State of New Mexico
Energy, Minerals and Natural Resources Department
DEPUTY ON & GAS INSPECTOR

Submit 1 copy to
Appropriate District
and 1 copy to
Santa Fe Office

APR 1 0 1998

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OIL CONSERVATION DIVISION 2040 S. PACHECO Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

and the second	A Company of the Comp				· · ·			
Operator:	Apache Corporation			_Telephone	:	505-325-0	318	. <u></u>
Address:	2855 Southside River Road, St	uite A, Farn	nington, N	M 87401				
Facility or	Well Name:	Apache #	158 Pit #2	<u> </u>				
Location:	Unit or Qtr/Qtr Sec	NWNW	Sec 11	T 24 N	R 4W	_County	Rio Arriba	
Pit Type:	Separator:	_Dehydrato	r	_Other	Blow Pit			
Land Type	e:Jicarilla Tribal							
	Beginning Pit Dimensions:	Length	15	<u>'</u> Width	15	_ Depth	2'	
Pit Location:	Ending Pit Dimensions:	Length	21	<u>'</u> Width	15	_ Depth	1 <u>14'</u>	
(Attach di	agram) Reference:	Wellhead	X	Other				
	Footage from reference:		90)*	_			
	Direction from reference:		330	_Degrees		_East o	North _	XX
					X		South _	
(vertical dista	s to seasonal			Less than 50 feet to Greater th		t	(20 points) (10 points) (0 points)	
groundwater Wellhead		EGE DEC 1	IVE 0 1997			Yes No	(20 points)_ (0 points)	
domestic	water source, or; less than	105 110 1100		Ø,			· · · · · · · ·	
Distance	To Surface Water:			Less than	200 feet		(20 points)	
I \	al distance to perennial				o 1000 feet han 1000 fe		(10 points) (10 points)	0
	nds, rivers, streams, creeks, canals and ditches)				SCORE (-	0
					(-	

Date Remediation Star	ted:	8/14/95		_Date Compl	leted:		6/13/97
Remediation Method: (Check all appropriate		Excavatio	xxx	_Approx. cub	oic yards		248
sections)	Landfarmed	t .	XX	_Insitu Biore	mediation		
		Other					
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)	1:	Onsite	xx	_Offsite _			
General Description o	f Remedial Action:		Excavate	pit to 14', to	ook PID readin	gs.	
Spread soil	l on location for rem	nediation.	Took soil	samples.			
-							
Groundwater Encoun	tered:	No)	<u>X</u> Yes		Depth	
Final Pit:	Sample location		5 point com	posite taken fro	om pit sidewalls ar	nd pit bot	tom center
Closure Sampling: (in multiple samples,						·	
attach sample results and diagram of sample	Sample depth		8 to 10" i	nto pit side	walls 10" into	pit bott	om
locations and depths)	Sample Date		9/15/9	5	Sample Time		12:00 P.M.
	Sample results				<u> </u>		
	Benzene		(ppm)	ND			
	Total BTEX		(ppm)	ND	-		
	Field Headspace		(ppm)	1.86	-		
	TPH			ND	-		
Groundwater Sample		Yes		No			ach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND B		ATION ABO	OVE IS TR	UE AND CO	MPLETE TO T	HE BE	ST OF MY
DATE	November 5, 1997	7	_PRINTEI	D NAME	Jeff Cross		
SIGNATURE Ju	f lun		_AND TIT	LE	Project Mana	ıger	

