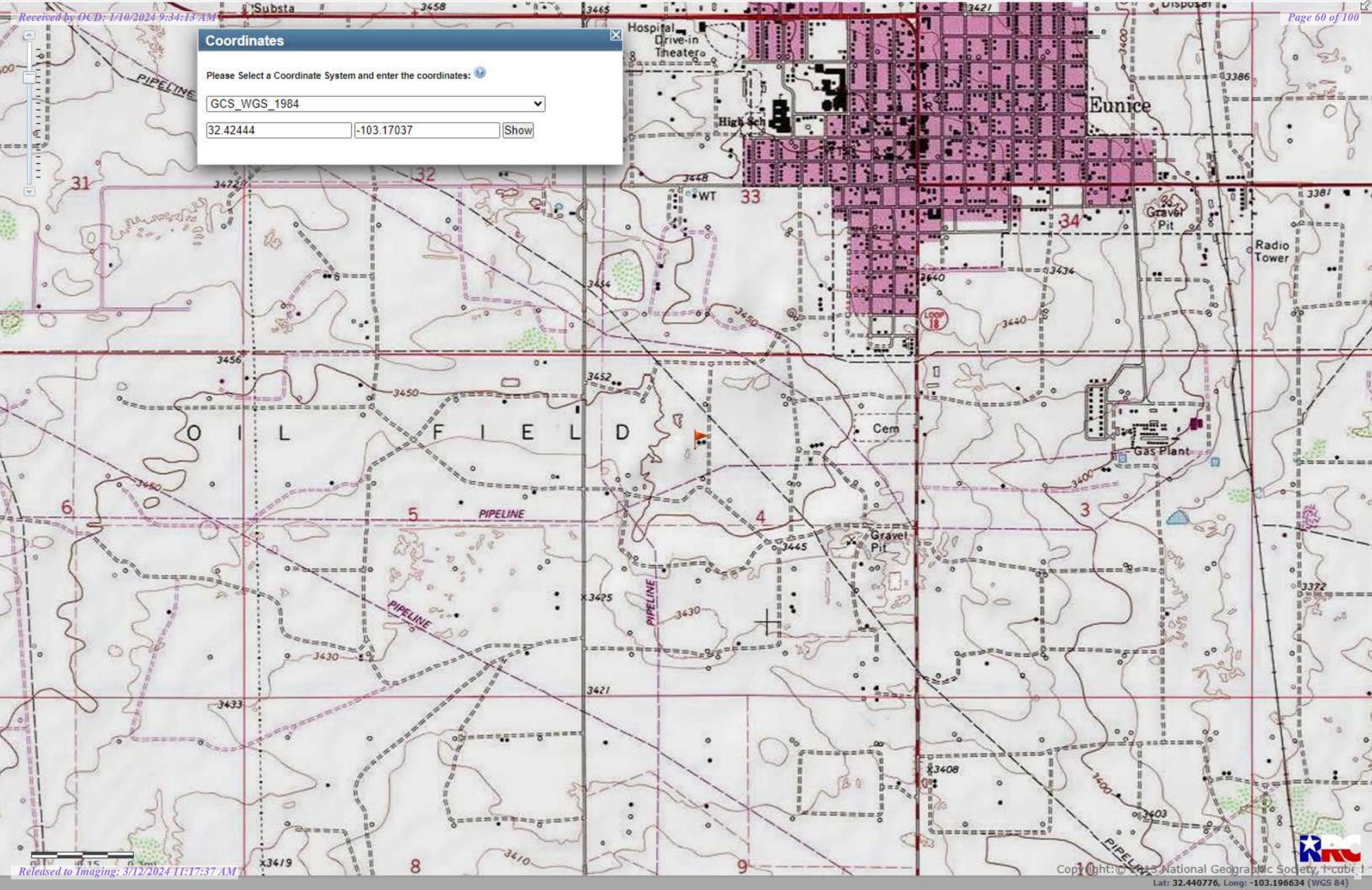
1704 ft

Coordinates

Please Select a Coordinate System and enter the coordinates:

