Apache

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

October 25, 2019

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

RE: 2RP-1236 Washington 33 Battery

Mr. Billings,

In compliance with 19.15.29.15(B) NMAC and the agreement submitted by Apache Corporation on November 8, 2018, Apache Corporation is submitting information related to closure for the release occurring July 11, 2012. Apache is respectfully submitting the closure report based on studies occurring in 2019 that demonstrate the site meeting the requirements of the agency. Unless further information is requested by NMOCD, Apache Corporation considers this release closed.

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

Sincerely,

David Feather
Environmental Supervisor
Apache Corporation - Permian Basin Region

Attachment: Closure Report Dated October 24, 2019

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Closure Request

TRINITY OILFIELD SERVICES

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

Site Name: Washington 33 Battery **NMOCD Reference#:** 2RP-1236

Surface Owner: US Bureau of Land Management **Mineral Owner:** US Bureau of Land Management

Unit Letter: G (SW/NE) **Section:** 33 **Township:** 17S **Range:** 28E **County:** Eddy **GPS Coordinates:** 32.791246 N -104.181415 W

Date/Time of Release: 7/11/2012 **Type of Release:** ☑ Crude Oil ☑ Produced Water

Volume(s) Released: 60 bbls (total fluid) **Volume(s) Recovered:** 55 bbls

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

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

Background Information:

On July 11, 2012, Apache Corporation discovered a release at the Washington 33 Battery. A power failure precipitated shut-down of the on-site transfer pumps, causing the storage tanks to overflow, and resulting in the release of approximately 60 barrels (bbls) of a mixture of crude oil and produced water. The spill breached the containment berm surrounding the tank battery, but did not leave the location. During initial response activities, power to the transfer pumps was restored, and a vacuum truck was utilized to recover approximately 55 bbls of free-standing liquid.

The release was immediately reported to the New Mexico Oil Conservation Division's (NMOCD) Hobbs District Office. The NMOCD "Release Notification & Corrective Action" form (C-141) is provided as Appendix A. A "Site Location Map" is provided as Figure 1.

At some point following the release, additional remediation of the affected area took place. However, no extant documentation or work records of such activities could be located. In addition, no records or analytical results from soil sampling could be obtained from Cardinal Laboratories in Hobbs, New Mexico, as the Environmental Protection Agency's (EPA) mandated time period for record retention has elapsed.

On August 13, 2019, Apache requested Trinity Oilfield Services & Rentals, LLC (Trinity), assume remediation activities at the release site.

Summary of Field Activities:

On August 20, 2019, representatives of Trinity conducted a sampling event to assess the current state of the site. A hand auger was utilized to advance a series of 3 boreholes (SP-1 through SP-3) in the inferred impacted area to investigate the extent of impacted soil. The boreholes were advanced to total depths of 2 feet below ground surface (bgs). Soil samples were collected at ground surface and 1-foot vertical intervals from each location, and confirmation samples were submitted to Cardinal Laboratories for analysis of chloride, total petroleum hydrocarbons (TPH), and/or benzene, toluene, ethylbenzene, and total xylene (BTEX) concentrations using EPA Methods 4500-Cl B, SW 846-8015 Mod, and SW 846-8021B, respectively.

Laboratory analytical results indicated TPH and BTEX constituent concentrations were below the laboratory method detection limit (MDL) in all submitted soil samples, with the exception of samples SP-1 @ 1' and SP-1 @ 2', which exhibited TPH concentrations of 443 mg/kg and 606 mg/kg, respectively. Chloride concentrations ranged from 64.0 mg/kg in sample SP-1 @ Surface to 4,800 mg/kg in soil sample SP-2 @ Surface.

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

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Closure Request

Site Closure Request:

Soil samples collected from the inferred impacted area were analyzed by an NMOCD-approved laboratory, and concentrations of chloride, TPH, and BTEX were below the Closure Criteria listed in Table I of Section 19.15.29.12 of the New Mexico Administrative Code (NMAC) for a site where depth to groundwater is greater than 100 feet bgs (see Appendix C, "Closure Criteria Justification", for more information). Based on these laboratory analytical results, the initial response and subsequent activities conducted at the site in 2012 were effective in remediating the release. Trinity, on behalf of Apache, hereby requests the NMOCD and Bureau of Land Management grant closure to the Washington 33 Battery release site.

Enclosures:

Figure 1: Site Location Map
Figure 2: Sample Location Map
Figure 3: Sample Location Map (Historical Aerial)
Table 1: Concentrations of Benzene, BTEX, TPH & Chloride in Soil
Appendix A: Release Notification & Corrective Action (Form C-141)
Appendix B: Photographs
Appendix C: Closure Criteria Justification
Appendix D: Laboratory Analytical Reports

10/24/2019
Ben J. Arguijo
Project Manager

Figures

Figure 1
Site Location Map
Apache Corporation
Washington 33 Battery
Eddy County, New Mexico
NMOCD Reference #: 2RP-1236

TRINITY OILFIELD SERVICES

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

Drawn By: BJA	Checked By: JEH
October 24, 2019	Scale: 1" = 0.5mi

Legend

- Auger Hole

Figure 2
Sample Location Map
Apache Corporation
Washington 33 Battery
Eddy County, New Mexico
NMOCD Reference #: 2RP-1236

TRINITY OILFIELD SERVICES

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

Drawn By: BJA	Checked By: JEH
October 24, 2019	Scale: 1" = 60'

Legend

- Auger Hole

Figure 3
Sample Location Map (Historical Aerial)
Apache Corporation
Washington 33 Battery
Eddy County, New Mexico
NMOCD Reference #: 2RP-1236

TRINITY OILFIELD SERVICES

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

Drawn By: BJA	Checked By: JEH
October 24, 2019	Scale: 1" = 80'

Tables

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

APACHE CORPORATION
WASHINGTON 33 BATTERY
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-1236

TRINITY OILFIELD SERVICES

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	EPA SW-846 Method 8021B					EPA SW-846 Method 8015M					4500-Cl B
				BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	GRO+ DRO (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMOCD Closure Limits (mg/kg)				10	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000
SP-1 @ Surface	Surface	8/20/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP-1 @ 1'	1'	8/20/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	335	335	108	443	80.0
SP-1 @ 2'	2'	8/20/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	462	462	144	606	112
SP-2 @ Surface	Surface	8/20/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,800
SP-2 @ 1'	1'	8/20/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SP-2 @ 2'	2'	8/20/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP-3 @ Surface	Surface	8/20/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,200
SP-3 @ 1'	1'	8/20/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,060
SP-3 @ 2'	2'	8/20/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,920

NE = Not Established
- = Not Analyzed
Concentrations in BOLD exceed the NMOCD Closure Limit

Appendices

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

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nJMW1221437921

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Apache Corporation 873	Contact Natalie Gladden
Address PO Box 1849 Eunice, NM 88231	Telephone No. 575-390-4186
Facility Name Washington 33 Battery (Washington 33 #36)	Facility Type Production Facility

Surface Owner BLM	Mineral Owner	API No. 30-015-39886

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	33	17S	28E	2310	FNL	1650	FEL	Eddy

Latitude_____ Longitude_____

NATURE OF RELEASE

Type of Release Oil/Produced Water	Volume of Release 60	Volume Recovered 55
Source of Release Electrical Power Failure	Date and Hour of Occurrence 07/11/12	Date and Hour of Discovery 07/11/12
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Natalie Gladden	Date and Hour 07/11/12 429PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

RECEIVED
JUL 19 2012
NMOCD ARTESIA

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Main power was shut off to the drive that controls the transfer pumps that dispose of the water, causing the tanks to overflow.

Describe Area Affected and Cleanup Action Taken.*
Vacuum truck was dispatched to recover standing fluid and one-call was placed. A new alarm system has been installed. NMOCD Regulations will be followed to closure.

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

Signature: Natalie Gladden

Printed Name: Natalie Gladden

Title: EHS Environmental Tech

E-mail Address: natalie.gladden@apachecorp.com

Date: 07/16/12 Phone: 575-390-4186

OIL CONSERVATION DIVISION
Signed By

Approved by Environmental Specialist:

Approval Date: AUG 01 2012 Expiration Date:

Conditions of Approval:

Attached ☐

Attach Additional Sheets If Necessary

Remediation per OCD Rules & Guidelines. **SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:** 9/1/12

2RP-1236

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	135 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Bruce Baker Title: Environmental Tech SR.