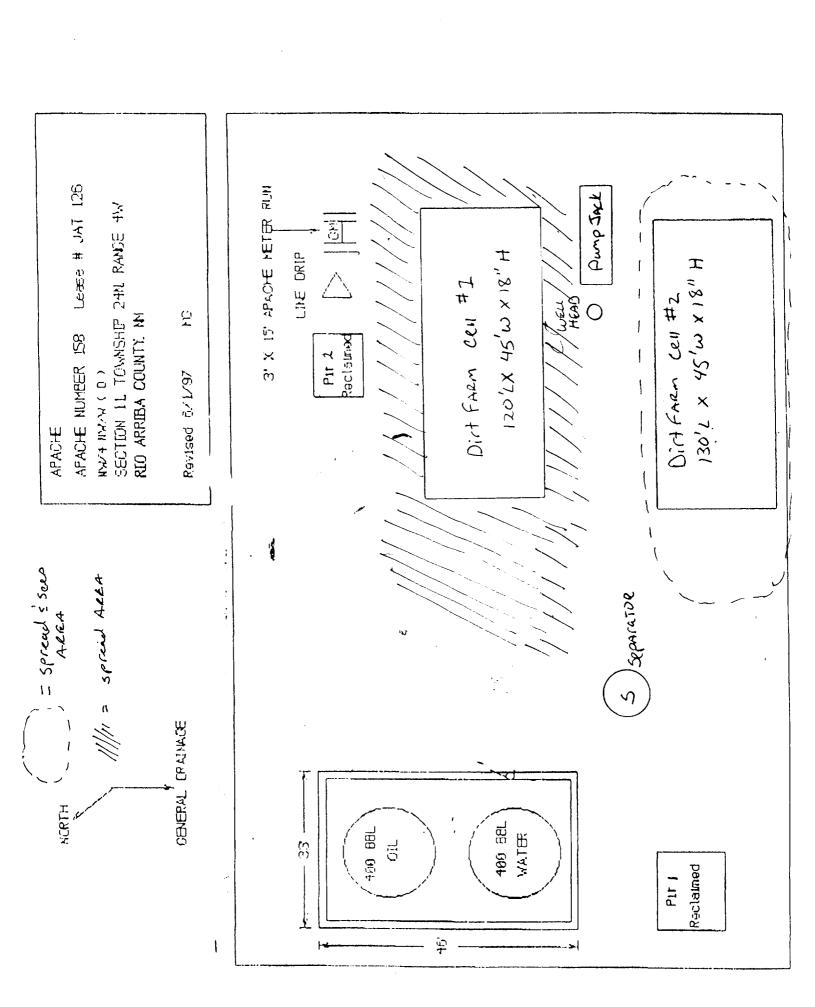
JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P. O. BOX 507 DULCE, NEW MEXICO 87528

Submit 1 copy to Natural Resource Dept. and Oil & Gas Administration

PIT REMEDIATION AND CLOSURE REPORT

Operator:	APA	CHE CORPORA	TION		_Telephone	505-3	25-0318	<u> </u>	
Address:	304	N. BEHREND,	FARMINGTO	ON, N.M.	84701				
Facility or We	ell Na	me:	APACHE #	# 158 PIT #	‡ 2				
Location:	Unit	or Qtr/Qtr Sec	NWNW	SEC 11	T 24N	R 4W	_County	RIO ARRIBA	A
Pit Type:	Sepa	arator:	_Dehydrator	•	_Other	BLOW PI	Τ		
Land Type:		JIC. TRIB	AL		<u> </u>				
Pit Location: (Attach diagra	am)	Pit Dimensions:	Length	21'	Width	15'	Depth	14'	
(,	Reference:	Wellhead	XXX	_Other				
		Footage from re	ference:	90'		-			
		Direction from re	eference:	330	_Degrees		_East of	North _	XX
						x	West	South _	
Donath To Co		lugion			Less than	EO foot		(20 points)	
Depth To Gr		iwater:			50 feet to			(10 points)_	
(vertical distance contaminants to s		al				an 100 fee	+	(0 points)	
high water elevati groundwater)		u			Groutor an	,	•	(· · · · · · · · · · · · · · · · · · ·
Distance to	an Er	hemeral Stream	1:		Less than	100 feet		(10 points)	
	nt dry	wash greater tha			Greater th	an 100 fee	t	(0 points)	0
		est Lake, Playa,	or Waterino	. Pond:	Less than	100 feet		(10 points)	
		es, playas and				ian 100 fee	t	(0 points)	0
		e watering ponds)			Groutor til		•	(o p =	
 Wellhead Pr	rotect	ion Area:				Ye	s	(20 points)	
		et from a private				N		(0 points)	0
domestic wat	ter so	urce, or less than other water source						_	
Distance To	Surf	ace Water:			Less than	100 feet		(20 points)	
		ce to perennial				o 1000 feet		(10 points)	
	-	s, streams, creek	KS,		Greater th	ian 1000 fe	eet	(0 points)	0
irrigation can	nais ar	nd ditches)			RANKING	SCORE (TOTAL POII	NTS) _	0
L									

