

Page 1 of 23

DAVID FEATHER ENVIRONMENTAL SUPERVISOR DIRECT (433) 818-1615 E-MAIL: DAVID FEATHER & APACHECORP.COM

October 22, 2019

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

RE: 1RP-2331 South Seven Rivers Queen Unit 426

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 October 23, 2009. Apache is respectfully submitting the closure report based on remediation and studies occurring in 2010 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 18, 2019

Released to Imaging: 7/8/2021 1:41:27 PM

APACHE CORPORATION - PERMIAN BASIN REGION - 303 VETERANS AIRPARK LANE, STE 3000, MIDLAND, TEXAS 79705



Bruce Baker South Seven Rivers Queen Unit #426 Closure Request

API NO. 30-025-09042

1RP-2331

Release Date: 10/23/09

U/L A, Section 26, Township 22S, Range 36E

Lea County, NM

10/18/19

Prepared By: Hungry Horse, LLC 4024 Plains Hwy Lovington, NM 88260

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October 18, 2019

New Mexico Energy, Minerals & Natural Resources Oil Conservation Division, Environmental Bureau – District I C/O Dylan Rose-Coss 1625 South French Drive Hobbs, NM 88240

RE: Closure Request Apache Corporation South Seven Rivers Queen Unit #426 U/L A, Section 26, Township 22S, Range 36E API No. 30-025-34651

To Whom it May Concern:

Apache Corporation has retained Hungry Horse, LLC., to address the potential environmental concerns at the site referenced above.

Background

An initial form C-141 (Release Notification) for the site mentioned above was submitted by Apache Corporation on October 23, 2009. The site is located in Lea County, New Mexico, 11.2 miles south of Eunice, New Mexico in unit letter 'A' of section 26, T22S, R36E. Approximately 50bbls of of produced water was released. None of the 50 bbls of produced water was able to be recovered. The leak was discovered by Sid Richardson and the line was isolated and repaired. The leak crossed Section 24 and 25 out in the pasture in sand dunes. Apache was unable to get a vacuum truck to the leak site. A road was built to get to the leak area and will be taken up once location is cleaned. The site was cleaned up according to NMOCD guidelines.

Groundwater Information

Hungry-Horse, LLC has conducted an extended groundwater study of the area and it has been determined that according to the New Mexico Office of the State Engineer, the three closest wells to the South Seven Rivers Queen Unit #426 range from 4699'bgs to 125'bgs within 1437' to 2001' from the site listed herein:

CP00776 POD1 – 4000'dgw with a distance of 1437' from the site CP00397 POD1 – 118'dgw with a distance of 1712' from the site E 03808 POD1 – 55' dgw with a distance of 2001' from the site

Karst Information

According to the Karst Map, the South Seven Rivers Queen Unit #426 is located in the low risk area. Therefore, no concerns are found.

Delineation

On March 20, 2010 Apache Corporation began delineation of the site. Five samples were taken and delivered to Cardinal Laboratories and were tested for Chlorides.

Below you will find the lab analysis for the delineation of the samples dated March 20, 2010 for Apache South Seven Rivers Queen Unit #426:

Sample ID	Chloride
SP1	560
SP2	<16
SP3	16
SP4	<16
SP5	544

Below you will find the lab analysis for the delineation of the samples dated April 01 and April 02,2010 for Apache South Seven Rivers Queen Unit #426.

Sample ID	Chloride
SP1	<16
SP2	16
SP3	<16
SP4	16
SP5	<16
SP6	<16
SP7	16
SP8	<16

The saturated soil was excavated and all of the contaminated soil was hauled to Sundance Services in Eunice, New Mexico. Backfill was brought in from Strain Ranch to backfill the site. Apache personnel remediated the site in 2010 and based on site inspection the impacted area was remediated fully to closure. The site has adequate vegetation. See the attached map.

Conclusion

On behalf of Apache Corporation and Hungry Horse, LLC., we respectfully request closure of the release on the Apache South Seven Rivers Queen Unit #426. All work was performed in accordance with the NMOCD Rules and Regulations for Spills and Releases.

Thank you in advance for allowing Hungry-Horse LLC to assist in this matter. Please contact me with any questions and/or concerns.