Signature: Bruce Baker Date: 10-25-19

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

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nJMW1221437921
District RP	
Facility ID	
Application ID	

Closure

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

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

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

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

Printed Name: Bruce Baker Title: Environmental Tech. SR

Signature: Bruce Baker Date: 10-25-19

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Bradford Billings Date: 07/12/2021

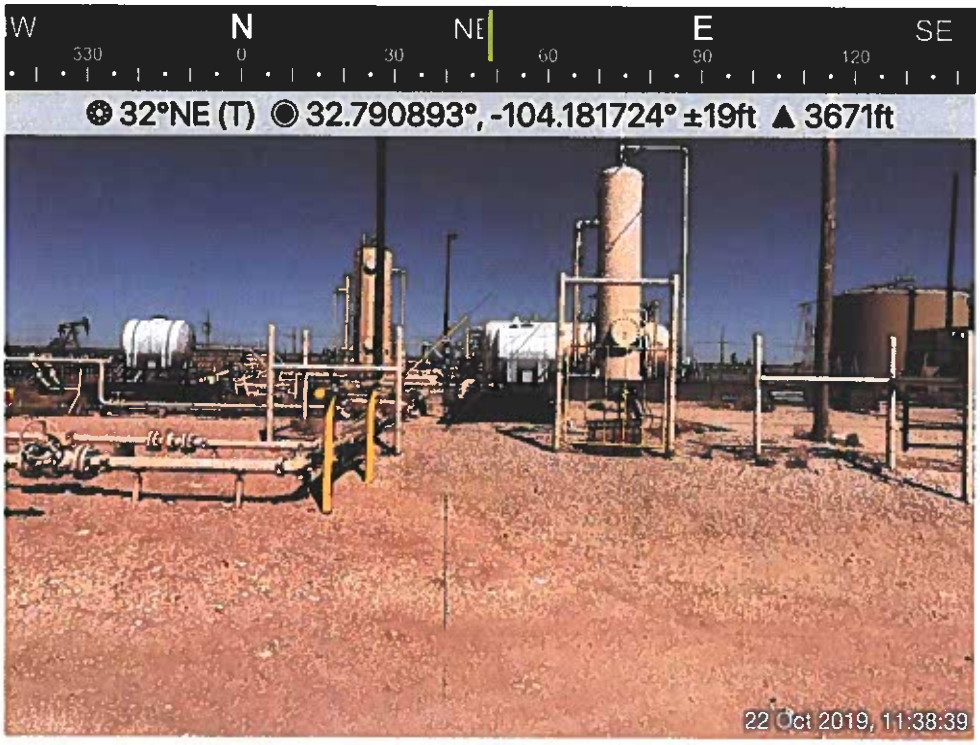
Printed Name: Bradford Billings Title: Env.Spec.A

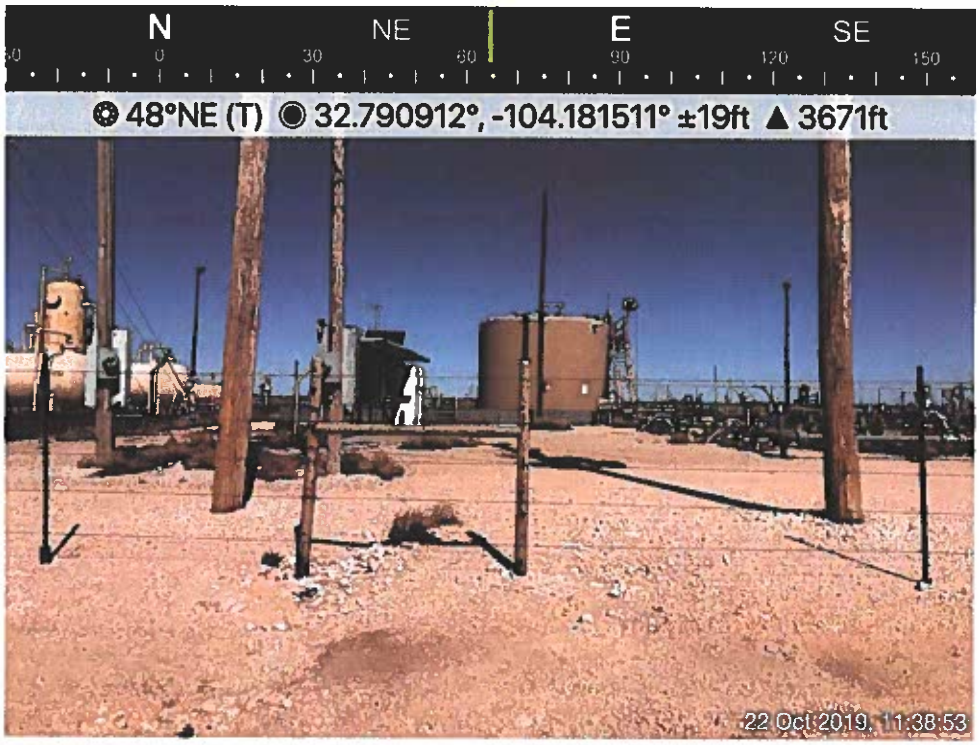
Appendix B

Photographs

Apache Corporation – Washington 33 Battery

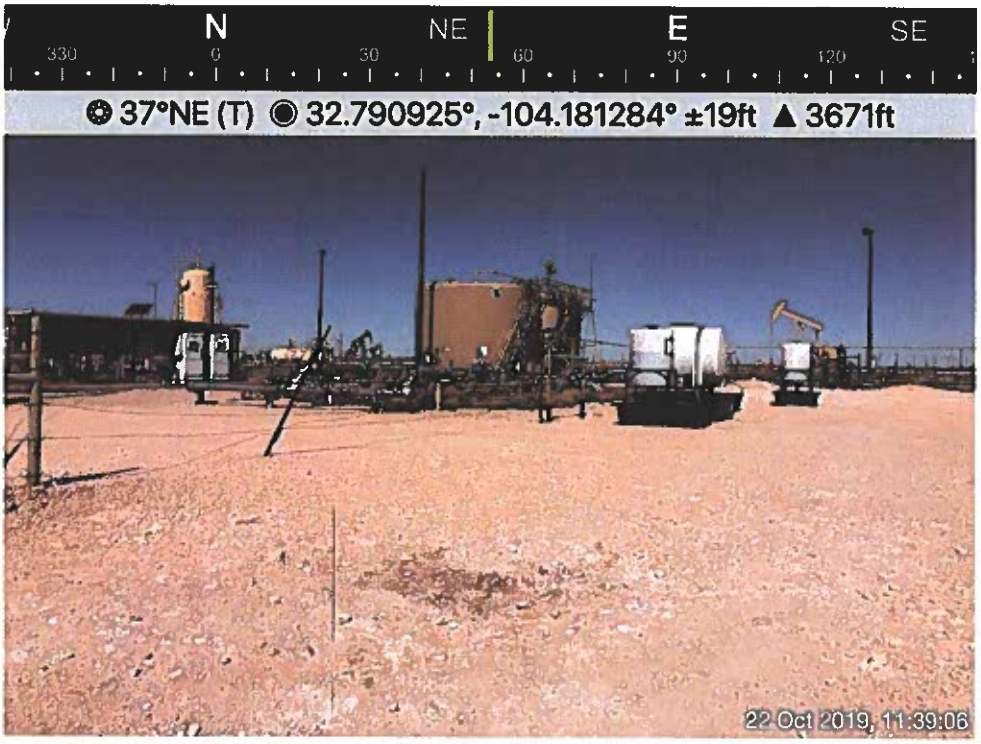
Unit Letter "G" (SW/NE), Section 33, Township 17S, Range 28E