GCS_WGS_1984

32.42444 -103.17037 Show



Search

32.42444 -103.17037 Search

Get Directions History

32.42444 -103.17037

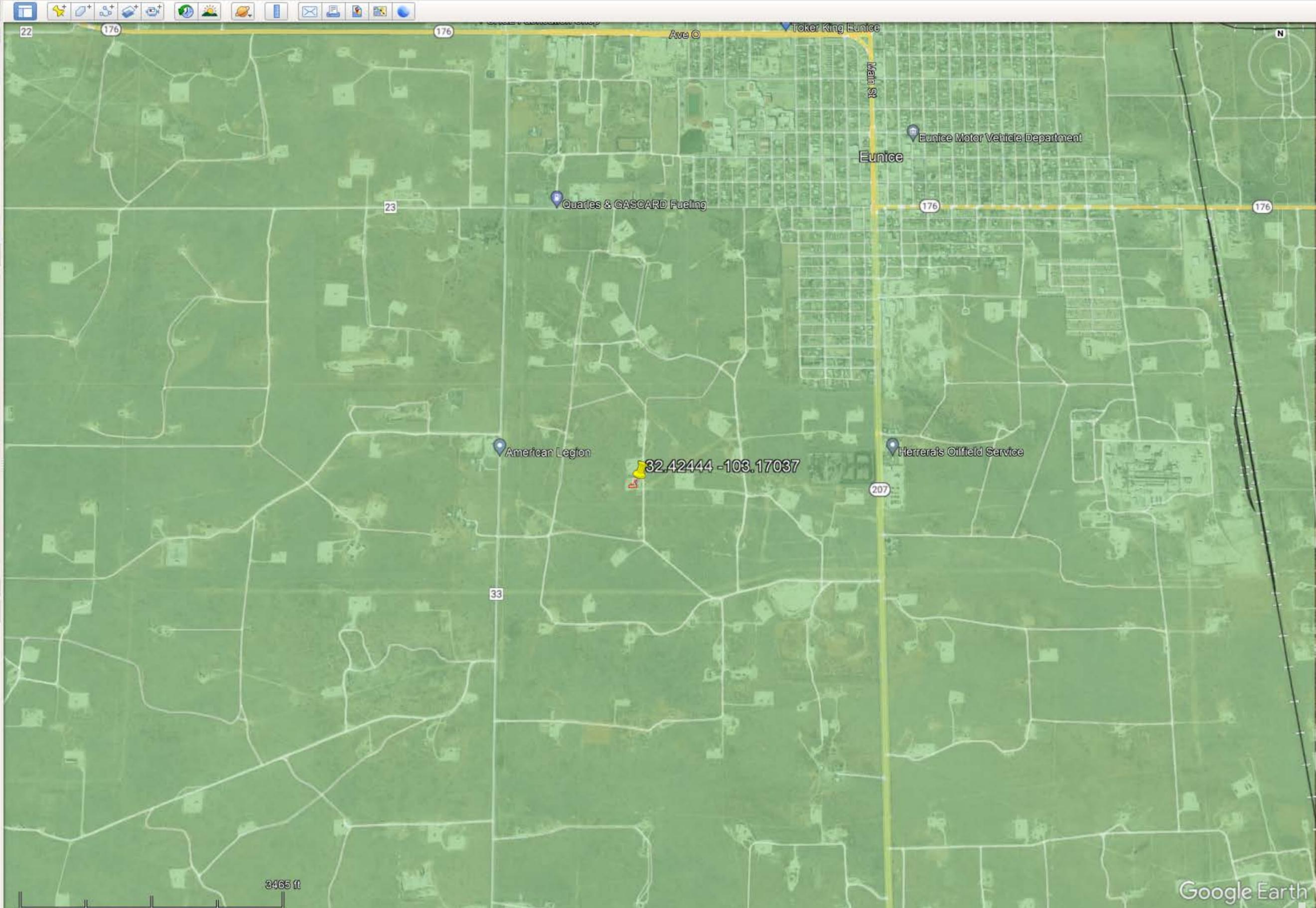
Places

- Critical Karst.kml
 - Critical Karst Resource Area
 - Karst.kml
 - Karst Potential
 - Medium
 - High
 - Low
 - Palmillo 14 15 State # 002H
 - Palmillo 14-15 State #003H
 - Palmillo 14 15 State # 205H
 - Palmillo 14 15 State 206H
 - Palmillo 14 15 State # 207H
 - Palmillo 14 15 State # 301
 - Palmillo 14 15 State #302
 - Palmillo 14 15 State 303H
 - Palmillo 14 15 State 304H
 - Palmillo 14 15 State # 307H
 - Palmillo 14 15 State Com 208 H
 - Palmillo 14 15 305H
 - Palmillo 14 15 206

Karst

Layers

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32.42444 -103.17037 X Q

Show search results for 32.42444 -10...

