District I
1625 N. French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410

trict IV

JS. St. Francis Dr , Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resource EV

Form C-141 Revised October 10, 2003

Oil Conservation Division 1220 South St. Francis Dr. JUL 0 1 2010 Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

			Rele	ease Notific	catio	n a	and Co	rrective A	ction	الما			7	
						O	PERA	TOR		☐ Initi	al Report		Final Report	
Name of Co	mpany A	Apache Corp	oration			Contact Natalie Gladden								
Address P. Facility Nar		49 Eunice, N	VM 8823	1		Telephone No. 575-390-4186 Facility Type Producing Well								
Surface Ow	ner McCa	sland		Mineral (	Owner	Sta	ite	<del>-</del>		Lease N	No./30-02:	5-3879		
				LOCA	ATIO	ON OF RELEASE								
Unit Letter	Section	Township	Range	Feet from the	North FSL	h/Soi	uth Line	Feet from the		West Line	County			
K	12	20S	30E	2440			2500	FWL		Lea				
		<u>L</u>	I.a.	t:+d.o	1	Longitud								
			La	titude										
- an i					URF		FREL			r <del>.,,</del>				
Source of Rele		ed water and l	Hydrocart	oons			Volume of Date 10/31	Release unknow	'n	Volume I Date 10/3	Recovered	unknow	/n	
Was Immedia							If YES, To			Date 10/3	71700			
			Yes 🗵	] No 🗌 Not R	equired	i								
By Whom?							Date and H							
Was a Water	course Read		] No	I	If YES, Vo	lume Impacting t	he Wate	ercourse.						
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.	<b>K</b>										
<u>)</u>														
Describe Cau	ise of Probl	em and Reme	dial Action	n Taken.*										
Stuffing box	leak was ca	use of leak. E	Emergency	response took pl	ace fro	m 11	1/05-11/07	. 172 yards of co	ntamina	ated soil wa	s hauled to	Sundan	ce.	
		and Cleanup A			1									
Ground wate	r is at 25°.	All NMOCD	regulation	s were followed t	o ciosu	ire.								
I hereby certi	fy that the i	information oi	ven ahove	is true and comp	lete to	the b	hest of my	knowledge and u	nderstar	nd that nurs	cuant to NM	IOCD ru	lee and	
regulations a	ll operators	are required to	o report ar	nd/or file certain r	elease i	notif	fications ar	nd perform correc	tive act	ions for rela	eases which	may en	danger	
				ce of a C-141 repo										
or the environ	operations n nment. In a	ave raned to a	idequatery CD accep	investigate and ratance of a C-141	report o	ne co does	ontamination on taller	on that pose a three the operator of the contract of the contr	eat to gr responsi	ound water bility for c	r, surtace wa ompliance v	ater, hur vith anv	nan health other	
		ws and/or regu			,									
		-		$\sim$				OIL CON	SERV	ATION	DIVISIO	<u>NC</u>		
Signature:	h.	Files	( - 1	boble	اب			C	L	-10hu	200			
D: 121		or II				App	proved by	District Supervis	95:	<b>\</b>	- <b>-</b>			
Printed Name	: Natalie	Gladden						TIRALL	OIVIVI	-NTAL E	NGINEE	R		
Title: EH&S	Environme	ental Tech		-	Approval Date: 7.7.10 Expiration Date: —									
E-mail Addre	ess: natalia	gladden@apa	achecom c	com	Conditions of Approval:									
- man riddre	oo. natant	g.uaasii(ugupt		, OIII	Attached									
te: 06/2:	5/2010	Phone	e: 575-39	0-4186						····	113	20	30	

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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.

