



September 16, 2020

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

RE: 1RP-4172 NMGSAU 1815

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 February 27, 2014. Apache is respectfully submitting the closure report based on remediation and studies occurring in 2014 that demonstrate the site meeting the requirements of the agency. Unless further information is requested by NMOCD, Apache Corporation considers this release closed.

If there are any questions, please feel free to contact me by telephone at 432-631-6982 or by e-mail at larry.baker@apachecorp.com.

Sincerely,

A handwritten signature in black ink that reads "Larry Baker". The signature is written in a cursive, flowing style.

Larry Baker
Environmental Technician SR.
Apache Corporation

Attachment: Closure Report Dated September 16, 2020



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

September 16, 2020

Re: NMGSAU 1815

Case: 1RP-4172

On 2/27/2014 a release occurred due to a contractor for another company was ditching to install a new gas line and struck the fiberglass line resulting in the loss of fluid. The fluid from the release was all contained in the ditch line except for a small area of overspray. The release (GPS: 32.596817, -103.32373) is located south of Monument, New Mexico in unit letter O section 2 township 20S range 36E. According to the NMOSE wells of record the nearest well suggest ground water beneath the release is 30 feet.

Due to the release in an area with shallow ground water and the circumstances of a new gas line being installed in the ditch line the remediation was started immediately. A vacuum truck was dispatched to pick up the fluid in the ditch line. The wet area was excavated to 14.5 feet below ground surface. Vertical delineation was conducted on the east side of the ditch line utilizing a track-hoe. Samples were collected in one foot intervals to a depth of 20 feet and all samples were submitted to a commercial laboratory for analysis of chloride. Laboratory results were below 250 chloride at 19 feet. A 3 point bottom composite was submitted to a commercial laboratory for analysis of chloride and TPH. A meeting was scheduled with OCD District 1 representative and after reviewing the data agreed to a clay liner being installed at a depth of 14.5 feet below ground surface. All excavated material was hauled to an OCD approved facility. The excavation was backfilled with clean imported soil to ground surface.

Apache Corporation assumption was that this matter was resolved with the submittal of a C-141 that was checked initial and final. Enclosed is data that hopefully resolves the issue and Apache Corporation respectfully request closure of event # 1RP-4172

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

Submitted by;

Bruce Baker

Environmental Technician

larry.baker@apachecorp.com

Cell# 432-631-6982

Off# 575-393-7106

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

HOBBS OCD

Form C-141
Revised August 8, 2011

MAR 13 2014
Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company Apache Corporation	Contact Bruce Baker
Address 8 Ellison Lane Eunice, NM	Telephone No. 432-631-6982
Facility Name NMGSAU 1815	Facility Type Injection Well

Surface Owner Byrd	Mineral Owner	API No. 30-025-04156
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LOCATION OF RELEASE

Unit Letter SW/NE	Section 2	Township 20S	Range 36E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced water	Volume of Release Unknown	Volume Recovered 130 barrels
Source of Release Fiber glass injection line	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Bruce Baker	Date and Hour 2-27-14 at 7:40 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A contractor for another company was ditching and struck the fiberglass line. The line was shut in and flanged.

Describe Area Affected and Cleanup Action Taken.*

The majority of the release was contained to the ditch line and a small area of spray in the pasture. A vacuum truck was dispatched to pick up fluid. The wet area was excavated to 14.5 feet below ground surface. A vertical was excavated to 20 feet below ground surface in the east side of ditch line. Samples were collected in one foot intervals and were sent to a commercial laboratory for analysis. A composite sample was taken of the bottom at 14.5 feet and was sent to a commercial laboratory for analysis. The laboratory results confirmed a chloride value of less than 250 ppm at 19 feet. The bottom composite at 14.5 feet was 256 chloride and <10 total TPH. A one foot clay barrier was installed at 14.5 feet west of the vertical and site was backfilled to pipeline depth. All excavated soil was placed on plastic and will be hauled to an NMOCD approved facility.

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.