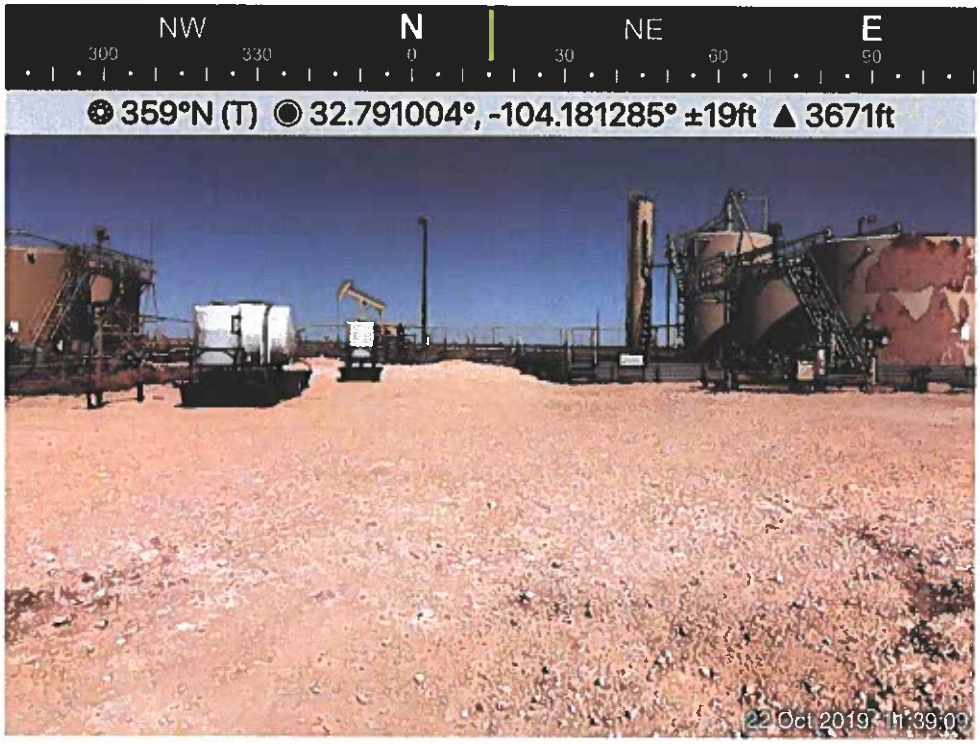




Apache Corporation – Washington 33 Battery

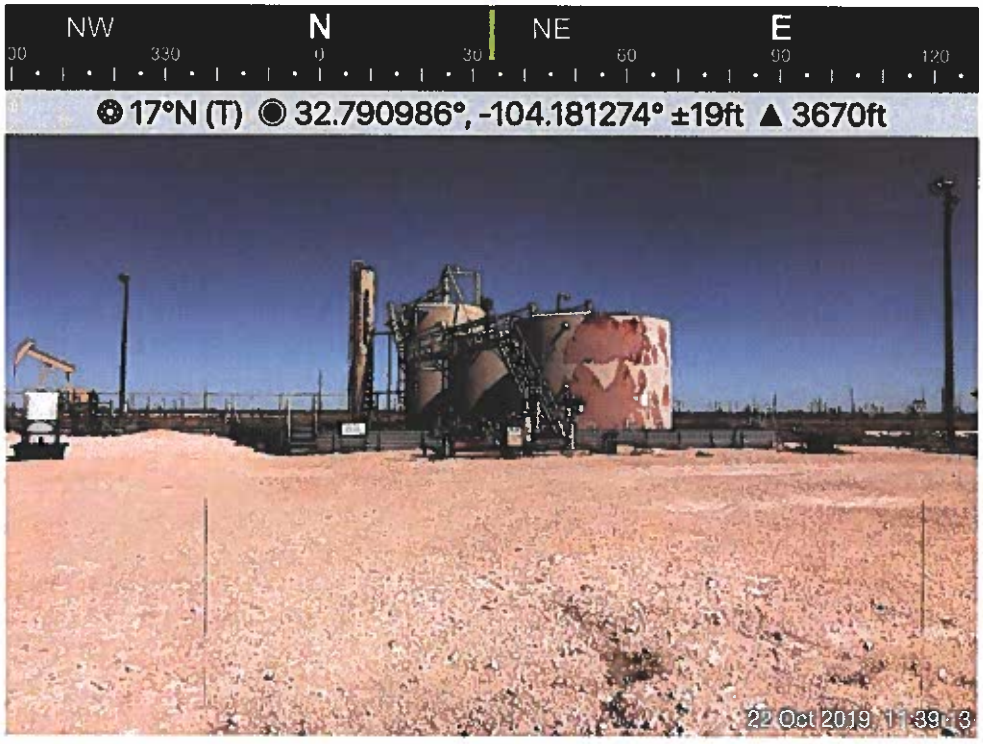
Unit Letter "G" (SW/NE), Section 33, Township 17S, Range 28E