Form C-141 Revised October 10, 2003

JUL 0 1 2(11) Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

RECEIVED

## Santa Fe, NM 87505 HQBE Release Notification and Corrective Action

						<b>OPERA</b>	ГOR		M Initia	al Report		Final Re	eport	
Name of Co	mpany A	Apache Corp	oration			Contact Na	talie Gladden							
Address P.0	O. Box 18	49 Eunice, l	VM 8823	1		Telephone No. 575-390-4186								
Facility Nan	ne Heste	er 12 #9				Facility Type Producing Well								
			-			er_State								
Surface Ow	ner McCa	island		Mineral O	wner_	State			Lease N	NO. 30-025	<u>-387.9</u>	<u> </u>		
				LOCA	TIO	N OF REI	LEASE							
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	Vest Line	County				
K	12	20S	3 <b>8</b> E	2440	FSL		2500	FWL		Lea				
			Y o	titude		Longitud				1	7.	(5')		
			La			_ Longitud	The second secon			( WS	(R 2			
		·			URE	OF REL								
Type of Rele			Hydrocarb	oons		<del></del>	Release unknow	n		Recovered t	ınkno	wn		
Source of Re						Date 10/31			Date 10/3	1/08				
Was Immedia	ate Notice C		Yes 🗵	No 🗌 Not Re	quired	If YES, To	wnom?							
By Whom?	By Whom? Date and Hour													
	as a Watercourse Reached?  If YES, Volume Impacting the Watercourse.													
	☐ Yes ☒ No													
If a Watercou	f a Watercourse was Impacted, Describe Fully.*													
, -														
)														
_ ′														
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken *										
Stuffing box	leak was ca	ause of leak. I	Emergency	response took pla	ace fron	n 11/05-11/07	7. 172 yards of co	ntamina	nted soil wa	s hauled to	Sunda	nce		
							•							
							JSW 100'	FAST						
Describe Are	a Affected	and Cleanup	Action Tal	cen *		<u> </u>	200 100							
				s will be followed	to closi	ure.								
			8											
							<del>, -,-,</del>							
				e is true and compl										
				nd/or file certain re ce of a C-141 repo										
				investigate and re									th	
				otance of a C-141 i										
federal, state,	or local la	ws and/or regu	lations											
							OIL CONS	SERV	<b>ATION</b>	DIVISIO	<u>N</u>			
Signature: /	hb		000	2011			6	-3(_)	Jakun	Some				
Signature.	Juni					A	D'		( - 4					
Printed Name	e - Natalie-	Gladden				Approved by	District Supervise ENVIR	<u> </u>	<u>ental</u> E	NGINEE	<u>ጓ.</u>			
Title EURS	Enuronm	antal Tach										<b>Y</b> S		
Title EH&S	LIIVIIOIIII	Cittal TCCII			Approval Date: (2.17.08   Expiration Date: 2			Date: C.	(1.0	<u> </u>				
E-mail Addre	ess natalie	e gladden@ap	achecorp o	com	Conditions of Approval				L1					
					Attached									
Tate: 12/1:			575-390-4	4186		-SUBMIT FINAL CIAI IRPET 2030								
ich Addit	nonai She	ets If Necess	ary		-	- SUBMIT SAMPLE PLAN FOR APPROVAL								



RECEIVED

JUL 0 1 2010 HOBBSOCD

**Hester 12 #9** 

Lea County

Unit K, Sec12, T20S, R38E

2440' FSL and 2500' FWL

API #30-025-38791

IRP# 10-31-2030

Release Date: 10/31/2008

Prepared by: Natalie Gladden

**Apache Corporation** 

JUL 0 1 7010

Dear Larry,

**HOBBSOCD** 

Attached you will find a copy of the original C141, Final C141, a diagram of the contamination area along sample points with sample results, and final analytical taken from this site.

With this information that is provided, Apache Corporation respectfully requests your review and approval of the Closure Document for the produced water and hydrocarbon release that occurred at the Apache Hester 12 #9 well site.

If you have any questions or concerns, please feel free to contact me at anytime.