OIL CONSERVATION DIVISION

Signature: <u>Bruce Baker</u>	Approved by Approval Date Conditions of ... <u>2/8/16</u>
Printed Name: Bruce Baker	
Title: Environmental Technician	
E-mail Address: larry.baker@apachecorp.com	
Date: 3/13/2014	Phone: (432) 631-6982

APPROVED

188 4172

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>30</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

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 Tech SR.
Signature: Larry Baker Date: 9/16/2020
email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Larry Baker

Title: Environmental Tech SR.

Signature: Larry Baker

Date: 9/16/2020

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: Brittany Hall

Date: 1/24/2023

Printed Name: Brittany Hall

Title: Environmental Specialist



Esri World Geocoder

32°35'48.541"N 103°

19'22.325"W

L-05766-X4

L-05766-X5

L-05766-X8

L-03188

L-12993-POD9

L-14378-POD12

L-14378-POD10

L-14378-POD9

L-14378-POD8

L-05766-X3

L-05766-X2

L-05766-X7

L-05766-X6

Search result

32°35'48.541"N 103°19'22.325"W

[Zoom to](#)

Co Rd 46

Maddox Rd

Byrd Ranch Ln

L-10160-S2

L-13524-POD1




1:9027



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
NA	L 14378 POD6	1	4	3	01	20S	36E	658461	3607926 

Driller License:	1757	Driller Company:	ENVIROTECH DRILLING SERVICES LLC						
Driller Name:	DAVID DRAYBUCK								
Drill Start Date:	10/03/2018	Drill Finish Date:	10/03/2018			Plug Date:			
Log File Date:	01/08/2019	PCW Rcv Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:	4.00	Depth Well:	45 feet			Depth Water:		30 feet	

Water Bearing Stratifications:		Top	Bottom	Description
		30	35	Other/Unknown
		35	40	Other/Unknown
		40	45	Other/Unknown

Casing Perforations:		Top	Bottom
		30	45

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.

9/16/20 9:26 AM

POINT OF DIVERSION SUMMARY

Radius

Coordinates

Buffer Size (miles) : 0.5

Click Map to Draw Radius

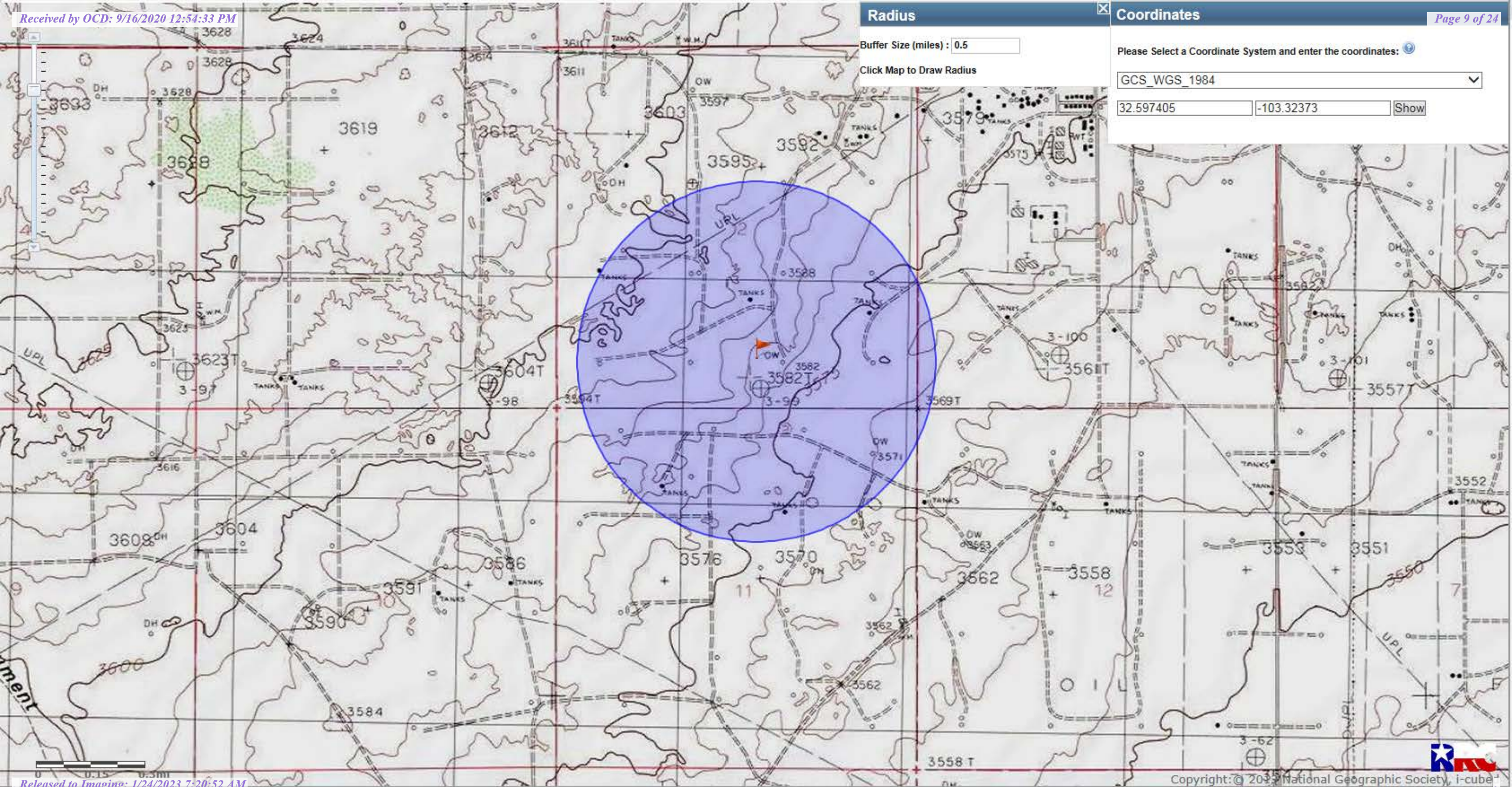
Please Select a Coordinate System and enter the coordinates:

GCS_WGS_1984

32.597405

-103.32373

Show



Sample Date	Sample ID	Depth	Chloride	GRO	DRO
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2/28/2014	Vert 1	15'	800		
		16'	848		
		17'	800		
		18'	800		
		19'	112		
		20'	112		
2/28/2014	3Pt. Comp	14'	256	<10.0	<10.0



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

March 03, 2014

BRUCE BAKER

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: NMGSAU #1815

Enclosed are the results of analyses for samples received by the laboratory on 02/28/14 12:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

APACHE - EUNICE
 BRUCE BAKER
 P. O. BOX 1849
 EUNICE NM, 88231
 Fax To: 394-2425

Received: 02/28/2014
 Reported: 03/03/2014
 Project Name: NMGSAU #1815
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 02/28/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 3 PT. COMP @ 14' (H400614-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/28/2014	ND	416	104	400	7.41	
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2014	ND	217	108	200	3.10	
DRO >C10-C28	<10.0	10.0	03/01/2014	ND	212	106	200	0.309	
Surrogate: 1-Chlorooctane	83.8 %	65.2-140							
Surrogate: 1-Chlorooctadecane	93.1 %	63.6-154							

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

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

Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: APACNE Project Manager: BILLY BAKER Address: _____ City: Hobbs State: NM Zip: 88240 Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ State: _____ Zip: _____ Project Location: NM 95 AL 1815 Phone #: _____ Sample Name: Kyle Humphrey Fax #: _____										BILL TO										ANALYSIS REQUEST									
P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____										Chlorides TPH 8015 M BTEX Texas TPH Complete Cations/Anions TDS										RLSA									
FOR LAB USE ONLY Lab I.D. Sample I.D. HYDRO 1 3 pt. Comp. @ 14' (G)RAB OR (C)OMP. <input checked="" type="checkbox"/> # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL <input checked="" type="checkbox"/> OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL <input checked="" type="checkbox"/> OTHER: _____ DATE 2-28-14 TIME _____										MATRIX _____ PRESERV _____ SAMPLING _____																			
Relinquished By: Kyle Baker Date: 2-28-14 Time: 10:50 Relinquished By: _____ Date: _____ Time: _____ Received By: Kyle Baker										Sample Condition: <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Damaged CHECKED BY: [Signature]																			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____										REMARKS: _____ email results Krueger@rice-ecs.com R. Flores@rice-ecs.com Kjones@rice-ecs.com klampain@rice-ecs.com honder@rice-ecs.com Lweinheimer@rice-ecs.com Khumphrey@rice-ecs.com sedwards@rice-ecs.com lflores@rice-ecs.com																			
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.										Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #: _____																			



