State of New Mexico

APR 1 0 1998

OIL CONSERVATION DIVISION 2040 S. PACHECO Santa Fe, New Mexico 87505 Submit 1 copy to
Appropriate District
and 1 copy to
Santa Fe Office

# PIT REMEDIATION AND CLOSURE REPORT

	V. of amoderna Inhale firestate with income and	<del></del>						
. 12	Apache Corporation			Telephone	∋:	505-325-0	318	
Address:	2855 Southside River Road, S	Suite A, Farr	mington, N	JM 87401				
Facility or '	Well Name:	Apache #	157 Pit #2	2				
Location:	Unit or Qtr/Qtr Sec	SW NE	Sec 4	T 24 N	R 4W	_County	Rio Arriba	
Pit Type:	Separator:	Dehydrato	or	_Other	Blow Pit			_
Land Type	e: Jicarilla Tribal							
	Beginning Pit Dimensions:	Length	1 <b>8</b>	* Width	21'	' Depth	11	
Pit Location:	Ending Pit Dimensions:	Length	18	<u>.'</u> Width	n21'	<u>'</u> Depth	n <u>8'</u>	
(Attach dia	agram) Reference:	Wellhead	X	_Other				
	Footage from reference:		120	)*	_			
	Direction from reference:		60	_Degrees	X	_East	North _	XX
						of _West	f South	
(vertical distan contaminants t high water elev	to seasonal evation of			Less than 5 50 feet to 9 Greater tha			(20 points) (10 points) ( 0 points)	0
(Less than domestic w	Protection Area: 200 feet from a private water source, or; less than	DEC N dec	<b>邑</b> □Ⅵ邑 1 0 1997			Yes No	(20 points) _ ( 0 points) _	
1000 feet fi	from all other water sources)	00L CC	ON. D Ist. 3					
(Horizontal lakes, pond	To Surface Water: I distance to perennial ds, rivers, streams, creeks, anals and ditches)			Less than 2 200 feet to Greater tha		et	(20 points)	0
	,			RANKING	SCORE (T	OTAL POIN	1TS) _	20

Date Remediation Sta	rted:	8/11/95		_Date Comp	leted:	6/13/97
Remediation Method: (Check all appropriate		Excavatio	XXX	_Approx. cu	bic yards	100
sections)	Landfarmed	i	XX	_Insitu Biore	mediation	
		Other				
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)	:	Onsite	XX	_Offsite		
General Description o	f Remedial Action:		Excavate	pit to 8', to	ok PID readings.	
Spread soi	on location for ren	nediation.	Took soil	samples.		
Groundwater Encoun	tered:	No		X Yes		Depth
Final Pit: Closure Sampling: (in multiple samples,	Sample location		5 point con	nposite taken fr	om pit sidewalls and	pit bottom center
attach sample results	Comple donth		9 40 40"	into nit aido	wells 40" into ni	t hottom
and diagram of sample locations and depths)	, ,			· · · · · · · · · · · · · · · · · · ·	walls 10" into pi	
	Sample Date Sample results		9/7/9	5	Sample Time	11:00 A.M.
	Benzene		(ppm)	ND		
	Total BTEX		(ppm)	ND	-	
	Field Headspace		(ppm)	1.94	-	
	TPH			ND	-	
Groundwater Sample		Yes		_ No		s attach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND B		ATION ABO	OVE IS TR	UE AND CO	MPLETE TO THE	E BEST OF MY
DATE	November 5, 1997	,	PRINTE	NAME	Jeff Cross	
SIGNATURE	flion		_AND TIT	LE	Project Manage	er

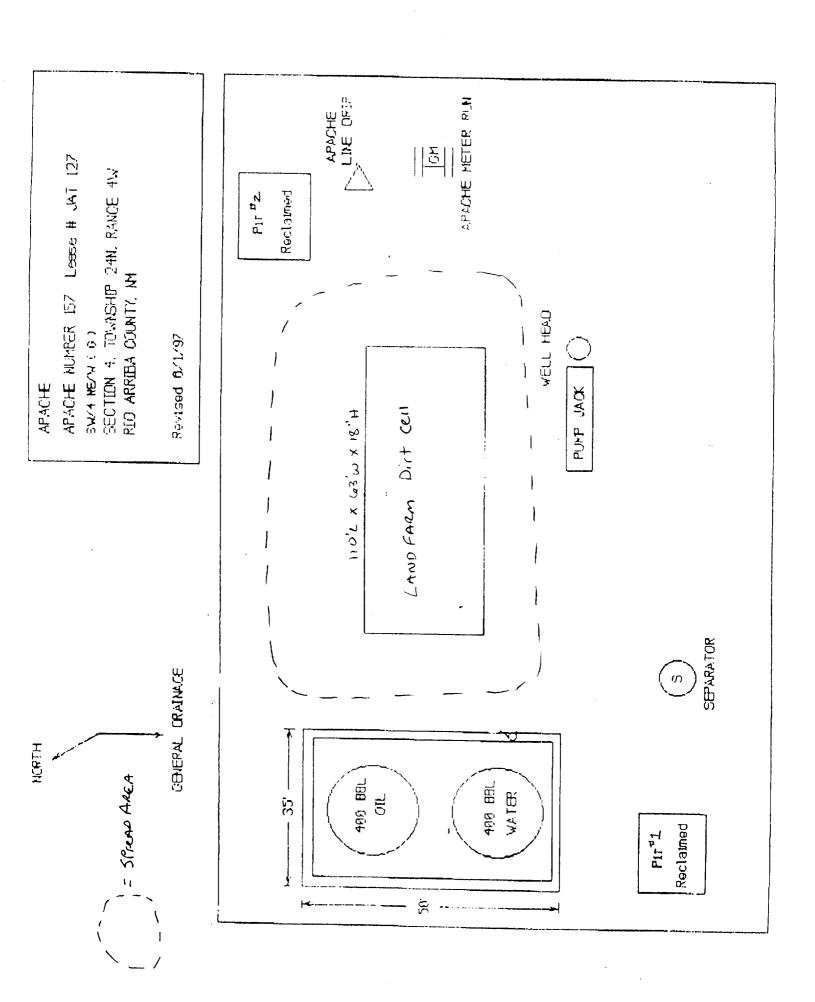
# JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P. O. BOX 507 DULCE, NEW MEXICO 87528