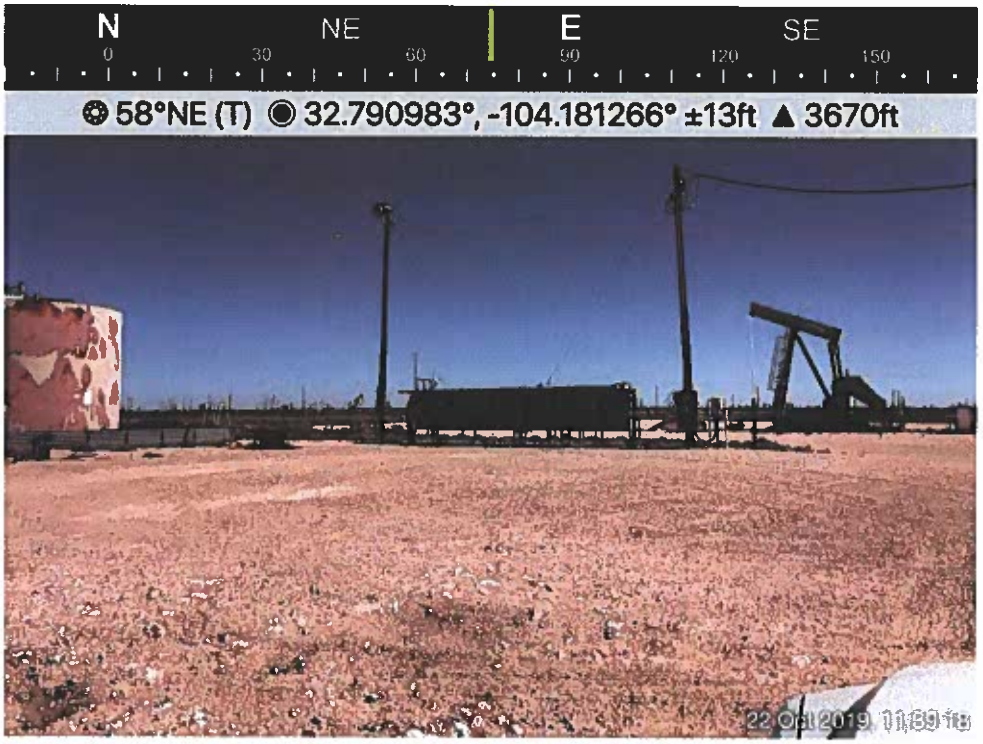




Apache Corporation – Washington 33 Battery

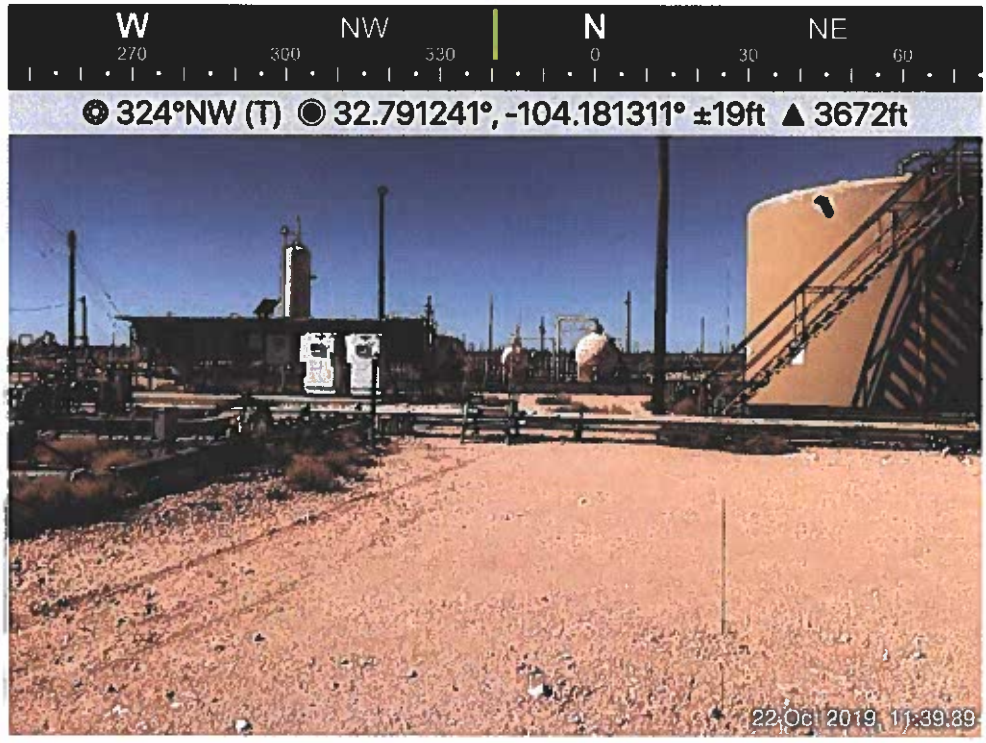
Unit Letter "G" (SW/NE), Section 33, Township 17S, Range 28E

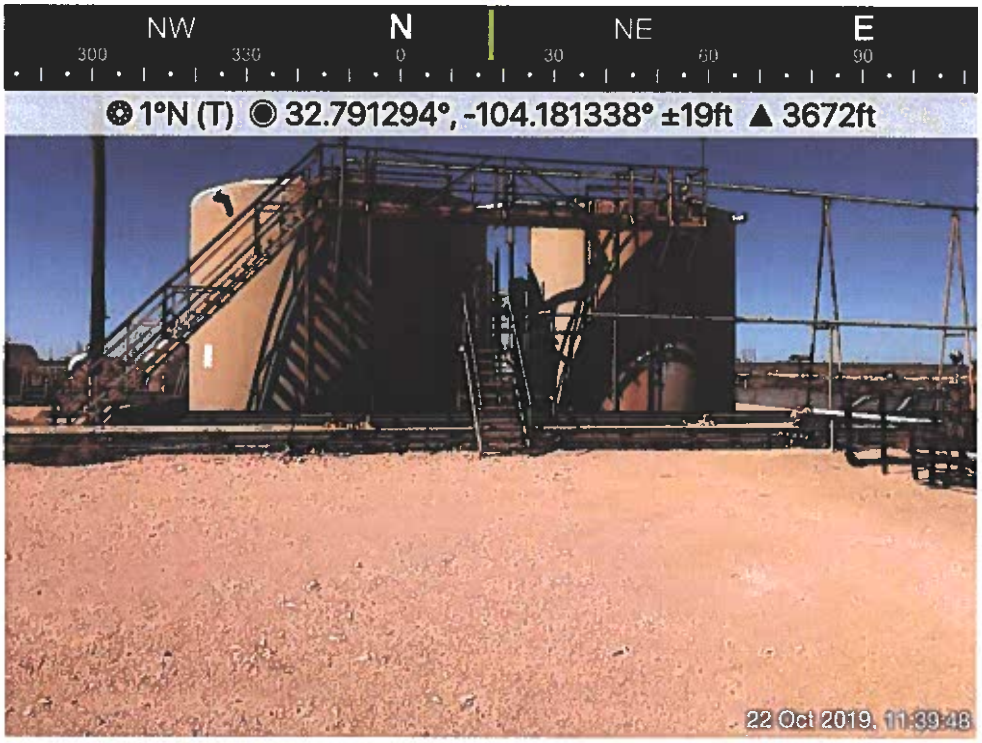




Apache Corporation – Washington 33 Battery

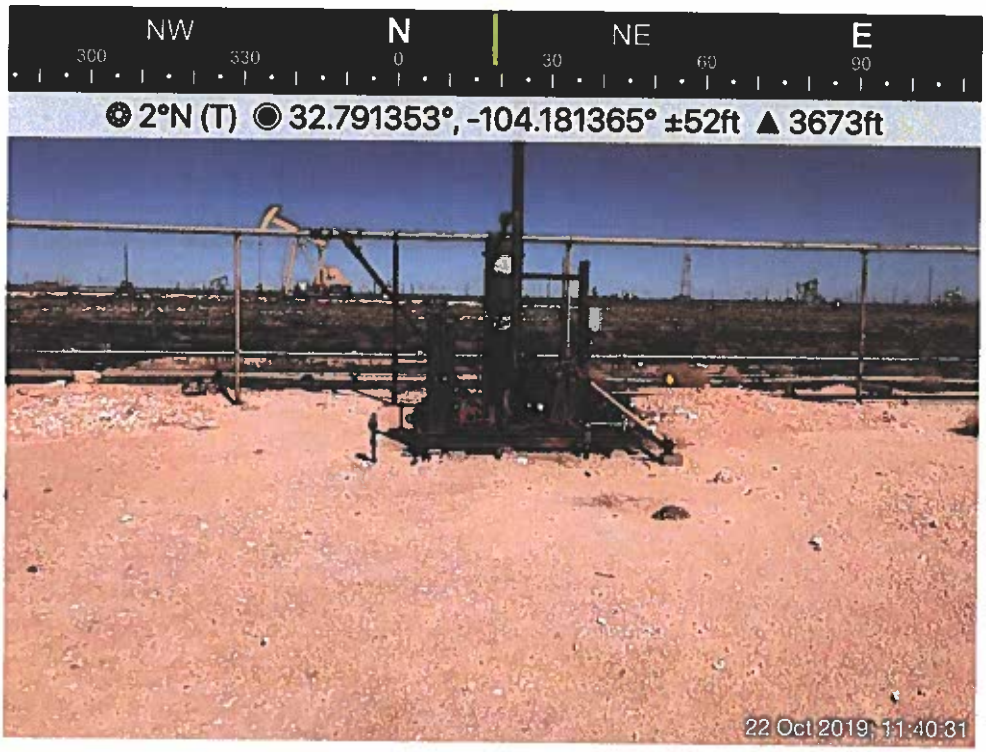
Unit Letter "G" (SW/NE), Section 33, Township 17S, Range 28E





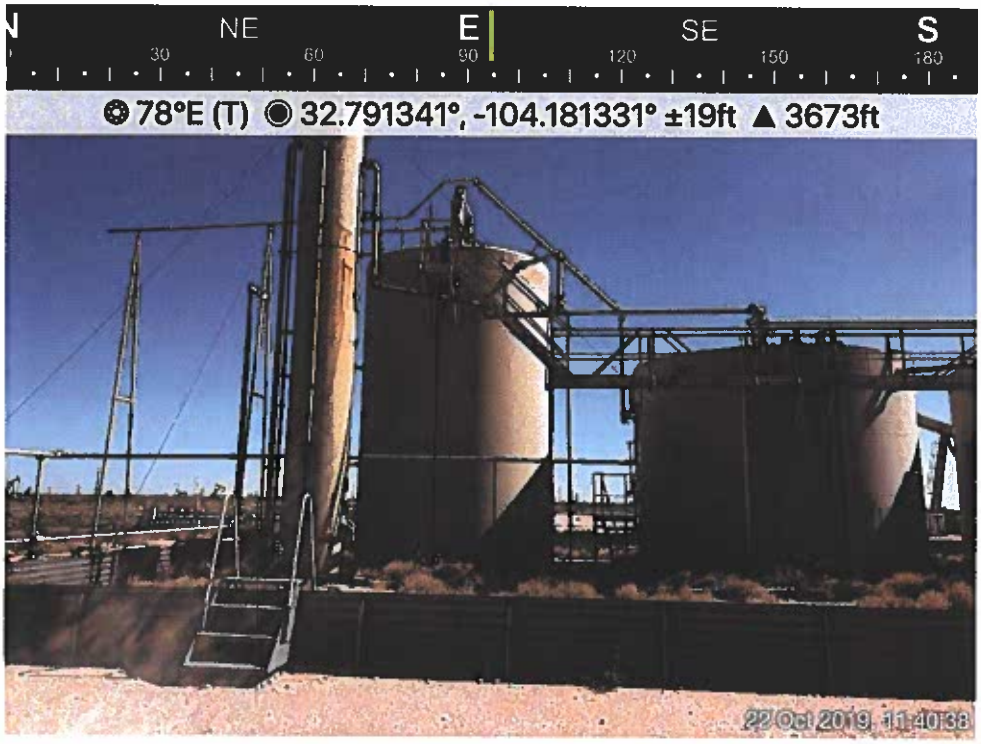
Apache Corporation – Washington 33 Battery