Sincerely, trace Gennine

Tract Jennings Compliance Manager Hungry-Horse, LLC 4024 Plains Highway Lovington, NM 88260 tjennings@hungry-horse.com

District II 1301 W Grand Avenue, Artesia, NM 88210 District III	RECEIVE State of New Mexico Energy Minerals and Natural Resources OCT 2 8 2000 Oil Conservation Division HOBBSOC 20 South St. Francis Dr. Santa Fe, NM 87505	Form C-141 Revised October 10, 2003 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form
8	Release Notification and Corrective Action	n
	OBBDAROD	

		OPERATOR	Initial Report Final Report
Name of Company Apache Corporation	1	Contact Natalie Gladden	
Address P.O. Box 1849 Eunice, NM 882	131	Telephone No. 575-390-4186	
Facility Name South Seven Rivers Quee	n Unit #426	Facility Type Injection Well	
Surface Owner State of NM	Mineral Owner	State of NM	Lease No. 30-025-09042

LOCATION OF RELEASE

BOCATION OF REDEASE								
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	26	225	36E	660	North Line	660	East Line	Lea

Latitude

Longitude

NATURE	OF RELEASE	
Type of Release Produced Water	Volume of Release 50bbls	Volume Recovered 0 bbls
Source of Release Injection line leak	Date 10/23/09	Date 10/23/09
Was Immediate Notice Given?	If YES, To Whom?	
🛛 Yes 🔲 No 🔲 Not Required	Larry Johnson	
By Whom? Natalie Gladden	Date and Hour 10/23/09 4pm	
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.	
If a Watercourse was impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Leak was discovered by Sid Richardson, line was isolated and repaired.		WATER ALZO
Describe Area Affected and Cleanup Action Taken.* This leak crosses Sec 24 and Sec 25, out in the pasture in sand dunes. We to leak area and will be taken up once location is cleaned. NMOCD guide	were unable to get a vacuum truck lines will be followed to close.	to the leak site. A road has been built to get
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release in public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report de federal, state, or local laws and/or regulations.	olifications and perform corrective a > NMOCD marked as "Final Report = contamination that pose a threat to	actions for releases which may endanger "does not relieve the operator of liability pround water, surface water, human health
	011 0011000	TILL TROUBLE BUILDERADE

		OIL CONSERVATION DIVISION
	Signature: Adle Gladden	ENV ENGINIER:
ļ	Printed Name: Natalie Gladden	Approved by District Supervisor: Herffrey Libras
	Title: EH&S Environmental Tech	Approval Date: 10/29/09 Expiration Date: 12/29/09
	E-mail Address: natalic.gladden@apachecorp.com	Conditions of Approval: DECINENTE TO CLEAN +1. SUBMIT FWAL CIHIBY Allached
	Date: 10/27/09 Phone: 575-390-4186	IRP-09-11-2331

Attach Additional Sheets If Necessary

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Form C-141 Page 3

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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?	55 (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 I 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. V

Field data

- 7 Data table of soil contaminant concentration data
- \mathbf{V} Depth to water determination
- V Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release

 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, anticinated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of the source criteria for a release are contained to the source criteria for a release are contained to the 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
public health or the environ failed to adequately invest	onment. The acceptance of a C-141 report by the tigget and remediate contamination that pose a thr	e best of my knowledge and understand that pursuant to OCD rules and tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In f responsibility for compliance with any other federal, state, or local laws
	ruce Baker	Title: Environmental Tech SR.
Signature: Bru	æ Baher	Title: <u>Environmental Tech SR.</u> Date: <u>10-22-19</u> Telephone: <u>432-631-6982</u>

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Form C-141 Page 6

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State of New Mexico Oil Conservation Division

nGRL0930941403

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	a itempe would be in shirt of in shirt of	
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		
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regu- restore, reclaim, and re-vegetate the impacted surface area to the of accordance with 19,15,29,13 NMAC including notification to the	lations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.	
Printed Name: Bruce Baker	Title: Environmental Tech SR.	
Signature: Bruce Baher	Date: 10-22-19	
Printed Name: Bruce Baker Signature: Bruce Baher 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 remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible for regulations.	
Closure Approved by:Bradford Billings	Date: 07/08/2021	
Printed Name: Bradford Billings	Title: Envi.Spec.A	

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nmwrrs.ose.state.nm.us/nmwrrs/ReportProxy?queryData=%78"report"%3A"waterColumn"%2C%0A"BasinDiv"%3A"true"%2C%0A"Basi...