Date Remediation Star	ted: 8/14	1/95	_Date Comp	oleted:		6/13/97	
Remediation Method:	Excavation	on XXX	_Approx. cu	bic yards		248	
(Check all appropriate sections)	Landfarm	ned XXX	_Insitu Biore	emediation	· •		
	Other						
Remediation Location (i.e. landfarmed onsite,	: On	site XXX	_Offsite				
name and location of offsite facility)				<u> </u>			
General Description of	f Remedial Action:	Excavate pit	to 14',lay so	oil out on	location.		
Water,till	plow,and fertilize	soil.					
Groundwater Encount	ered:	No xxx	_ Yes	·.	Depth		-
Final Pit: Closure Sampling: (in multiple samples,	Sample location	5 point co	mposite tak	en from pi	t sidewalls ai	nd pit botto	m center.
attach sample results and diagram of sample	Sample depth	8" to 10" i	into pit side v	walls ,10" i	nto pit botto	m	
locations and depths) Sample D Sample re		9/15/9	5	Sample 1	Time	12:00 PM	
Soil:	Benzene	(ppm)	ND	_Water:	Benzene	(ppb)	NA
	Total BTEX	(ppm)	ND	-	Toluene	(ppb)	NA
	Field Headspace	(ppm)	1.86	_ E1	hylbenzene	(ppb)	NA
	TPH	(ppm)	ND	_ т	otal Xylenes	(ppb)	NA
Groundwater Sample:		Yes	_ No	XXX	(If yes atta	ach sample	results)
I HEREBY CERTIFY T KNOWLEDGE AND BE		ATION ABOVI	E IS TRUE A	ND COM	PLETE TO	THE BEST	OF MY
DATE	7/24/97	PRINTED	NAME		JEFF CR	oss	·-
SIGNATURE	efflur	AND TIT	LE		PROJECT	r MANAGE	R
AFTER REVIEW OF THE JICARILLA APAC				SURE IS A	APPROVED	IN ACCOR	DANCE TO
APPROVED: YE	s_ <u>X</u>	NO	_(REASON]			<u> </u>
SIGNED: Keu	EC. Ma		DATE:		30 - 9	ラ ク	



Notes:

From: FRED HOLMES To: John Taylor

Date:	Date: 08/14/95 Date Start: (4/95	5	/95			PIT CLOS (C) Well Number: 1: Number of Pits: 2	S	SURE STATUS R (CONFIDENTIAL) 158 *C /6	NFIG S	C NAT	US F	(Epp	SREPORT (L) (L/30/95	Proj. Number: 95017 Date Finished: 08/15/95	-Inish	ed:	95017	7 5/95					
	Туре:	エ	×	0		Dimensions Pit 1 Start:	27' X 21' 3'	ယ္						Dimensions	Pit 1 Finished:	inishe	ä	33' X	33' X 33' X 14'	14'				
12	Type:	ェ	_	0	×	Dimensions Pit 2 Start:	15' X 15' 2'	\ \2						Dimensions	Pit 2 Finished:	inishe	ed:	15' 2	15' 21' X 14'	#:				L
ω	Туре:	エ	_	0	<u> </u>	Dimensions Pit 3 Start:								Dimensions	Pit 3 Finished:	inishe	ed:							
					Tot	Total Cu. Yards Removed:	648							Total Liquids Removed:	Remo)ved:								لبسا
								ΤP	TPH & BTEX ANALYSIS	3TE	AN	ALY	SIS								:			Ц
S	Date Sampled		Pit No.			Type (Grab or	Interval (Depth)					Loc	Location	_		<u> </u>	TPH (mg/Kg)	<u>e</u>	:	- -	BTEX (mg/Kg)	=		L
		-				composite)													-	-4	m	× 65	ę,	—
T	8/25/95		>	<u> </u>	δ	Composite	14	5 pg	5 part composite	mpog	ite						3200		B	S S	S S	S	S.	Щ
	8/25/95		12	<u> </u>	δ	Composite	14'	5 ps	part composite	mpog	site						170		S	8 B	N D	S	R	<u> </u>
,	09/15/95		_	ļ	δ	Composite	14'	5 p	5 part composite	m pog m	ite						370		g	B	Ŗ	S	ND	ــــــــــــــــــــــــــــــــــــــ
o	09/15/95	-	2	<u> </u>	δ	Composite	14	S D	5 part composite	mpo	site						₽ F	ļ 	B	B	A	N O	S.	ــــــــــــــــــــــــــــــــــــــ
				<u> </u>																		•.		
																								<u> </u>
		-																						Щ
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		-																						
												ļ												

	100				
	1250	Bottom, Center	œ	2	08/15/95
	2100	Bottom, N.W.	φ	2	08/15/95
	0.0	Bottom, W.	œ	2	08/15/95
	774	Bottom, S.W.	φ	2	08/15/95
	>2500	Bottom, S.	æ	2	08/15/95
	>2500	Bottom, S.E.	œ	2	08/15/95
	0.0	Bottom, E.	œ	2	08/15/95
Excavated as much as feasible form the area.	770	Bottom, N.E.	œ	2	08/15/95
South and Southeast comers had strong odors and heavy staining.	54.2	Bottom, N.	œ	2	08/15/95
	130	Bottom, Center	7'		08/15/95
	259.0	Bottom, N.W.	71	_	08/15/95
	58.0	Bottom, N.	7'	-	08/15/95
	66.1	Bottom, W.	7'	_	08/15/95
	6.2	Bottom, S.W.	7.		08/15/95
	150	Bottom, S.	7'		08/15/95
hydrocarbon as VO's are low	0.0	Bottom, S.E.	7'	_	08/15/95
first 6. heavy staining bleeds towards the southwest. Also, noted heavy staining in the center. Readings indicate stains may be all	70.0	Bottom, E.	7'	_	08/15/95
Pudding like substance the first 4' major staining cleared up after	0.0	Bottom, N.E.	7'	_	08/15/95
Notes:	Reading (ppm)	Location	Interval (Depth)	No.	Date
Site Number: 158		PID READINGS	PIC	-	

Date: 10/28/95 Time: 22:12:51

		PII	PID READINGS		Site Number: 158
Date	Pit No.	Interval (Depth)	Location	Reading (ppm)	Notes:
08/16/95	_	10'	Bottom, N.E. Comer	336	Noted, sidewalls are so inhing harty on this sto
08/16/95	-1	10'	Bottom, S.E. Comer	785	and and granty on une stage.
08/16/95	1	10'	Bottom, S.W. Corner	32.6	
08/16/95	-	10'	Bottom, N.W. Corner	1004	
08/16/95	.1	10'	Bottom, Center	52.1	
08/16/95	2	10'	Bottom, N.E. Comer	106	Noted, sidewalts are sloughing bady on this site
08/16/95	2	10'	Bottom, S.E. Comer	442	
08/16/95	2	10'	Bottom, S.W. Corner	180	9
08/16/95	2	10'	Bottom, N.W. Corner	5.4	
08/16/95	2	10'	Bottom, Center	403	
09/15/95	_	14:	Bottom, N.E. Corner	1.6	PID readings of samples before sending to the lab.
09/15/95		14'	Bottom, S.E. Corner	2.0	
09/15/95	-	14'	Bottom, S.W. Corner	1.9	
09/15/95	-	14'	Bottom, N.W. Comer	1.5	
09/15/95		14'	Bottom, Center	3.0	
09/15/95	2	14'	Bottom, N.E. Corner	2.0	
09/15/95	2	14'	Bottom, S.E. Comer	1.8	
09/15/95	2	14'	Bottom, S.W. Corner	1.7	
09/15/95	2	14'	Bottom, N.W. Corner	1.6	
09/15/95	2	14'	Bottom, Center	2.2	

APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

		Joicanna Apache
LOCATION	APACHE # 158	Review and App
		OCD-BLM
PIT COUNT	2	EPO Represent

Jicarilla Apache Tribal EPO/OCD/BLM
Review and Approval
OCD--BLM
EPO Representative
Date of Review

DIMENSIONS START; PIT #1 & # 2 8/14/95 FINISH: PIT #1 & # 2, 9/15/95	
W	400
Pit 2	
Pit 3	
Center	248
Center	
Center	Pit 3 @
NW Corner	
NE Corner 1.9	
SW Corner 1.5	
SE Corner 3 2 SE Corner NOTES: 8/15/95	
SOIL SAMPLING	
SOIL SAMPLING SOIL SAMPLE SOIL SOIL SAMPLE SOIL SAMPLE	
SOIL SAMPLING	
Note	
Center NOT TAKEN NOT TAKEN PIT TPH BETEX WIT	
NW Corner	
NE Corner 1 3200 ND IF	ESS DATE
SW Corner	
SE Corner 3	S 8/25/95
RE-SAMPLE OR CELL(S) SAMPLE DATE: 9/15/95 Pit 1 @ 14' Pit 2 @ 14' Pit 3 @ ANALYSIS RESULTS PER L Center 1.6 2.2 PIT TPH BETEX WITI P NW Corner 2 1.6 NO NO ND JI I NE Corner 1.9 1.7 1 370 ND JI D SW Corner 1.5 1.8 2 ND ND JI	S 8/25/95
DATE: 9/15/95 Pit 1 @ 14' Pit 2 @ 14' Pit 3 @ ANALYSIS RESULTS PER L Center 1.6 2.2 PIT TPH BETEX WIT NW Corner 2 1.6 NO NE Corner 1.9 1.7 1 370 ND JI SW Corner 1.5 1.8 2 ND ND JI	- 0,20,00
Center 1.6 2.2 PIT TPH BETEX WITI P NW Corner 2 1.6 NO I NE Corner 1.9 1.7 1 370 ND JI D SW Corner 1.5 1.8 2 ND ND JI	5.20700
P NW Corner 2 1.6 NO I NE Corner 1.9 1.7 1 370 ND JI D SW Corner 1.5 1.8 2 ND ND JI	- 0.20100
I NE Corner 1.9 1.7 1 370 ND JI D SW Corner 1.5 1.8 2 ND ND JI	B ASSAIGA
D SW Corner 1.5 1.8 2 ND ND J	B ASSAIGA
	B ASSAIGA
SE Corner 3	B ASSAIGA
SE Corner 3 2 3	B ASSAIGA ESS DATE T 9/15/95
CELL(S) SAMPLE	B ASSAIGA ESS DATE T 9/15/95
DATE: 6/13/97 CELL # 1 CELL #2 CELL # 3 ANALYSIS RESULTS PER L	B ASSAIGA ESS DATE T 9/15/95
Center 11 POINT 11 POINT CELL TPH BETEX WITH	B ASSAIGA ESS DATE T 9/15/95 T 9/15/95
P NW Corner COMPOSITE COMPOSITE NO	B ASSAIGA ESS DATE T 9/15/95 T 9/15/95 B ASSAIGA
NE Corner PID READ. PID READ. 1 ND ND JEF	B ASSAIGA ESS DATE T 9/15/95 T 9/15/95 B ASSAIGA
D SW Corner 1.7 PPM 1.4 PPM 2 ND ND JEF	B ASSAIGA ESS DATE T 9/15/95 T 9/15/95 B ASSAIGA ESS DATE
SE Corner 3	B ASSAIGA T 9/15/95 T 9/15/95 B ASSAIGA ESS DATE C. 6/17/97