Sincerely,

Natalie Gladden

**EH&S Environmental Tech** 

Permian Basin Region

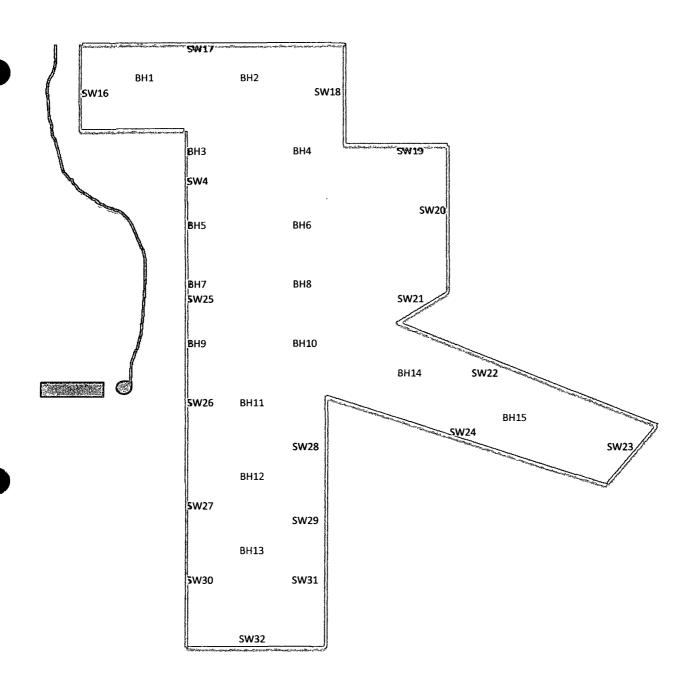
The purpose of this report is to document the clean up activities and present supporting analytical data to the NMOCD, requesting closure of the referenced produced water and hydrocarbon release incident in accordance with the Guidelines for Remediation of Leaks, Spills and Releases.

On October 31<sup>st</sup> 2008, the stuffing box leaked releasing an unknown volume. All fluid remained on the location pad; no fluid reached the pasture area.

The contaminated soil was excavated to a total depth of 15', a total of 1340' yards were hauled to Sundance Disposal and over 1000 yards was blended under the 250-ppm threshold. The soil around the wellhead was dug out by hand and approval from NMOCD was granted not to dig to deep in order to keep from compromising the wellhead. This well had not been producing long before the stuffing box leak, after excavating the saturated soil it was determined that the contamination we were finding was left by the drilling rig, thus enforcing the Drilling Department to line each location under the drilling rig.

Based on the analytical results of the confirmation soil samples collected from the excavation and which confirmed that the soil was less than the Standard. Consequently, no further action is recommended or planned for this site at this time and on behalf of Apache Corporation we respectfully request that the NMOCD grant closure for the Hester 12 #9 well site.