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 been rep O=orpha C=the fil closed)	laced, ined, le is			•				/ 2=NE est to lar	3=SW 4=SI gest) (N	3) IAD83 UTM in 11	ieters)	(In	feet)	
		POD Sub-		0	Q	0								v	Nater
POD Number	Code		County	64	16	4	Sec		-	X	Y		pthWellDep		
CP 00776 POD1		CP	LE				26	225	36E	665474	3581705*	1437	4699	4000	699
CP 00393 POD1		CP	LE				27	22S	36E	665060	3582703*	1513	160		
CP 00394 POD1		CP CP	LE LE		3	4		228	36E 36E	667696	3581341*	1712	160 180	118	62
<u>CP 00397 POD1</u>		Ē	LE	3	3	4	25	225	305	667696	3581341*			55	۳2 70
E 03808 POD1			1.0	,	,	4	22	125	746	666105	3580686	2001	125		
<u>CP 00609</u>		СР СР	LE	1	3	4		225	36Ë	664451	3583098*	2171	199 198	22 160	177 38
<u>CP 00575</u>			LE	1		4		22S 22S	36E 36E	664576	3580296*	2552	225	100	20
CP 00392 POD1		CP	LE LE	1	1	3				665302	3582232	2761	40		
CP 01148 POD1		CP CP					27	22S 22S	36E 36E	663840 663839	3582227	2762	100		
CP 01148 POD3							27	22S	36E			2762	40		
<u>CP 01148 POD2</u>		СР	LE				27			663827	3582239				
CP 01147 POD1		СР СР	LC LC				22 22	22S 22S	36E 36E	663749 663749	3582965 🍄 3582965 🍑	2842 2842	25 20		
CP 01147 POD2 CP 01146 POD1		CP	LE				34	225	36E	664065	3580944	3023	101		
<u>CP 01146 POD2</u>		CP	LE				34 34	225	36E	664041	3580954	3037	100		
<u>CP 01146 POD3</u>		CP	LE				음7 - 34	225	36E	664045	3580932	3046	20		
<u>CP 00485 POD1</u>		CP	LE		3	1	ं 22	225	36E	663732	3583788*	3065	500		
<u>CP 01149 POD1</u>		CP	LE		2	'	34	225	36E	664281	3580034	3464	25		
<u>CP 01651 POD1</u>		CP	LE	T	٦	4	12	225	36E	667538	3586460	3946	148		
<u>CP 00628</u>		CP	LE		2		18	225	37E	668892	3585888*	3996	525	190	335
<u>CP 00149 POD1</u>		CP	LE			1	29	225	37E	670568	3582296* 🎸	4010			
<u>CP 00764 POD1</u>		СР	LF	2	1	4		225	36E	663006	3585079*	4324	4700	4000	700
CP 00390 POD1		CP	LE		4	1		235	37E	669120	3579111* 🚳	4347	100		
CP 00547		СР	LE		2	2	18	225	37E	669696	3585901*	4520	200		
CP 01318 POD2		CP	LE	3				22S	36E	663672	3586106	4524	260	180	80
CP 00786 POD1		СР	LE				03	235	36E	663716	3579040*	4590	200		
L 11013	с	L	LE				10	225	36E	663892	3586402*	4624	222		
<u>CP 00070</u>		СР	LE	2	2		16	225	36E	662604	3585071*	4657	220	170	50
CP 00070 CLW472929	0	СР	LE					225	36E	662604	3585071* 🍑	4657	220	170	50
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												Maximum De	epth:	4000 fe	et

Record Count: 29

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019 nmwrrs.ose.state.nm.us/nmwrrs/ReportProxy?queryData=%7B"report"%3A"waterColumn"%2C%0A"BasinDiv"%3A"true"%2C%0A"Basi

UTMNAD83 Radius Search (in meters):

Easting (X): 666572 Northing (Y): 3582633.36 Radius: 5000

*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 warnanties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/18/19 8:09 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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nmwrrs.ose.state.nm.us/nmwrrs/ReportDispatcher?type=PODGHTML&name=PodGroundSummaryHTML.jrxml&basin=CP&nbr=00776...