~ .0 ID: 9509143-05A Sample ID: AP# 158H

Collected: 09/15/95 11:07:00 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_ F	DATE ANAL	BATCH_ID
BTEX/SW846 \$020A Benzene Toluene Ethylbenzene P-&m-Xylenc O-Xylene	, , , , , , , , , , , , , , , , , , ,	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0010 0.0010	\$.0 \$.0 \$.0 \$.0 \$.0	09/21/95 09/21/95 09/21/95 09/21/95 09/21/93	SBTXME075 SBTXME075 SBTXME075 SBTXME075 SBTXME075
Lab M: 9509143-05B Sample M: AP# 158H		Collected: Matrix: So		95 11	:07:00	
rest / method	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCS DIESEL/CAL DHS 8015M Diesel HCS DSL XT/CAL DHS 8015M	370 09/19/95	mz Kg N/A	5.0	20)	09/22/95	SLFTD44
Lab ID: 9509143-06A Sample ID: AP#158C		Collected: Matrix: So		95 12	:00:00	
EST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND ND ND ND ND	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0010 0.0010	5.0 5.0 5.0 5.0 5.0	09/21/95 09/21/95 09/21/95 09/21/95 09/21/95	SBTXME075 SBTXME075 SBTXME075 SBTXME075 SBTXME075
Lab ID: 9509143-06B Sample ID: AP#158C		Collected: Matrix: So		95 12	:00:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
ICS DESEL/CAL DHS 8015M Diesel ICS DSL XT/CAL DHS 8015M	ND • 09/19/95	mg/Kg N/A	5.0	5.0	09/21/95	SLFTD44
Lab ID: 9509143-07A Sample ID: AP# 145H		Collected: Matrix: So		95 12	:46:00	
rest / method	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene	DN DN	mg/Kg mg/Kg	0.0010 0.0010	5.0 5.0	09/21/95 09/21/95	SBTXME075 SBTXME075

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P. O. BOX 507 DULCE, NEW MEXICO 87528

Submit 1 copy to Natural Resource Dept. and Oil & Gas Administration

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>APACHE (</u>	CORPORATION			Telephone	e	505-325-0	318	
Address:	304 N. BEHREN	ID, FA	RMINGTO	N , N.M. 8	37401			
Facility or Well Name:	APAG	CHE	# 158	CELL #1				
Location: Unit or Qtr	/Qtr Sec	D	Sec 11	T 24N	R 4W	_County	RIO ARRI	BA
Land Type	JIC. TRIBAL							
Date Remediation Starte	ed: 8/1	4/95		Date Com	npleted:		6/13/97	
Remediation Method:	Landfarmed		XXX	Approx. c	ubic yards		300	-
	Composted Other			-				
Depth to Groundwater:		(pts)	0		Final Clos	sure Samp	ling	
Distance to an Ephemer	al Stream:	(pts)	0	 Sampling	Date:	6/13/97		11:00AM
Distance to Nearest Lak or Watering Pond:	e, Playa,	(pts)	O	Sample R			۲,	
Wellhead Protection Are	ea:	(pts)	0]	idspace (ppr			N1004 <i>E</i>
Distance To Surface Wa	ater:	(pts)	0	TPH		ND ND		M8015
RANKING SCORE (TO	TAL POINTS)		0	Othe	er <u>BTEX\S</u>	VV846 , 8U.	ZUA (INL	<i>)</i>
I HEREBY CERTIFY TH KNOWLEDGE AND BE	LIEF	MATIC	N ABOVE	I IS TRUE A	AND COMPI	LETE TO T	HE BEST (OF MY
DATE: <u>7-2</u>	4-97		PRINTED	NAME		JEFF CF	ROSS	
SIGNATURE ()	ufflion		TITLE		PROJECT	MANAG	ER	
AFTER REVIEW OF TH							N IS APPRO	OVED IN
APPROVED: YES	s_ <u>X</u>	NO)	_(REASOI	٧)			_
SIGNED:	.C. Man	\mathcal{L}	DATE:	<u></u>	30-95)		_