BH1 208 BH2 224 BH3 209 BH4 208 BH5 192 BH6 192 BH7 192 BH8 208 BH9 192 BH10 192 BH11 192 BH11 192 BH12 224 BH13 176 BH14 192 BH15 192 SW16 176 SW17 256 SW17 256 SW18 192 SW19 176 SW20 176 SW21 192 SW22 192 SW22 192 SW22 192 SW23 192 SW24 176 SW25 160 SW27 192 SW26 400 SW27 192 SW27 192 SW28 176 SW30 176 SW31 96 SW32 96 BLEND33 176 BLEND35 112 BLEND36 176	SAMPLE ID	CL
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BH3 209 BH4 208 BH5 192 BH6 192 BH7 192 BH8 208 BH9 192 BH10 192 BH11 192 BH12 224 BH13 176 BH14 192 BH15 192 SW16 176 SW17 256 SW18 192 SW18 192 SW19 176 SW20 176 SW21 192 SW22 192 SW22 192 SW23 192 SW24 176 SW25 160 SW26 400 SW27 192 SW28 176 SW29 176 SW29 176 SW29 176 SW30 176 SW29 176 SW30 176 SW31 96 SW32 96 BLEND33 176 BLEND35 112 BLEND35 112		
BH4       208         BH5       192         BH6       192         BH7       192         BH8       208         BH9       192         BH10       192         BH11       192         BH12       224         BH13       176         BH14       192         BH15       192         SW16       176         SW17       256         SW18       192         SW19       176         SW20       176         SW21       192         SW22       192         SW23       192         SW24       176         SW25       160         SW26       400         SW27       192         SW28       176         SW30       176         SW31       96         SW32       96         BLEND33       176         BLEND35       112         BLEND36       176		
BH5 192 BH6 192 BH7 192 BH8 208 BH9 192 BH10 192 BH11 192 BH12 224 BH13 176 BH14 192 BH15 192 SW16 176 SW17 256 SW17 256 SW18 192 SW19 176 SW20 176 SW21 192 SW22 192 SW22 192 SW23 192 SW24 176 SW25 160 SW27 192 SW26 400 SW27 192 SW28 176 SW29 176 SW30 176 SW29 176 SW30 176 SW31 96 SW32 96 BLEND33 176 BLEND35 112 BLEND35 112		<del>                                     </del>
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BH7 192 BH8 208 BH9 192 BH10 192 BH11 192 BH11 192 BH12 224 BH13 176 BH14 192 SW16 176 SW17 256 SW18 192 SW19 176 SW20 176 SW21 192 SW22 192 SW22 192 SW23 192 SW23 192 SW24 176 SW25 160 SW26 400 SW27 192 SW26 400 SW27 192 SW28 176 SW29 176 SW30 176 SW30 176 SW31 96 SW31 96 SW32 96 BLEND33 176 BLEND35 112 BLEND35 112	<u> </u>	<u> </u>
BH8       208         BH9       192         BH10       192         BH11       192         BH12       224         BH13       176         BH14       192         BH15       192         SW16       176         SW17       256         SW18       192         SW20       176         SW21       192         SW22       192         SW23       192         SW24       176         SW25       160         SW26       400         SW27       192         SW28       176         SW30       176         SW31       96         SW32       96         BLEND33       176         BLEND35       112         BLEND36       176	<del></del>	<del></del>
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BH13 176 BH14 192 BH15 192 SW16 176 SW17 256 SW18 192 SW19 176 SW20 176 SW21 192 SW22 192 SW22 192 SW23 192 SW24 176 SW25 160 SW26 400 SW27 192 SW28 176 SW29 176 SW30 176 SW30 176 SW30 176 SW31 96 SW32 96 BLEND33 176 BLEND34 176 BLEND35 112 BLEND36 176	BH11	
BH14 192 BH15 192 SW16 176 SW17 256 SW18 192 SW19 176 SW20 176 SW21 192 SW22 192 SW22 192 SW23 192 SW24 176 SW25 160 SW26 400 SW27 192 SW28 176 SW29 176 SW30 176 SW30 176 SW31 96 SW31 96 SW32 96 BLEND33 176 BLEND34 176 BLEND35 112 BLEND36 176	BH12	224
BH15 192 SW16 176 SW17 256 SW18 192 SW19 176 SW20 176 SW21 192 SW22 192 SW22 192 SW23 192 SW24 176 SW25 160 SW26 400 SW27 192 SW28 176 SW29 176 SW30 176 SW30 176 SW31 96 SW32 96 BLEND33 176 BLEND34 176 BLEND35 112 BLEND36 176	BH13	176
SW16       176         SW17       256         SW18       192         SW19       176         SW20       176         SW21       192         SW22       192         SW23       192         SW24       176         SW25       160         SW26       400         SW27       192         SW28       176         SW29       176         SW30       176         SW31       96         SW32       96         BLEND33       176         BLEND34       176         BLEND35       112         BLEND36       176	BH14	192
SW17       256         SW18       192         SW19       176         SW20       176         SW21       192         SW22       192         SW23       192         SW24       176         SW25       160         SW26       400         SW27       192         SW28       176         SW29       176         SW30       176         SW31       96         SW32       96         BLEND33       176         BLEND35       112         BLEND36       176	BH15	192
SW18       192         SW19       176         SW20       176         SW21       192         SW22       192         SW23       192         SW24       176         SW25       160         SW26       400         SW27       192         SW28       176         SW29       176         SW30       176         SW31       96         SW32       96         BLEND33       176         BLEND34       176         BLEND35       112         BLEND36       176	SW16	176
SW19     176       SW20     176       SW21     192       SW22     192       SW23     192       SW24     176       SW25     160       SW26     400       SW27     192       SW28     176       SW29     176       SW30     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176	SW17	256
SW20     176       SW21     192       SW22     192       SW23     192       SW24     176       SW25     160       SW26     400       SW27     192       SW28     176       SW29     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176	SW18	192
SW21     192       SW22     192       SW23     192       SW24     176       SW25     160       SW26     400       SW27     192       SW28     176       SW29     176       SW30     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176	SW19	176
SW22     192       SW23     192       SW24     176       SW25     160       SW26     400       SW27     192       SW28     176       SW29     176       SW30     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176	SW20	176
SW23     192       SW24     176       SW25     160       SW26     400       SW27     192       SW28     176       SW29     176       SW30     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176	SW21	192
SW24       176         SW25       160         SW26       400         SW27       192         SW28       176         SW29       176         SW30       176         SW31       96         SW32       96         BLEND33       176         BLEND34       176         BLEND35       112         BLEND36       176	SW22	192
SW25     160       SW26     400       SW27     192       SW28     176       SW29     176       SW30     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176	SW23	192
SW25     160       SW26     400       SW27     192       SW28     176       SW29     176       SW30     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176	SW24	176
SW26       400         SW27       192         SW28       176         SW29       176         SW30       176         SW31       96         SW32       96         BLEND33       176         BLEND34       176         BLEND35       112         BLEND36       176	<del></del>	160
SW27     192       SW28     176       SW29     176       SW30     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176	<del> </del>	400
SW28     176       SW29     176       SW30     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176		192
SW29     176       SW30     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176		176
SW30     176       SW31     96       SW32     96       BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176		
SW31       96         SW32       96         BLEND33       176         BLEND34       176         BLEND35       112         BLEND36       176		
SW32       96         BLEND33       176         BLEND34       176         BLEND35       112         BLEND36       176		
BLEND33     176       BLEND34     176       BLEND35     112       BLEND36     176		
BLEND34     176       BLEND35     112       BLEND36     176		
BLEND35 112 BLEND36 176	<u> </u>	
BLEND36 176		