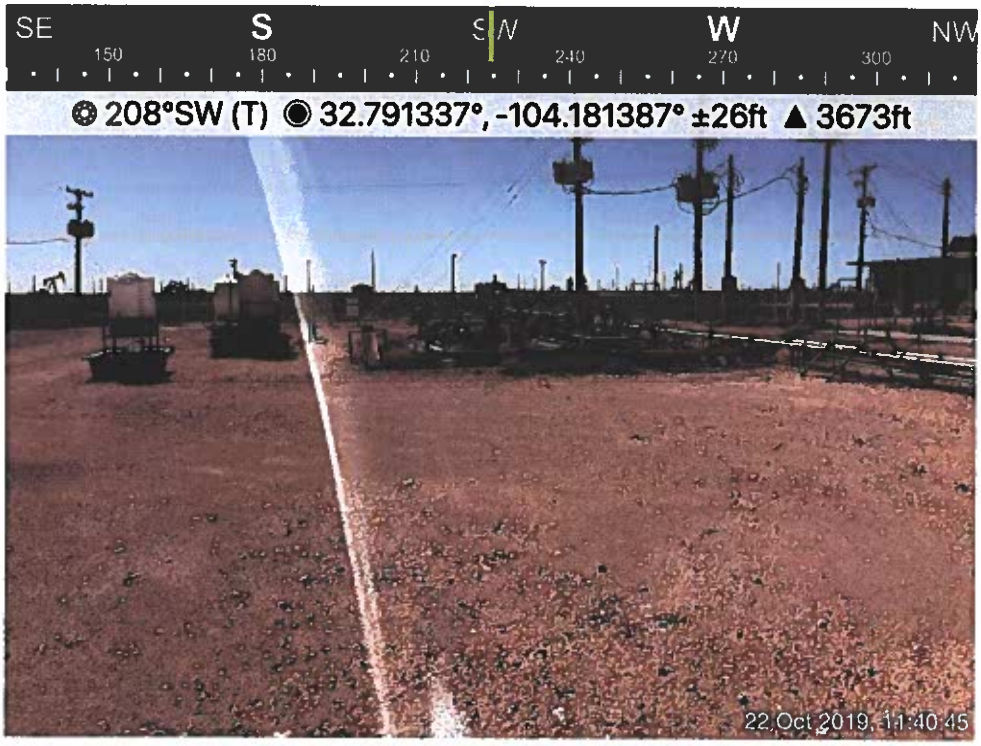
Unit Letter "G" (SW/NE), Section 33, Township 17S, Range 28E



Apache Corporation – Washington 33 Battery

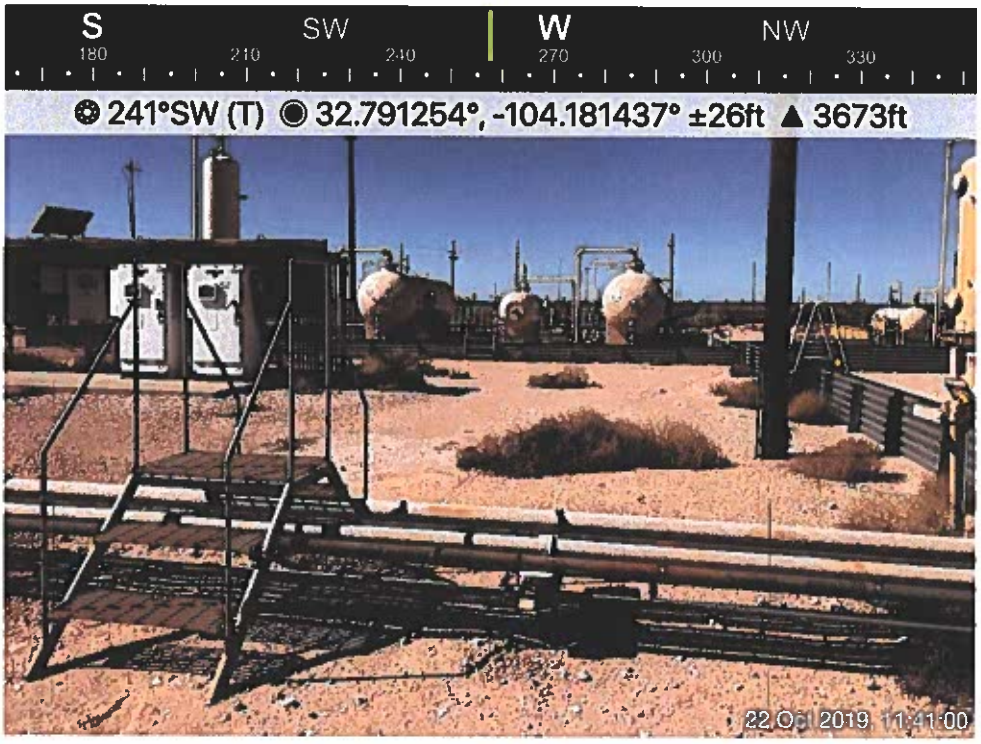
Unit Letter "G" (SW/NE), Section 33, Township 17S, Range 28E