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P. O. BOX 507 DULCE, NEW MEXICO 87528

Submit 1 copy to Natural Resource Dept. and Oil & Gas Administration

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>APACHE</u>	CORPORATION			Telephon	e	505-325-0	0318	
Address:	304 N. BEHREN	ND, FA	RMINGTO	N , N.M. 8	37401			
Facility or Well Name:	APA	CHE	# 158	CELL#2				
Location: Unit or Qt	r/Qtr Sec	D	Sec 11	T 24N	R 4W	County	RIO ARR	IBA
Land Type	JIC. TRIBAL							
Date Remediation Start	ed: 8/1	4/95		Date Con	npleted:		6/13/97	
Remediation Method:	Landfarmed		xxx	Approx. o	cubic yards		325	
	Composted Other			-				
Depth to Groundwater:	· · · · ·	(pts)	0		Final Clos	sure Samp	oling	· · · · · · · · · · · · · · · · · · ·
Distance to an Epheme	ral Stream:	(pts)	0	Sampling	Date:	6/13/97	Time:	11:00AM
Distance to Nearest Lak or Watering Pond:	ke, Playa,	(pts)	0	Sample F				
Wellhead Protection Are	ea:	(pts)	0		adspace (ppr			110015
Distance To Surface W	ater:	(pts)	0		(ppm)			****
RANKING SCORE (TO	TAL POINTS)		0	Othe	er <u>BTEX \S</u>	W846 , 80	20A (NL))
I HEREBY CERTIFY THE KNOWLEDGE AND BE	ELIEF							OF MY
DATE: 7-0	Alun		- TITLE	1 47 (18) <u>C</u>	PRO IECT	T MANAG	FR	
I	v							
AFTER REVIEW OF THE ACCORDANCE TO THE							N IS APPRO	OVED IN
APPROVED: YES	s_ <u>×</u> _	NO		_(REASO	N)			_
SIGNED:	E.C. Ma	_U	/ _DATE:	<u> </u>	30 - 9	77		- -

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SIT	ΓE	APACHE #158	~~		_	
* AMOUNT OF SOI	IL UNDERGO	DING REMEDIATION		625	Yds.	
				SampDATE	TPH	BTEX
CELL No1	1	,		6/13/97	ND	ND
DIMENSIONS(LxWxH)	120'	X 45' X 18"				
CELL LOCATION (dir.	from well head	NORTH	_			
* DATE BEGAN:	8/14/95					
DATE TERMINATED (TPH <5,000 ppr	m/BTEX< 50 ppm/Benzene <	< 10 ppm)	6/13/97	,	-
				SampDATE	TPH	BTEX
CELL No. 2	2			6/13/97	ND	ND
DIMENSIONS(LxWxH)	130'	X 45' X 18"	_			
CELL LOCATION (dir. 1	from well head	SOUTH				
* DATE BEGAN:			•			
_	<u> </u>		I		1	<u> </u>
DATE TERMINATED (1	TPH <5,000 ppr	m/BTEX< 50 ppm/Benzene <	< 10 ppm)	6/13/97	,	-
CELL No. NA				SampDATE	TPH	BTEX
DIMENSIONS(LxWxH)						
DINILITOIO TO(LATTAL,)			-			
CELL LOCATION (dir. 1	from well head		-			
* DATE BEGAN:						
DATE TERMINATED (1	TPH <5,000 ppr	m/BTEX< 50 ppm/Benzene <	< 10 ppm)	<u> </u>		•
REMEDIATION RECOR	RD: (Date, Trea	itment, Tilling)				
		L #1 TREAT WITH 46-0-				
5/22/97 DI	IRT FARM CEL	L #2 TREAT WITH 46-0-0	0 FERTILIZ	ZER, PLOW A	ND TILLEL).
		S#1,& #2 TOOK 11 POI			10" INTO C	ELL
DIRT FARM	1 CELL #1 11 F	POINT COMPOSITE PID R	EADING 1.	7 PPM.		
DIRT FARM	I CELL # 2 11 F	POINT COMPOSITE PID RE	EADING 1.4	PPM.		