New Mexico Office of the State Engineer Point of Diversion Summary

			••			=NE 3=S' to larges		(NAD83 U	TM in meters)	
Well Tag	POD	Number	Q64	Q16 Q	4 Se	c Tws	Rng	X	Y	
	CP (0776 POD1	4	1 :	3 26	228	36E	665474	3581705* 🌍	
Driller Lic	ense:		Driller	r Comp	any:					
Driller Na	me:	V & B DILLING	COMPAN	Y						
Drill Start	Date:	11/27/1992	Drill F	inish I	Date:	0	1/02/1993	PI	ug Date:	
Log File D	ate:	02/04/1993	PCW	Rcv Da	ite:			So	ource:	Shallow
Բսութ Т ур	e:		Pipe D	lischar	ge Siz	e:		Es	timated Yield:	400 GPM
Casing Siz	e:	7.00	Depth	Well:		4	699 feet	De	pth Water:	4000 feet
	Wate	er Bearing Stratif	ications:		Тор	Bottom	Descrij	otion		
				3	850	4050	Other/L	Jnknown		
				4	050	4699	Other/U	Jnknown		
1		Casing Per	forations:		l'op	Bottom				
				4	158	4591				

*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.

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POINT OF DIVERSION SUMMARY

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nmwrrs.cse.state.nm.us/nmwrrs/ReportDispatcher?type=PODGHTML&name=PodGroundSummaryHTML.jrxml&basin=CP&nbr=00397...



New Mexico Office of the State Engineer Point of Diversion Summary

		• 1				E 3=SV alargest	₩ 4=SE) t)	(NAD83 (ITM in meters)	
Well Tag	POD Number	Q64 (216 (Q4	Sec	Tws	Rng	x	Y	
ş	CP 00397 POD1	3	3	4	25	228	36E	667696	3581341* 🌍	
Dritler Lic	ense: 137	Driller	Com	рал	ıy:	RO	BERTS	, GRADY		
Driller Na	me:									
Drill Start	Date:	Drill Fi	nish	Dat	te:	L	2/31/194	40 P I	ug Date:	
Log File D	ate:	PCW R	cv D	ate	:			So	urce:	
Pump Typ	e:	Pipe Di	scha	rge	Size	: 2		Es	timated Yield:	50 GPM
Casing Siz	e: 8.00	Depth V	Vell:			1	80 feet	D	epth Water:	118 feet

*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 warrantics, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/18/19 8:14 AM

POINT OF DIVERSION SUMMARY

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nmwrrs.ose.state.nm.us/nmwrrs/ReportDispatcher?type=PODGHTML&name=PodGroundSummaryHTML.jrxml&basin=E&nbr=03808&...



New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag) Number 3808 POD1	(quarter	are 1=NW 2 rs are sinelles 16 Q4 Se	t to largest)		(NAD83 UT X 666105	M in meters) Y 3580686	
Driller Lice Driller Nam		539 GARCIA, RAYM		Company:	GAI	RCIA BR	OTHERS I	DRILLING C	0., LLC
Drill Start E Log File Da Pump Type: Casing Size:	te:	04/27/1983 05/03/1983 5.00	PCW Ro	charge Siz	ze:	/27/1983 5 feet	Sou Esti	g Date: rce: mated Yield: oth Water:	Shallow 35 GPM 55 feet
		er Bearing Stratif	•		Bottom 55	Descrip			
		Casing Perf	orations:	Тор	Bottom				
				30 105	50 125				

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

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POINT OF DIVERSION SUMMARY

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10123/09



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

April 13, 2010

Natalie Gladden Apache Corporation P.O. Box 1849 Eunice, NM 88231

Re: SE7RQU #426(1)

Enclosed are the results of analyses for sample number H19636, received by the laboratory on 04/09/10 at 2:15 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Method SW-846 8260 Method TX 1005 Benzene, Toluene, Ethyl Benzene, and Total Xylenes Benzene, Toluene, Ethyl Benzene, and Total Xylenes Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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

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

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene Laboratory Director

This report conforms with NELAP requirements.

Received by OCD: 10/22/2019 3:13:34 PM



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

ANALYTICAL RESULTS FOR APACHE CORPORATION ATTN: NATALIE GLADDEN P.O. BOX 1849 EUNICE, NM 88231

Receiving Date: 04/09/10 Reporting Date: 04/12/10 Project Owner: NOT GIVEN Project Name: SE7RQU #426 (1) Project Location: NOT GIVEN Analysis Date: 04/12/10 Sampling Date: 03/20/10 Sample Type: SOIL Sample Condition: INTACT @ 13°C Sample Received By: AB Analyzed By: HM

LAB NUMBER SAMPLE ID

CIT (mg/kg)

H19636-1 SP1	560
H19636-2 SP2	< 16
H19636-3 SP3	16
H19636-4 SP4	< 16
H19636-5 SP5	544
, <u></u>	
······································	
Quality Control	500
True Value QC	500
% Recovery	100
Relative Percent Difference	< 0.1

METHOD: Standard Methods 4500-CI'B Note: Analyses performed on 1:4 w:v aqueous extracts.