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

March 03, 2014

BRUCE BAKER

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: NMGSAU #1815

Enclosed are the results of analyses for samples received by the laboratory on 02/28/14 12:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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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 - EUNICE
 BRUCE BAKER
 P. O. BOX 1849
 EUNICE NM, 88231
 Fax To: 394-2425

Received: 02/28/2014
 Reported: 03/03/2014
 Project Name: NMGSAU #1815
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 02/28/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VERT 1 @ 15' (H400615-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	02/28/2014	ND	416	104	400	0.00	

Sample ID: VERT 1 @ 16' (H400615-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	02/28/2014	ND	416	104	400	0.00	

Sample ID: VERT 1 @ 17' (H400615-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	02/28/2014	ND	416	104	400	0.00	

Sample ID: VERT 1 @ 18' (H400615-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	02/28/2014	ND	416	104	400	0.00	

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 - EUNICE
 BRUCE BAKER
 P. O. BOX 1849
 EUNICE NM, 88231
 Fax To: 394-2425

Received: 02/28/2014
 Reported: 03/03/2014
 Project Name: NMGSAU #1815
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 02/28/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: VERT 1 @ 19' (H400615-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/28/2014	ND	416	104	400	0.00	

Sample ID: VERT 1 @ 20' (H400615-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/28/2014	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