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Rindewalt

Sample Map

SP Points

SP Number	Depth	Date	Long	Lat
1		2023/11/13	-103.170408666667	32.4244151666667
2		2023/11/13	-103.170414833333	32.4243293333333
3		2023/11/13	-103.170567	32.4243216666667
4		2023/11/13	-103.170687333333	32.4243788333333
5		2023/11/13	-103.170391	32.4245235

Wall Number	Date	Long	Lat
1	2023/11/13	-103.170339871525	32.424398154072
2	2023/11/13	-103.17037155147	32.4245427713043
3	2023/11/13	-103.170589333333	32.4244383333333
4	2023/11/13	-103.170693833333	32.424365
5	2023/11/13	-103.170505333333	32.4243116666667



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

November 16, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: RINE WALT BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/13/23 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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". The signature is written in a cursive style.

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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 1 (H236201-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	2.45	1.00	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	4.25	1.00	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	19.0	3.00	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	25.7	6.00	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/15/2023	ND	432	108	400	0.00	

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*	573	100	11/14/2023	ND	183	91.7	200	0.305		
DRO >C10-C28*	20300	100	11/14/2023	ND	181	90.6	200	1.84		
EXT DRO >C28-C36	5440	100	11/14/2023	ND						

Surrogate: 1-Chlorooctane 208 % 48.2-134

Surrogate: 1-Chlorooctadecane 577 % 49.1-148

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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 2 SURFACE (H236201-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.33	1.00	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	67.7	1.00	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	38.6	1.00	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	116	3.00	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	229	6.00	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

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*	4180	100	11/14/2023	ND	183	91.7	200	0.305		
DRO >C10-C28*	22500	100	11/14/2023	ND	181	90.6	200	1.84		
EXT DRO >C28-C36	6630	100	11/14/2023	ND						

Surrogate: 1-Chlorooctane 397 % 48.2-134

Surrogate: 1-Chlorooctadecane 629 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 2 1' (H236201-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	0.372	0.050	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	0.286	0.050	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	0.820	0.150	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	1.48	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	18.7	10.0	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 2 2' (H236201-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	0.154	0.050	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	0.294	0.050	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	1.00	0.150	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	1.45	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.9	10.0	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	238	10.0	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	71.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 3 SURFACE (H236201-05)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	24.3	1.00	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	41.5	1.00	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	203	3.00	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	269	6.00	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 181 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	0.00	

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*	4530	100	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	31600	100	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	7250	100	11/14/2023	ND					

Surrogate: 1-Chlorooctane 781 % 48.2-134

Surrogate: 1-Chlorooctadecane 801 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 3 1' (H236201-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	0.102	0.050	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	0.122	0.050	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	0.680	0.150	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	0.904	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	32.2	10.0	11/15/2023	ND	183	91.7	200	0.305		
DRO >C10-C28*	3000	10.0	11/15/2023	ND	181	90.6	200	1.84		
EXT DRO >C28-C36	1440	10.0	11/15/2023	ND						

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 188 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 3 2' (H236201-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	<0.050	0.050	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	401	10.0	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	346	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 4 SURFACE (H236201-08)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	11/15/2023	ND	1.88	94.2	2.00	6.05	
Toluene*	33.3	2.00	11/15/2023	ND	1.99	99.5	2.00	5.32	
Ethylbenzene*	87.8	2.00	11/15/2023	ND	2.00	100	2.00	6.17	
Total Xylenes*	301	6.00	11/15/2023	ND	6.08	101	6.00	6.56	
Total BTEX	422	12.0	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 159 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	0.00	

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*	4810	100	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	35900	100	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	7330	100	11/14/2023	ND					