ANALYTICAL RESULTS FOR OCOTILLO ENVIRONMENTAL, LLC ATTN: JOHN GOOD P.O. BOX 1816 **HOBBS, NM 88241** 

Receiving Date: 01/20/09 Reporting Date: 01/21/09

Project Owner: APACHE CORP. Project Name: HESTER 12-9

Project Location: UL-G S12 T20S R38E

Analysis Date: 01/21/09 Sampling Date: 01/06/09

Sample Type: SOIL Sample Condition: COOL & INTACT

Sample Received By: NF

Analyzed By: HM

		CI_
LAB NO.	SAMPLE ID	(mg/kg)
H16714-1	BH1	208
H16714-2	BH2	224
H16714-3	ВН3	208
H16714-4	BH4	208
H16714-5	ВН5	192
H16714-6	BH6	192
H16714-7	BH7	192
H16714-8	BH8	208
H16714-9	BH9	192
H16714-10	BH10	192
H16714-11	BH11	192
H16714-12	BH12	224
H16714-13	BH13	176
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent	Difference	2.0

METHOD: Standard Methods 4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Date

H16714 OCO



ANALYTICAL RESULTS FOR OCOTILLO ENVIRONMENTAL, LLC ATTN: JOHN GOOD P.O. BOX 1816 HOBBS, NM 88241

Receiving Date: 01/20/09 Reporting Date: 01/21/09 Project Owner: APACHE CORP.