04/13/10 Date

H19636 APACHE

PLEASE NOTE: Liability and Demages. Cardinal's lability and client's exclusive remedy for any claim arising, whether based in contract or tort, what be limited to the amount paid by client for analyse. All claims, including linces for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Gardinal within thirty (30) days after completion of the applicable aervice, in no event shall Cardinal be liable for incidental or consequentie damages, including, without illinitation, business lineuruptions, loss of use, or loss of profits incurred by Client, its subsidiaries affiliates or subsections arising out of or related to the performance of services hereunder by Cardinal, negoritiess 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.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name	(575) 393-2325 FA								1	171	607		11.10	515-365					ANA	LYS	8 RÊ	QUE	8T			
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Sampler - UPS - Bus - Other: FORM-005 Revision 1.0

Delivered By: (Circle One)

Cardinal cannot accept varbal changes. Please fax written changes to \$75-393-2476

CHECKED BY:

(Initiale)

Cool Internation

13°C #26

Page 17 of 23

ARDINAL LABORATORIES



Page 18 of 23

PHONE (575) 393-2326 . 101 E. MARLAND . HOBBS, NM 68240

April 14, 2010

Natalie Gladden Apache Corporation P.O. Box 1849 Eunice, NM 88231

Re: SE7RQU #426 (2)

Enclosed are the results of analyses for sample number H19637, received by the laboratory on 04/09/10 at 2:15 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Method SW-846 8260 Method TX 1005 Benzene, Toluene, Ethyl Benzene, and Total Xylenes Benzene, Toluene, Ethyl Benzene, and Total Xylenes Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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

Method EPA 552.2 Method EPA 524.2 Method EPA 524.2

Haloacetic Acids (HAA-5) Total Trihalomethanes (TTHM) Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerel

Celey D. Keene Laboratory Director

This report conforms with NELAP requirements.



Page 19 of 23

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

ANALYTICAL RESULTS FOR **APACHE CORPORATION** ATTN: NATALIE GLADDEN P.O. BOX 1849 EUNICE, NM 88231

Receiving Date: 04/09/10 Reporting Date: 04/13/10 Project Owner: NOT GIVEN Project Name: SE7RQU #426 (2) Project Location: NOT GIVEN

Analysis Date: 04/12/10 Sampling Date: 04/01/10 & 04/02/10 Sample Type: SOIL Sample Condition: INTACT @ 13°C Sample Received By: AB Analyzed By: HM

> СГ (mg/kg)

LAB NUMBER SAMPLE ID

H19637-1	SP1	< 16
H19637-2	SP2	16
H19637-3	SP3	< 16
H19637-4	SP4	16
H19637-5	SP5	< 16
H19637-6	SP6	< 16
H19637-7	SP7	16
H19637-8	SP8	< 16
	······	
Quality Contr		500
True Value C	iC	500
% Recovery		100
Relative Percent	cent Difference	< 0.1

METHOD: Standard Methods 4500-CI'B Note: Analyses performed on 1:4 w:v aqueous extracts.

04/14/10 Date

H19637 APACHE

PLEASE NOTE: Liability and Demages. Certifical's liability and cherk's exclusive remedy for any claim arising, whether based in contract or lori, shall be limited to the amount peid by clie All claims, including those for negligence and any other cause wheteoever shall be deemed weived unless made in writing and received by Certifical within thirty (30) days after completion o services. In no event shall Cardinal be fable for incidental or consequential damages, including, without limitation, business interruptors, loss of use, or loss of profits incurred by client, i artificates 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 othe relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Leboratories. n of nt. Ba su

Received by OCD: 10/22/2019 3:13:34 PM

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	-380-4186	Fax#:							Ade	tres				1											
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NATALIE GLADDEN	4/6/2010 Time:	Par Result: D Yes O No Add'l Far F REMARKS:
Relinguished By:	Date: <u>7/9/10</u> Time: 2:150 3 Semble Condition CHECKED BY: CHECKED BY: CHECKED BY:	EMAIL TO netalle gledden@epechecorp.com
Sampler - UPS - Bus - Other:	1.3°C #76 Cool Intact (Initiatis)	
FORM-008 Revision 1.0	† Cardinal cannot accept verbal changes. Plea	se fax written changes to \$75-393-2476

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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

Dperator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	2011
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	7/8/2021

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Action 2011