Surrogate: 1-Chlorooctane 1110 % 48.2-134

Surrogate: 1-Chlorooctadecane 846 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 4 1' (H236201-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	3.07	0.500	11/15/2023	ND	2.08	104	2.00	0.764	QM-07
Ethylbenzene*	7.39	0.500	11/15/2023	ND	2.08	104	2.00	0.765	QM-07
Total Xylenes*	28.1	1.50	11/15/2023	ND	6.54	109	6.00	0.897	QM-07
Total BTEX	38.6	3.00	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	359	10.0	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	784	10.0	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	387	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 4 2' (H236201-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	0.342	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	0.637	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	1.86	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	2.84	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	32.5	10.0	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	271	10.0	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	282	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 5 SURFACE (H236201-11)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	3.66	0.500	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	7.30	0.500	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	36.4	1.50	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	47.4	3.00	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/15/2023	ND	432	108	400	0.00	

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*	1160	100	11/14/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	30000	100	11/14/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	8010	100	11/14/2023	ND					

Surrogate: 1-Chlorooctane 271 % 48.2-134

Surrogate: 1-Chlorooctadecane 887 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 5 1' (H236201-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	0.105	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	0.526	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	0.631	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.6	10.0	11/15/2023	ND	183	91.7	200	0.305	
DRO >C10-C28*	512	10.0	11/15/2023	ND	181	90.6	200	1.84	
EXT DRO >C28-C36	164	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 5 2' (H236201-13)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	1.45	0.200	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	6.74	0.200	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	33.6	0.600	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	41.8	1.20	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 218 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	0.00	

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*	1090	50.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	7340	50.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	1430	50.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 161 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: W 1 (H236201-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: W 2 (H236201-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: W 3 (H236201-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	16.3	10.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: W 4 (H236201-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 49.1-148

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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:	11/13/2023	Sampling Date:	11/13/2023
Reported:	11/16/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: W 5 (H236201-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.05	103	2.00	0.688	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.764	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	0.765	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.54	109	6.00	0.897	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/14/2023	ND	192	96.2	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/14/2023	ND	170	84.9	200	3.37	
EXT DRO >C28-C36	<10.0	10.0	11/14/2023	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.3 % 49.1-148

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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.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by 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: Apache
 Project Manager: B. Baker
 Address: Hobbs State: NM Zip: 88240
 City: Hobbs Attn: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: _____ City: _____ State: _____ Zip: _____
 Project Location: Rineault Battery Phone #: _____
 Sampler Name: Jose Quevedo Fax #: _____

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
<u>H336201</u>	<u>SPS Surface</u>	<u>Q</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>12:50</u>	<u>Cl</u>	
	<u>SP05 1'</u>	<u>Q</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>12:52</u>	<u>BTEX</u>	
	<u>SPS2 1'</u>	<u>Q</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>12:54</u>	<u>RXT TPH</u>	
	<u>W1</u>	<u>Q</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1:50</u>		
	<u>W2</u>	<u>Q</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1:52</u>		
	<u>W3</u>	<u>Q</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1:54</u>		
	<u>W4</u>	<u>Q</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1:54</u>		
	<u>W5</u>	<u>Q</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1:58</u>		

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Relinquished By: S. Quevedo Date: 11/13/23 Time: 3:23
 Relinquished By: Jose Quevedo Date: 11-13-23 Time: 15:25
 Received By: Alfonso Received By: _____

Delivered By: (Circle One) UPS Observed Temp. °C: 1.30 Sample Condition: Intact CHECKED BY: _____
 Sampler - UPS - Bus - Other: _____ Corrected Temp. °C: _____ Cool Intact: Yes Bacteria (only) Sample Condition: Intact
 Turaround Time: _____ Standard Yes Add'l Phone #: _____
 Thermometer ID #140 C Rush Yes Cool Intact: Yes Observed Temp. °C: _____
 Correction Factor 0°C: _____ No No Corrected Temp. °C: _____

REMARKS: E-Mail Result to all above
L. Baker, C. Rocha, S. Quevedo SR

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



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

November 30, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: RINE WALT BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/27/23 12:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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". The signature is written in a cursive, flowing style.