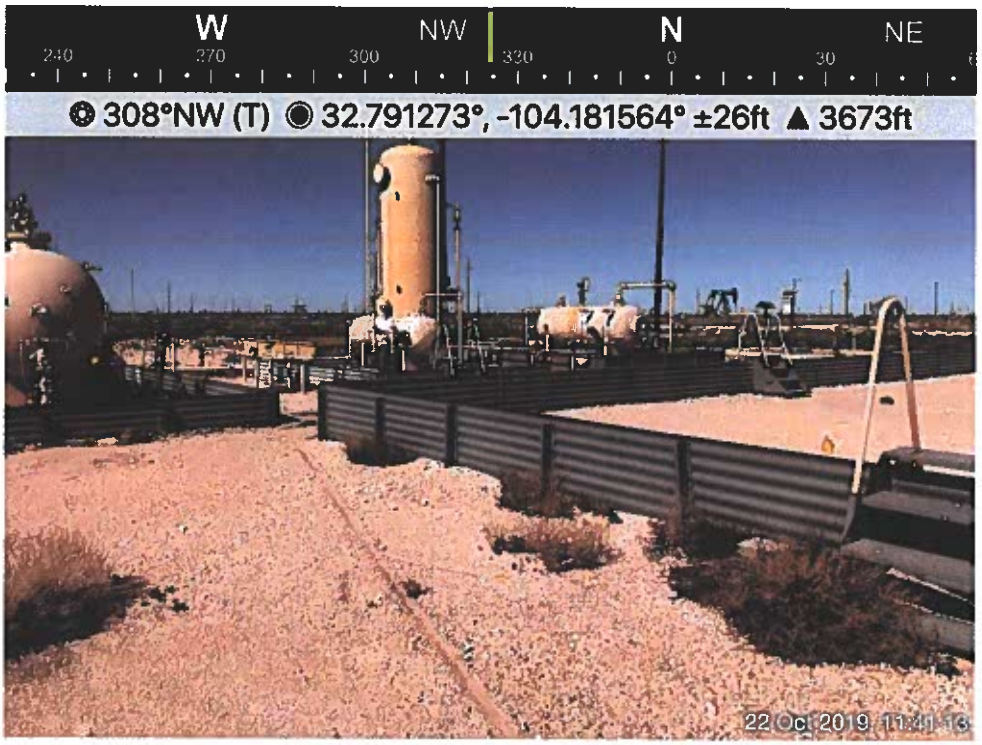




Apache Corporation – Washington 33 Battery

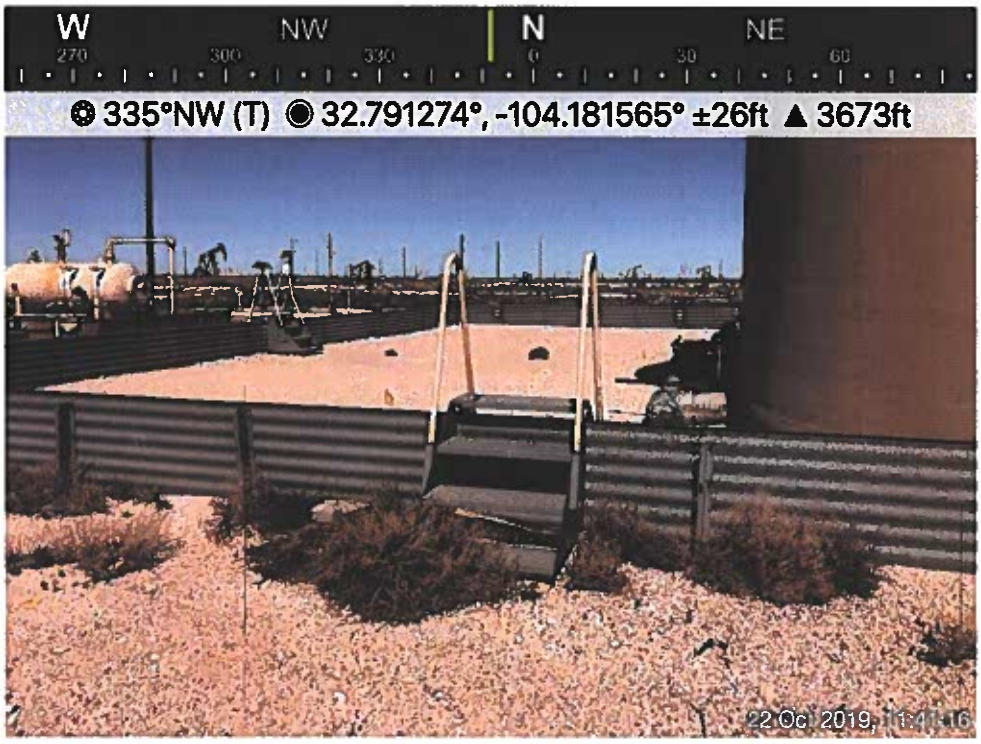
Unit Letter "G" (SW/NE), Section 33, Township 17S, Range 28E





Apache Corporation – Washington 33 Battery

Unit Letter "G" (SW/NE), Section 33, Township 17S, Range 28E



Apache Corporation – Washington 33 Battery

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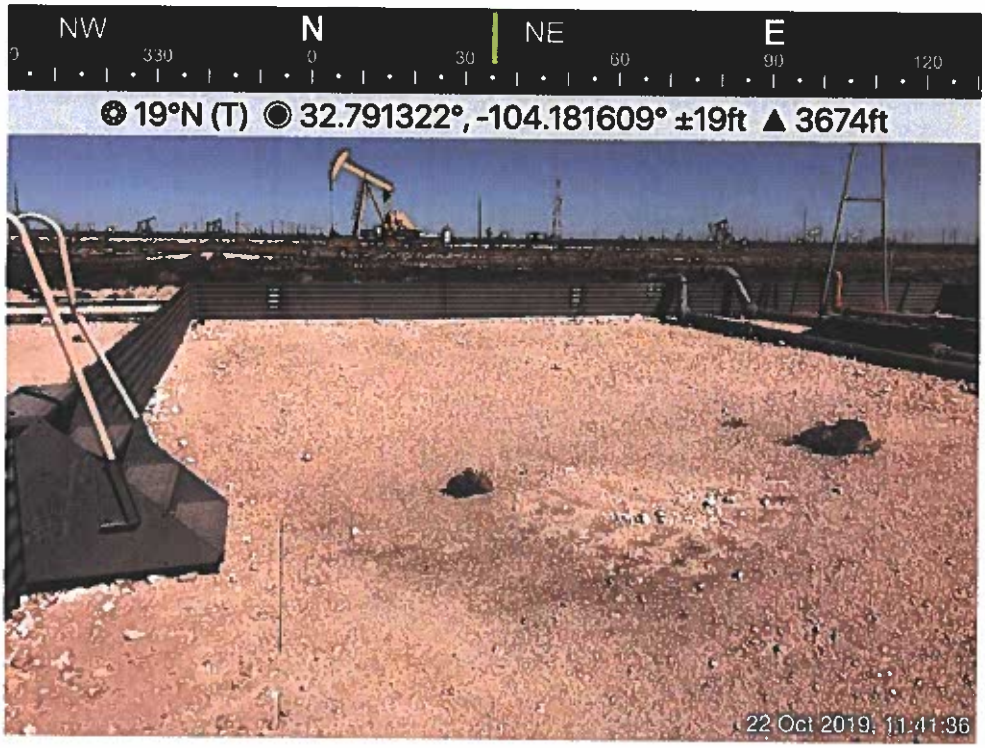


Appendix C

Closure Criteria Justification

TABLE 3
CLOSURE CRITERIA JUSTIFICATION

APACHE CORPORATION
WASHINGTON 33 BATTERY
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-1236

TRINITY
OILFIELD SERVICES

Groundwater, Water Wells & Other Water Sources	
Depth to groundwater (ft)?	135 - 140
Horizontal distance (ft) from all water sources within 0.5 miles?	N/A
Within 500' of a spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No
Within 1000' of any fresh water well or spring?	No
Surface Water	
Horizontal distance (ft) to nearest significant watercourse?	>1,000
Within 300' of any continuously flowing watercourse or any other significant watercourse?	No
Within 200' of any lakebed, sinkhole or playa lake?	No
Human-Occupied, Environmental & Other Areas	
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No
Within 300' of an occupied permanent residence, school, hospital, institution or church?	No
Within 300' of a wetland?	No
Within the area overlying a subsurface mine?	No
Within an unstable area?	No
Within a 100-year floodplain?	No

Closure Criteria (mg/kg)*				
Benzene	BTEX	GRO + DRO	TPH	Chloride
10	50	1,000	2,500	20,000