Project Name: HESTER 12-9

Project Location: UL-G S12 T20S R38E

Analysis Date: 01/21/09 Sampling Date: 01/06/09 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: NF

Analyzed By: HM

		Cl_
LAB NO.	SAMPLE ID	(mg/kg)
H16714-14	BH-14	192
H16714-15	BH-15	192
H16714-16	SW16	176
H16714-17	SW17	256
H16714-18	SW18	192
H16714-19	SW19	176
H16714-20	SW20	176
H16714-21	SW21	192
H16714-22	SW22	192
H16714-23	SW23	192
H16714-24	SW24	176
H16714-25	SW25	160
H16714-26	SW26	400
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent	Difference	2.0

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

H16714 OCO



ANALYTICAL RESULTS FOR OCOTILLO ENVIRONMENTAL, LLC ATTN: JOHN GOOD P.O. BOX 1816 HOBBS, NM 88241

Receiving Date: 01/20/09

Reporting Date: 01/21/09

Project Owner: APACHE CORP. Project Name: HESTER 12-9

Project Location: UL-G S12 T20S R38E

Analysis Date: 01/21/09

Sampling Date: 01/06/09 - 01/09/09

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: NF

Analyzed By: HM

		Cl
LAB NO.	SAMPLE ID	(mg/kg)
H16714-27	SW27	192
H16714-28	SW28	176
H16714-29	SW29	176
H16714-30	SW30	176
H16714-31	SW31	96
H16714-32	SW32	96
H16714-33	BLEND33	176
H16714-34	BLEND34	176
H16714-35	BLEND35	112
H16714-36	BLEND36	176
H16714-37	BLEND37	64
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percen	t Difference	< 0.1

METHOD: Standard Methods 4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H16714 OCO



#### CHAIN OF CUSTODY AND ANALYSIS REQUEST

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 · 101 E MARLAND · HOBBS, NM 88240

Sheet 1 of 1

L/	BONATONIES						,	,																
Company Name:	OCOTILLO ENVIR	MNC	EN1	AL		_	7	*******			BILL TO						AN/	LYSIS	REQU	EST				
Project Manager:	JOHN GOOD						P.	O. #	:															
Address:	2125 N. FRENCH D	R.					C	mp	any:	Apa	che Corp										1		, )	, 1
City:	HOBBS State: NM	Ž	Zip:		8824	1	At	tn: N	latal	ie Gl	adden												, !	i l
Phone #.	575-631-3277 Fa	x #:					Ad	dre	ss: P	0 B	ox 1849		l										. 1	i
Project #:	Project Owner:		AP/	CHE	COI	RΡ	Ci	ty: E	unic	e			l								1			i i
Project Name:	HEST	TER 1	12 -	9			St	ate:	N	IM	Zip:	88231									1		1	1
Project Location:	UL-G S1							none			575-39	0-4186	ł	1							}			1
Sampler Name.	ЈОН	N GC	מסכ	)			Fa	x #:					]										i '	
		AΡ			MA	TRIX	(	Р	RESE	RV	SAME	PLING	]	1	}		}			<b>\</b>	1	1	i '	1
Lab I D	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	SLUDGE	ACID/BASE	ICE/COOL	OTHER:	DATE	TIME	•	3.	Chlorides									
H/67/4-1	BH1	G	1			X	T	T	T	T	6-Jan	2:30			X									
H -2	BH2	G	1			X		T		Τ	6-Jan				X									
H -3	BH3	G	1			$\overline{\mathbf{x}}$		T			6-Jan				X									
H -4	BH4	G	1			$\mathbf{x}^{\dagger}$		1	$\top$		6-Jan				X									
H -5	BH5	G	1	П		x		1			6-Jan				X									
Н -6	BH6	G	1		$\neg$	x	$\top$	1	1		6-Jan				X									
H -7	BH7	G	1			X	$\top$	$\top$			6-Jan				X									
H -8	BH8	G	1			X		T	T		6-Jan				X									
Н -9	BH9	G	1	П		X		T			6-Jan				X									
H -10	BH10	G	1	П		X		T	Τ		6-Jan				X									
H -11	BH11	G	1			X		1			6-Jan				X									
H -12	BH12	G	1		1	X		T	T		6-Jan	<b>T</b>	1		X									
H -13	BH13	G	1			X		$\mathbf{I}$			6-Jan	4:30			X									
	ability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based on 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																							

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based on 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 afther 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.