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

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

Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORIES

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: APACHE		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Bruce Baker		City: Hobbs		State: NM		Zip: 88240	
Address:		Phone #:		Fax #:		Project Owner:	
Project #:		Project Name:		Project Location: NGS AL 1815		State: Zip:	
Sampler Name: Kyle Humphrey		Fax #:		Phone #:		Zip:	
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		Matrix	
H40015		1		Ver. 2 @ 15'		DATE	
2		Ver. 1 @ 16'		DATE		TIME	
3		Ver. 1 @ 17'		DATE		TIME	
4		Ver. 1 @ 18'		DATE		TIME	
5		Ver. 1 @ 19'		DATE		TIME	
6		Ver. 1 @ 20'		DATE		TIME	
7		Ver. 1 @ 21'		DATE		TIME	
8		Ver. 1 @ 22'		DATE		TIME	
9		Ver. 1 @ 23'		DATE		TIME	
10		Ver. 1 @ 24'		DATE		TIME	
11		Ver. 1 @ 25'		DATE		TIME	
12		Ver. 1 @ 26'		DATE		TIME	
13		Ver. 1 @ 27'		DATE		TIME	
14		Ver. 1 @ 28'		DATE		TIME	
15		Ver. 1 @ 29'		DATE		TIME	
16		Ver. 1 @ 30'		DATE		TIME	
17		Ver. 1 @ 31'		DATE		TIME	
18		Ver. 1 @ 32'		DATE		TIME	
19		Ver. 1 @ 33'		DATE		TIME	
20		Ver. 1 @ 34'		DATE		TIME	
21		Ver. 1 @ 35'		DATE		TIME	
22		Ver. 1 @ 36'		DATE		TIME	
23		Ver. 1 @ 37'		DATE		TIME	
24		Ver. 1 @ 38'		DATE		TIME	
25		Ver. 1 @ 39'		DATE		TIME	
26		Ver. 1 @ 40'		DATE		TIME	
27		Ver. 1 @ 41'		DATE		TIME	
28		Ver. 1 @ 42'		DATE		TIME	
29		Ver. 1 @ 43'		DATE		TIME	
30		Ver. 1 @ 44'		DATE		TIME	
31		Ver. 1 @ 45'		DATE		TIME	
32		Ver. 1 @ 46'		DATE		TIME	
33		Ver. 1 @ 47'		DATE		TIME	
34		Ver. 1 @ 48'		DATE		TIME	
35		Ver. 1 @ 49'		DATE		TIME	
36		Ver. 1 @ 50'		DATE		TIME	
37		Ver. 1 @ 51'		DATE		TIME	
38		Ver. 1 @ 52'		DATE		TIME	
39		Ver. 1 @ 53'		DATE		TIME	
40		Ver. 1 @ 54'		DATE		TIME	
41		Ver. 1 @ 55'		DATE		TIME	
42		Ver. 1 @ 56'		DATE		TIME	
43		Ver. 1 @ 57'		DATE		TIME	
44		Ver. 1 @ 58'		DATE		TIME	
45		Ver. 1 @ 59'		DATE		TIME	
46		Ver. 1 @ 60'		DATE		TIME	
47		Ver. 1 @ 61'		DATE		TIME	
48		Ver. 1 @ 62'		DATE		TIME	
49		Ver. 1 @ 63'		DATE		TIME	
50		Ver. 1 @ 64'		DATE		TIME	
51		Ver. 1 @ 65'		DATE		TIME	
52		Ver. 1 @ 66'		DATE		TIME	
53		Ver. 1 @ 67'		DATE		TIME	
54		Ver. 1 @ 68'		DATE		TIME	
55		Ver. 1 @ 69'		DATE		TIME	
56		Ver. 1 @ 70'		DATE		TIME	
57		Ver. 1 @ 71'		DATE		TIME	
58		Ver. 1 @ 72'		DATE		TIME	
59		Ver. 1 @ 73'		DATE		TIME	
60		Ver. 1 @ 74'		DATE		TIME	
61		Ver. 1 @ 75'		DATE		TIME	
62		Ver. 1 @ 76'		DATE		TIME	
63		Ver. 1 @ 77'		DATE		TIME	
64		Ver. 1 @ 78'		DATE		TIME	
65		Ver. 1 @ 79'		DATE		TIME	
66		Ver. 1 @ 80'		DATE		TIME	
67		Ver. 1 @ 81'		DATE		TIME	
68		Ver. 1 @ 82'		DATE		TIME	
69		Ver. 1 @ 83'		DATE		TIME	
70		Ver. 1 @ 84'		DATE		TIME	
71		Ver. 1 @ 85'		DATE		TIME	
72		Ver. 1 @ 86'		DATE		TIME	
73		Ver. 1 @ 87'		DATE		TIME	
74		Ver. 1 @ 88'		DATE		TIME	
75		Ver. 1 @ 89'		DATE		TIME	
76		Ver. 1 @ 90'		DATE		TIME	
77		Ver. 1 @ 91'		DATE		TIME	
78		Ver. 1 @ 92'		DATE		TIME	



Wed 3/5/2014 9:27 AM

Baker, Larry

update on the NMGSAU 1518

o ☐ Phillips, Lu

Mr. Phillips,

I met with NMOCD and Jeff Leking agreed to the installation of a clay liner at 14.5 feet and backfill with clean. I cut a deal with Watson that Apache would pay for disposal and imported soil, labs, and sampling, and he would not charge for the use of his equipment. Thanks and have a good day.

Bruce Baker





Thu 3/13/2014 4:03 PM

Baker, Larry

FW:

To ☐ GeoffreyR.Leking@state.nm.us

 Message  20140313155325902.pdf

Mr. Leking

Attached is the Initial and Final C-141 for the NMGSAU 1815. Please let me know if this works thanks and have a good day.

Bruce Baker
Apache Corporation
Environmental Technician
Eunice District
Email: larry.baker@apachecorp.com
Cell: (432) 631-6982

-----Original Message-----

From: ricoh.service@apachecorp.com [<mailto:ricoh.service@apachecorp.com>]

Sent: Thursday, March 13, 2014 2:53 PM

Released to Imaging: 1/24/2023 7:20:52 AM

To: Baker, Larry





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District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 10225

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 10225
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	1/24/2023