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:	11/27/2023	Sampling Date:	11/27/2023
Reported:	11/30/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H236382-01)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2023	ND	1.83	91.5	2.00	12.9	
Toluene*	0.443	0.050	11/27/2023	ND	1.92	96.2	2.00	12.8	
Ethylbenzene*	0.717	0.050	11/27/2023	ND	1.94	97.2	2.00	13.1	
Total Xylenes*	2.32	0.150	11/27/2023	ND	5.84	97.3	6.00	12.7	
Total BTEX	3.48	0.300	11/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 164 % 71.5-134

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	89.4	50.0	11/27/2023	ND	226	113	200	3.72	
DRO >C10-C28*	1650	50.0	11/27/2023	ND	229	114	200	4.05	
EXT DRO >C28-C36	385	50.0	11/27/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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:	11/27/2023	Sampling Date:	11/27/2023
Reported:	11/30/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 3' (H236382-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/27/2023	ND	1.83	91.5	2.00	12.9		
Toluene*	<0.050	0.050	11/27/2023	ND	1.92	96.2	2.00	12.8		
Ethylbenzene*	<0.050	0.050	11/27/2023	ND	1.94	97.2	2.00	13.1		
Total Xylenes*	<0.150	0.150	11/27/2023	ND	5.84	97.3	6.00	12.7		
Total BTEX	<0.300	0.300	11/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

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	11/28/2023	ND	200	100	200	12.4		
DRO >C10-C28*	689	10.0	11/28/2023	ND	179	89.7	200	14.0		
EXT DRO >C28-C36	329	10.0	11/28/2023	ND						

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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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:	11/27/2023	Sampling Date:	11/27/2023
Reported:	11/30/2023	Sampling Type:	Soil
Project Name:	RINE WALT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Dionica Hinojos
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H236382-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2023	ND	1.83	91.5	2.00	12.9	
Toluene*	<0.050	0.050	11/27/2023	ND	1.92	96.2	2.00	12.8	
Ethylbenzene*	<0.050	0.050	11/27/2023	ND	1.94	97.2	2.00	13.1	
Total Xylenes*	<0.150	0.150	11/27/2023	ND	5.84	97.3	6.00	12.7	
Total BTEX	<0.300	0.300	11/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

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	11/28/2023	ND	200	100	200	12.4	
DRO >C10-C28*	15.4	10.0	11/28/2023	ND	179	89.7	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	11/28/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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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-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Apache
Project Manager: Bruce Baker
Address:
City: Hobbs State: NM Zip: 88240
Phone #: Fax #: Project Owner:
Project #:

Project Name:
Project Location: Pine Wolf Battery
Sampler Name: Jose Quevedo
FOR LAB USE ONLY

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	
H236382	1 SP101'		1									11/21	8:40	CXTTPH
	2 SP503'		1									11/21	9:20	BTEX
	3 SP102'		1									11/22	8:48	

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 analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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.

Relinquished By: Jose Quevedo
Date: 12/23
Time: 11:05

Received By: [Signature]
Date: 1-27-23
Time: 12:09

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

REMARKS: E-Mail Results

Delivered By: (Circle One) UPS Observed Temp. °C 14.8 Sample Condition Intact Cool Yes No

Sampler - UPS - Bus - Other: Corrected Temp. °C 14.8 Checked By: [Signature] (Initials)

Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Yes No

Thermometer ID #140 Correction Factor 0°C Yes No Corrected Temp. °C

FORM-000 REV 07/11/23

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

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QUESTIONS

Action 302015

QUESTIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 302015
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2328334367
Incident Name	NAPP2328334367 RHINEWALT BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Plan Received

Location of Release Source

Please answer all the questions in this group.

Site Name	RHINEWALT BATTERY
Date Release Discovered	09/25/2023
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Crude Oil Released: 15 BBL Recovered: 10 BBL Lost: 5 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 302015

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 302015
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 01/10/2024
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QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 302015
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	112
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	48040
GRO+DRO (EPA SW-846 Method 8015M)	40710
BTEX (EPA SW-846 Method 8021B or 8260B)	422
Benzene (EPA SW-846 Method 8021B or 8260B)	6.3

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	04/10/2024
On what date will (or did) the final sampling or liner inspection occur	04/20/2024
On what date will (or was) the remediation complete(d)	07/10/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1600
What is the estimated volume (in cubic yards) that will be remediated	300

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 302015
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Sundance Services, Inc [fKJ1600527371]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to 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.

I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 01/10/2024
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 302015

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 302015
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	No
--	----

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QUESTIONS, Page 6

Action 302015

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 302015
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 302015

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 302015
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	3/12/2024