*Numerical limits or natural background level, whichever is greater

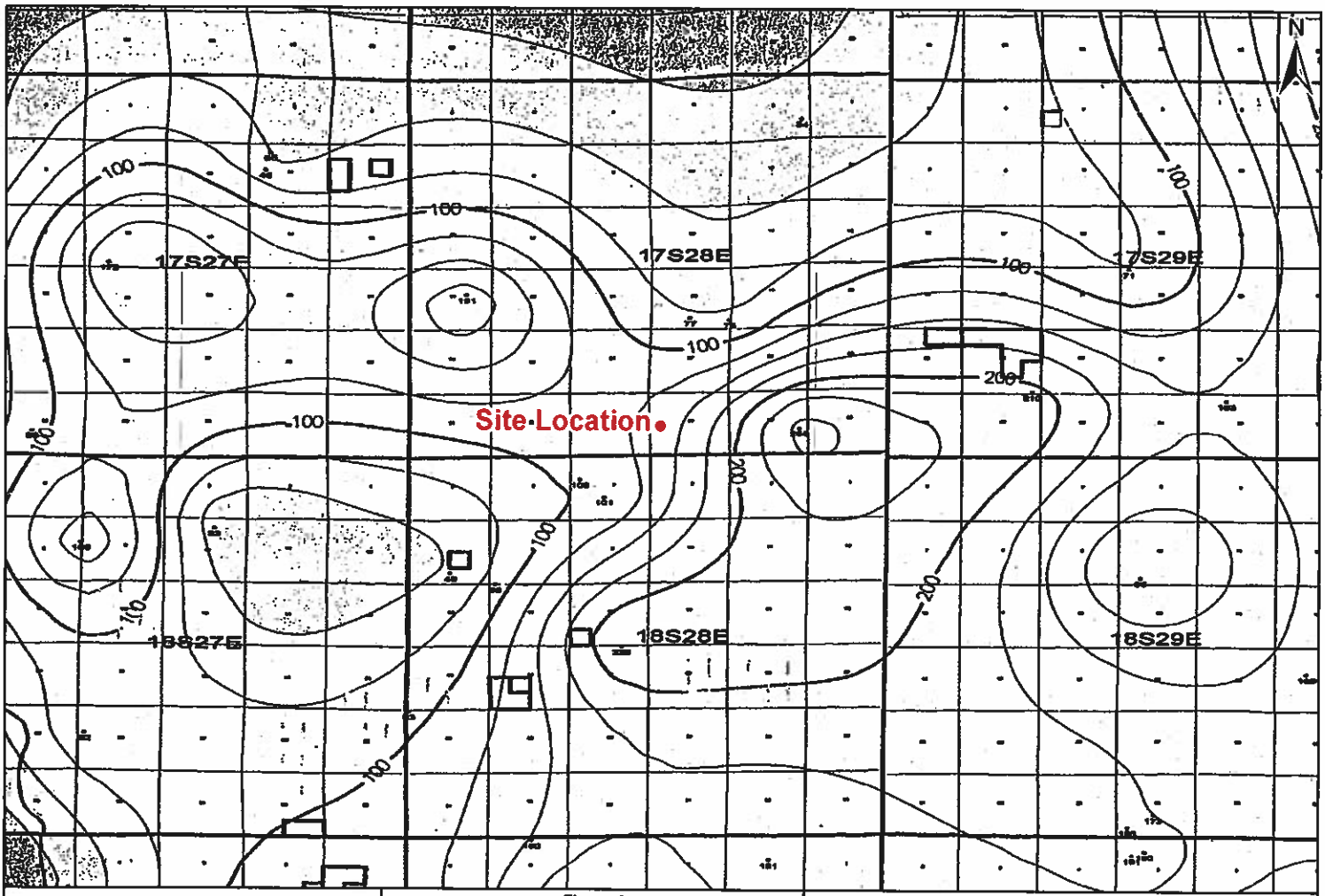
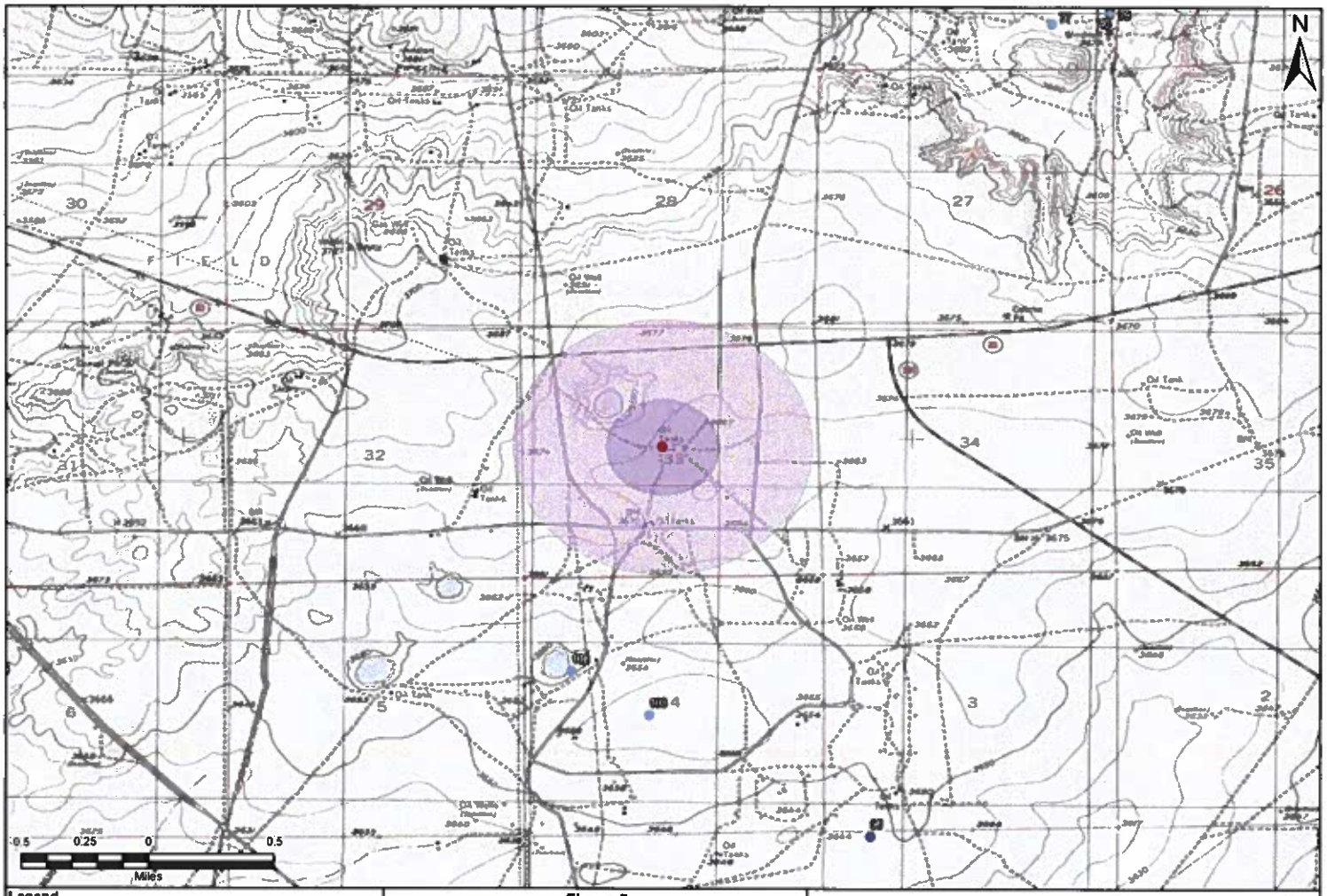


Figure 4
Depth-to-Groundwater Trend Map
Apache Corporation
Washington 33 Battery
Eddy County, New Mexico
NMOCD Reference #: 2RP-1236

TRINITY OILFIELD SERVICES

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

Drawn By: BJA	Checked By: JEH
October 24, 2019	Scale: 1" = 2mi



Legend

- 1,000-ft Radius
- 0.5-mi Radius
- FEMA 100-Year Flood Zone
- Site Location
- NMOSE Depth to Water (ft)
- USGS Depth to Water (ft)

Figure 5
Vicinity & Wellhead Protection Area Map
Apache Corporation
Washington 33 Battery
Eddy County, New Mexico
NMOCD Reference #: 2RP-1236

TRINITY OILFIELD SERVICES

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

Drawn By: BJA	Checked By: JEH
October 24, 2019	Scale: 1" = 0.5mi

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

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 576649.45 Northing (Y): 3628441.39 Radius: 804.67 (0.5 miles)

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

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 576649.45 **Northing (Y):** 3628441.39 **Radius:** 1610 (1 mile)

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

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 11857 POD1	RA	ED	1	1	2	05	18S	26E	577784	3625988	2702	235	95	140

Average Depth to Water: **95 feet**

Minimum Depth: **95 feet**

Maximum Depth: **95 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 576649.45 **Northing (Y):** 3628441.39 **Radius:** 3218.7 (2 miles)

Appendix D

Laboratory Analytical Reports

CARDINAL Laboratories

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

August 26, 2019

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WASHINGTON 33 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/20/19 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/20/2019	Sampling Date:	08/20/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WASHINGTON 33 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP -1 @ SURFACE (H902857-01)

BTEX 8021B mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2019	ND	1.85	92.3	2.00	1.65	
Toluene*	<0.050	0.050	08/21/2019	ND	1.99	99.3	2.00	2.00	
Ethylbenzene*	<0.050	0.050	08/21/2019	ND	2.11	105	2.00	1.14	
Total Xylenes*	<0.150	0.150	08/21/2019	ND	6.26	104	6.00	1.39	
Total BTEX	<0.300	0.300	08/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.3 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/21/2019	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	205	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	08/22/2019	ND	195	97.4	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/22/2019	ND					