From excavation reports.

NOTES:	\Diamond		0	WELL NAME: SAMPLE DATE: DIMENSIONS:
ALL SAMPLES TAKEN 10" TO 12" INTO CELL.	0		0	Apache #158 CELL #16-13-57
L SAMPLES TAKEN 10" TO 12" INTO CELL.	0	•	0	X18"H
	0		0	= SAMPLE AREA

NOTES:	0		O'	WELL NAME: SAMPLE DATE: DIMENSIONS:
ALL SAMPLES TAKEN 10" TO 12" INTO CELL. TOOK IT POINT COMPOSITE SAMPLE	0		0	Apache #158 cect #2 6-13-97 130'(x 45'w x 18"H
emposite sample	0	0	0	18"H
				<u> </u>
	0		0	= SAMPLE AREA



ASSAIGAI ANALYTICAL LABORATORIES, INC.

JUN 26 1997

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

Report Generated: June 23, 1997 12:16

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER #

: 9706148

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED : 06/13/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706148-01A

Sample ID: AP 158 CELL #1

Collected: 06/13/97 11:00:00

Matrix: SOIL

TEST / METHOD	 RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND - ND ND ND ND	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0020 0.0010	500 500 500 500 500	06/17/97 06/17/97 06/17/97 06/17/97 06/17/97	SBTXME170 SBTXME170 SBTXME170 SBTXME170 SBTXME170

Lab ID: 9706148-01B

Sample ID: AP 158 CELL #1

Collected: 06/13/97 11:00:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	ND	mg/Kg	50	25	06/17/97	SDRO33

Lab ID: 9706148-02A

Sample ID: AP 158 CELL #2

Collected: 06/13/97 11:30:00

Matrix: SOIL

Sumple IDITE 200						
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND ND ND ND ND	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0020 0.0010	500 500 500 500 500	06/19/97 06/19/97 06/19/97 06/19/97 06/19/97	SBTXME171 SBTXME171 SBTXME171 SBTXME171 SBTXME171



Page: 2

Lab ID: 9706148-02B Sample ID: AP 158 CELL #2

Collected: 06/13/97 11:30:00 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	ND	mg/Kg	50	25	06/17/97	SDRO33

ურ William P. Biava

President

WORKORDER COMMENTS

DATE : 06/23/97

WORKORDER:

DEFINITIONS/DATA QUALIFIERS

The following are definitions, abbreviations, and data qualifiers which may have been utilized in your report:

ND = Analyte "not detected" in analysis at the sample specific detection limit.

D F = Sample "dilution factor"

 \overline{NT} = Analyte "not tested" per client request.

B = Analyte was also detected in laboratory method QC blank.

E = Analyte concentration (result) is an estimated value or exceeds analysis calibration range.

LIMIT = The minimum amount of the analyte that AAL can detect utilizing the specified analysis.

Please Note: Multiply the "Limit" value (AAL's Detection Limit) by Dilution Factor (D F) to obtain the sample specific Detection Limit.

REPORT COMMENTS



Chain of Custody Record

Project Manager / Contact _J cff_Cross-

Client -Apache Corporation

/JUN JEFFERJOUN, N.E.
ALBUOUERQUE, NEW MEXICO 87109
(505) 345-8964 3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-6000

1910 N. BIG SPRING MIDLAND, TEXAS 79705 (915) 570-1116

MELOUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Address 304	4 N. Behrend			_	Telephone No.	No. (505) 774-6643	4-6643		_			Analysis Required			
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