1/1/4.	Date: 1/20/09	Received By:	1 .20	Phone Result: Yes V No Add'l Phone#: Fax Result: Yes No Add'l Fax #:
Com Hood	Time:	Ylisk'-	fullet	Remarks: FAX results to Natilie Gladden. John Good or Natalie Gladden will pickup results when completed please do not mail. Thanks.
Relinquished by:	Date	Received By:		
	Time:			
Delivered By: (Circle One)	Sa	mple Condition	CHECKED BY:	1
Sampler - UPS - Bus - Other	Cod	Yes Yes	(Initials)	
		No No	117.	Note: Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



#### CHAIN OF CUSTODY AND ANALYSIS REQUEST

PHONE (325) 673-7001 - 2111 BEECHWOOD - ABILENE, TX 79603

PHONE (505) 393-2326 · 101 E MARLAND · HOBBS, NM 88240

Sheet 2 of 2

Company Name:	OCOTILLO ENVIR	ONMENTAL		T	************	BILL TO					ANALYSI	S REQU	EST				
Project Manager:	JOHN GOOD			P.O.	#:					<del></del>			1			Т	
Address:	2125 N. FRENCH	DR.				ache Corp							1			ı İ	ļ
City:	HOBBS State: NM	Zip: 88	241	-	Natalie (	<del></del>							ŀ			. 1	
Phone #:	575-631-3277 F	ax #:			ess: PO							ı		1 1		i	
Project #:	Project Owner:	APACHE C	ORP	City:	Eunice	**************************************							1			ı	
Project Name.	HES	TER 12 - 9		State	: NM	Zip:	88231					1	1	1 1	ı	i	
Project Location:		12 T20S R38E		Phor	ne #:	575-39	0-4186	.		İ			l			1 1	
Sampler Name:	JOI	HN GOOD		Fax	#:							1	1				
			MATRIX		PRESERV	SAME	LING					1				i 1	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUND WATER	SOIL	отнек	ACID/BASE ICE/COOL	DATE	TIME		Chlorides								
H/6714-14	BH14	G 1	X	П		6-Jan	2:30		X								
H -15	BH15	G 1	X			6-Jan			X								
H -16	SW16	G 1	X			6-Jan			X			1	1				
H -17	SW17	G 1	X	$\Box$		6-Jan		<del></del>	X			1	<del>                                     </del>		· · · · · · · · · · · · · · · · · · ·		
H -18	SW18	G 1	$\frac{1}{X}$	+	<del>-     -</del>	6-Jan	<b></b>		X				<del> </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>	
H -19	SW19	G 1	$\frac{1}{x}$	1 1		6-Jan			$\frac{\lambda}{x}$				+			<b></b>	
H -20	SW20	G 1	<del> </del> x	╁╌╂					<del>x</del>			+	+	<del> </del>	<u> </u>		<del> </del>
	SW21			┼╌╂		6-Jan	<del>                                     </del>	<b></b>		<del>  -</del>			<del>- </del>		<b></b>	<del> </del>	<del> </del>
		G 1	X   _	+		6-Jan		<b></b>	X				<del> </del>		<u> </u>	ļ	<b> </b>
H -22	SW22	G 1	X	$\bot$		6-Jan			X					<u> </u>		<u> </u>	<u> </u>
H -23	SW23	G 1	X			6-Jan			X								
H -24	SW24	G 1	X			6-Jan			Х						L		
H -25	SW25	G 1	X			6-Jan			X								
H -26	SW26	G 1	X	$\Box$		6-Jan	4:30		X				Γ				
PLEASE NOTE. Liability cause whatsoever shall	and Damages. Cardinal's liability and cl be deemed waived unless made in writing	ient's exclusive remed	for any c	in 30.4	sing whother	based on contra	cl or tort, shall b	in so even	no amount paid	by the client	for the analy	ses. All cla	ins, includ	ding those	for neglig	ence and	any other
	, or lose of profits incurred by client, its																