Surrogate: 1-Chlorooctane *92.0 %* *41-142*

Surrogate: 1-Chlorooctadecane *97.8 %* *37.6-147*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/20/2019	Sampling Date:	08/20/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WASHINGTON 33 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP -1 @ 1 (H902857-02)

BTEX 8021B mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2019	ND	1.85	92.3	2.00	1.65	
Toluene*	<0.050	0.050	08/21/2019	ND	1.99	99.3	2.00	2.00	
Ethylbenzene*	<0.050	0.050	08/21/2019	ND	2.11	105	2.00	1.14	
Total Xylenes*	<0.150	0.150	08/21/2019	ND	6.26	104	6.00	1.39	
Total BTEX	<0.300	0.300	08/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL *92.1 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/21/2019	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	205	102	200	3.65	
DRO >C10-C28*	**335**	10.0	08/22/2019	ND	195	97.4	200	2.93	
EXT DRO >C28-C36	**108**	10.0	08/22/2019	ND					

Surrogate: 1-Chlorooctane *95.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *112 %* *37.6-147*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/20/2019	Sampling Date:	08/20/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WASHINGTON 33 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP -1 @ 2 (H902857-03)

BTEX 8021B mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2019	ND	1.85	92.3	2.00	1.65	
Toluene*	<0.050	0.050	08/21/2019	ND	1.99	99.3	2.00	2.00	
Ethylbenzene*	<0.050	0.050	08/21/2019	ND	2.11	105	2.00	1.14	
Total Xylenes*	<0.150	0.150	08/21/2019	ND	6.26	104	6.00	1.39	
Total BTEX	<0.300	0.300	08/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.2 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	08/21/2019	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	205	102	200	3.65	
DRO >C10-C28*	**462**	10.0	08/22/2019	ND	195	97.4	200	2.93	
EXT DRO >C28-C36	**144**	10.0	08/22/2019	ND					

Surrogate: 1-Chlorooctane *99.0 %* *41-142*

Surrogate: 1-Chlorooctadecane *122 %* *37.6-147*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/20/2019	Sampling Date:	08/20/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WASHINGTON 33 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP -2 @ SURFACE (H902857-04)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2019	ND	1.85	92.3	2.00	1.65	
Toluene*	<0.050	0.050	08/21/2019	ND	1.99	99.3	2.00	2.00	
Ethylbenzene*	<0.050	0.050	08/21/2019	ND	2.11	105	2.00	1.14	
Total Xylenes*	<0.150	0.150	08/21/2019	ND	6.26	104	6.00	1.39	
Total BTEX	<0.300	0.300	08/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID 92.7 % 73.3-129

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4800**	16.0	08/21/2019	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	205	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	08/22/2019	ND	195	97.4	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/22/2019	ND					

Surrogate: 1-Chlorooctane 94.7 % 41-142

Surrogate: 1-Chlorooctadecane 99.3 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/20/2019	Sampling Date:	08/20/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WASHINGTON 33 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP -2 @ 1 (H902857-05)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2019	ND	1.85	92.3	2.00	1.65	
Toluene*	<0.050	0.050	08/21/2019	ND	1.99	99.3	2.00	2.00	
Ethylbenzene*	<0.050	0.050	08/21/2019	ND	2.11	105	2.00	1.14	
Total Xylenes*	<0.150	0.150	08/21/2019	ND	6.26	104	6.00	1.39	
Total BTEX	<0.300	0.300	08/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.6 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	08/21/2019	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	205	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	08/22/2019	ND	195	97.4	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/22/2019	ND					

Surrogate: 1-Chlorooctane *97.2 %* *41-142*

Surrogate: 1-Chlorooctadecane *102 %* *37.6-147*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/20/2019	Sampling Date:	08/20/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WASHINGTON 33 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP -2 @ 2 (H902857-06)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2019	ND	1.85	92.3	2.00	1.65	
Toluene*	<0.050	0.050	08/21/2019	ND	1.99	99.3	2.00	2.00	
Ethylbenzene*	<0.050	0.050	08/21/2019	ND	2.11	105	2.00	1.14	
Total Xylenes*	<0.150	0.150	08/21/2019	ND	6.26	104	6.00	1.39	
Total BTEX	<0.300	0.300	08/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL *93.9 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	08/21/2019	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	192	96.0	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/22/2019	ND	202	101	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	08/22/2019	ND					

Surrogate: 1-Chlorooctane *82.4 %* *41-142*

Surrogate: 1-Chlorooctadecane *82.6 %* *37.6-147*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/20/2019	Sampling Date:	08/20/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WASHINGTON 33 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP -3 @ SURFACE (H902857-07)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2019	ND	1.85	92.3	2.00	1.65	
Toluene*	<0.050	0.050	08/21/2019	ND	1.99	99.3	2.00	2.00	
Ethylbenzene*	<0.050	0.050	08/21/2019	ND	2.11	105	2.00	1.14	
Total Xylenes*	<0.150	0.150	08/21/2019	ND	6.26	104	6.00	1.39	
Total BTEX	<0.300	0.300	08/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL *93.4 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3200**	16.0	08/21/2019	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	192	96.0	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/22/2019	ND	202	101	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	08/22/2019	ND					

Surrogate: 1-Chlorooctane *72.4 %* *41-142*

Surrogate: 1-Chlorooctadecane *72.1 %* *37.6-147*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/20/2019	Sampling Date:	08/20/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WASHINGTON 33 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP -3 @ 1 (H902857-08)

BTEX 8021B mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2019	ND	1.85	92.3	2.00	1.65	
Toluene*	<0.050	0.050	08/21/2019	ND	1.99	99.3	2.00	2.00	
Ethylbenzene*	<0.050	0.050	08/21/2019	ND	2.11	105	2.00	1.14	
Total Xylenes*	<0.150	0.150	08/21/2019	ND	6.26	104	6.00	1.39	
Total BTEX	<0.300	0.300	08/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL *91.7 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1060**	16.0	08/21/2019	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	192	96.0	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/22/2019	ND	202	101	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	08/22/2019	ND					

Surrogate: 1-Chlorooctane *69.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *72.2 %* *37.6-147*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/20/2019	Sampling Date:	08/20/2019
Reported:	08/26/2019	Sampling Type:	Soil
Project Name:	WASHINGTON 33 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: SP -3 @ 2 (H902857-09)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2019	ND	1.85	92.3	2.00	1.65	
Toluene*	<0.050	0.050	08/21/2019	ND	1.99	99.3	2.00	2.00	
Ethylbenzene*	<0.050	0.050	08/21/2019	ND	2.11	105	2.00	1.14	
Total Xylenes*	<0.150	0.150	08/21/2019	ND	6.26	104	6.00	1.39	
Total BTEX	<0.300	0.300	08/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1920**	16.0	08/21/2019	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2019	ND	192	96.0	200	2.08	
DRO >C10-C28*	<10.0	10.0	08/22/2019	ND	202	101	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	08/22/2019	ND					

Surrogate: 1-Chlorooctane *81.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *82.7 %* *37.6-147*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Apache	BILL TO	
Project Manager:	Bruce Baker	P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	Washington 33 Battery	State: Zip:	
Project Location:	Washington 33 Battery	Phone #:	
Sampler Name:	Daniel Rasler	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CL	EXT.TPH	BTEX
H902857																	
1	SP-1 Surface												8/20/19		✓	✓	✓
2	SP-1 @ 1														✓	✓	✓
3	SP-1 @ 2														✓	✓	✓
4	SP-2 @ Surface														✓	✓	✓
5	SP-2 @ 1														✓	✓	✓
6	SP-2 @ 2														✓	✓	✓
7	SP-3 Surface														✓	✓	✓
8	SP-3 @ 1														✓	✓	✓
9	SP-3 @ 2												8/20/19		✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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:	Date: 8/20/19	Received By:	Phone Result:	☐ Yes	☐ No
	Time: 16:40		Fax Result:	☐ Yes	☐ No
Relinquished By:	Date:	Received By:	REMARKS: Email to Bruce and Jeff		
	Time:				
Delivered By: (Circle One)	3.4° #97	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	Corrected 3.8°		TD		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 2111
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	In future, trend maps for DTW on site will not be sufficient in and of themselves for DTW	7/12/2021