omerwise. Relinguished by: ✓ No Add'l Phone#: Date: Phone Result: Yes 1/20/09 Add' Fax #: Fax Result: L No Remarks: FAX results to Natilie Gladden. John Good or Natalie Gladden will pickup results when completed - - please do not mail. Thanks. Relinquished by: Date Received By: Time: Delivered By: (Circle One) CHECKED BY: Sample Condition Cool Intact (Initials) Sampler - UPS - Bus - Other ✓ Yes ✓ Yes Note: Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476. No No



## **CHAIN OF CUSTODY AND ANALYSIS REQUEST**

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E MARLAND • HOBBS NIA BR240

Sheet 3 of 3

L/-	BONATONIES	PNO	145 (202) 232-2320 · 101 C HEAT	110000,74			
Company Name:	OCOTILLO ENVIR	RONMENTAL	BILL TO			ANALYSIS REQ	UEST
Project Manager:	JOHN GOOD		P.O. #:				
Address:	2125 N. FRENCH	DR.	Company: Apache Corp		.		
City:	HOBBS State: NM	Zip: 88241	Attn: Natalie Gladden				
Phone #.	575-631-3277 F	Fax #:	Address: PO Box 1849				
Project #:	Project Owner:	APACHE CORP	City: Eunice				1 1 1 1 1
Project Name:		STER 12 - 9	State: NM Zip:				
Project Location:		12 T20S R38E		90-4186			
Sampler Name:	JO	HN GOOD	Fax #:				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUND WATER WASTEWATER SOIL SI LIDGE	<del>,                                     </del>	TIME	Chlorides		
H/1/1/4-27	SW27	G 1 X	6-Jan	2:30	X		
H -28	SW28	G 1 X	6-Jan		X		
H -29	SW29	G 1 X	6-Jan	<del>                                      </del>	X		
H -30	SW30		6-Jan	<del>   </del>	$\frac{1}{x}$		
H -31	SW31		6-Jan	<del>                                     </del>	X		<del></del>
H -32	SW32		<del></del>	4:30	x	<del></del>	
H -33	BLEND33		6-Jan		+ + <del>x</del> +		
		G 1 X	7-Jan	10:15			
H -34	BLEND34	G 1 X	8-Jan	9:30	X		
H -35	BLEND35	G 1 X	9-Jan	1:20	X		
H -36	BLEND36	G 1 X	9-Jan	2:30	X		
H -37	BLEND37	G 1 X	9-Jan	4:00	X		
cause whatsoever, shall	be deemed waived unless made in writi	ing and received by Cardinal with	nin 30-days afther completion of the a	applicable service. In	no event shall Cardinal be !	liable for incidental or consequer	claims, including those for negligence and any other initial damages, including without limitation, business in is based upon any of the above stated reasons or

1 2 1 2 27 3	Date:	Received By:	1	Phone Result: Yes V No Add'i Phone#:
JUJOHN GOOD	1/20/09 Time:	_//-///	1.00	Fax Result: Ye: No Add'l Fax #:  Remarks: FAX results to Natilie Gladden. John Good or Natalie Gladden will pickup results when
	8:03	SINK _	1 11 1 1	completed please do not mail. Thanks.
Relinquished by:	Date	Received By:		
	Time:			
,				
Delivered By: (Circle One)	Sa Cod	imple Condition	CHECKED BY:	
Sampler UPS - Bus - Other		Intact Yes Yes	(Initials)	
		No No	NH _	Note: Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.