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

# PIT REMEDIATION AND CLOSURE REPORT

Operator:	APA	CHE CORPORA	TION		_Telephone	·	505-32	5-0318		
Address:	304	N. BEHREND,	FARMING1	TON, N.M.	84701				<del></del>	,
Facility or We	ell Na	me:	APACHE	# 157 PIT	# 2				<del></del>	
Location:	Unit	or Qtr/Qtr Sec	SWNE	SEC 4	T 24N	R 4	<b>w</b>	County	RIO ARRIB	Α
Pit Type:	Sepa	arator:	_Dehydrato	or	_Other	BLC	OW PIT	·		
Land Type:		JIC. TRIB	4L			<del></del>				
Pit Location: (Attach diagra	am)	Pit Dimensions:	Length Wellhead	XXX	_ Width _Other	)	21'	Depth	8'	
		Footage from re		60	Degrees	<del>-</del>	x	East	North	xx
							<u> </u>	.VVest	South	
Depth To Gr	ound	lwator	<del> </del>	· · · · · · · · · · · · · · · · · · ·	Less than	EO fo	oot		(20 points)	
(vertical distance		iwater.			50 feet to				(10 points)	
contaminants to s		n!			Greater th				( 0 points)	
high water elevation groundwater)		ai			Oreater th	all I	oo icci		( o pointo) _	
Distance to a	an En	hemeral Stream	1.		Less than	100 1	feet		(10 points)	
	_	wash greater tha			Greater th				( 0 points)	
ten feet in wid		a g. aatar ta			o outor in		00 1000		( • • • • • • • •	
Distance to I	Neare	est Lake, Playa,	or Waterin	a Pond:	Less than	100 1	feet		(10 points)	
				_	Greater th				( 0 points)	0
		watering ponds)							` ' '-	
Wellhead Pro	otect	ion Area					Yes		(20 points)	20
		t from a private					No		(0 points)	
		urce, or less than							(	
		other water source	es)							
Distance To	Surfa	ace Water:			Less than	100 1	feet		(20 points)	
		ce to perennial			100 feet to				(10 points)	
lakes, ponds,	riven	s, streams, creek	s,		Greater th	an 10	000 fee	t	( 0 points)	0
irrigation can	als ar	nd ditches)			RANKING	sco	ORE (T	OTAL POI	NTS)	20

Date Remedi	ation Start	ed: <u>8/1195</u>		Date Comp	oleted:	6/13/97			
Remediation		Excavation	XXX	_Approx. cu	bic yards	100			
(Check all apposections)	propriate	Landfarme	ed XXX	_Insitu Biore	emediation	·			
		Other							
Remediation		Ons	ite XXX	Offsite			·		
(i.e. landfarm name and loc	ation of								
offsite facility		Pomodial Actions	Evoquata nit f	o el lav coi	Lout on locatio	n			
		Remedial Action: I	<del></del>	o o ,iay soi	i out on locatio	П.			
	water,till,	plow,and fertilize s	OII.						
Groundwate	r Encounte	ered:	No xxx	- Yes		Depth			
Final Pit: Closure Sam (in multiple sa		Sample location	5 point cor	mposite take	en from pit sidew	alls and pit botto	m center.		
attach sample and diagram	of sample	Sample depth	8" to 10" ir	nto pit side v	valls ,10" into pit	bottom.			
locations and	depths) Sample Da Sample re		9/15/95	i	Sample Time	11:48 AN	1		
	Soil:	Benzene	(ppm)	ND	Water: Benz	zene (ppb)	NA		
		Total BTEX	(ppm)	ND	Tolu	ene (ppb)	NA		
		Field Headspace	(ppm)	1.94	Ethylben	zene (ppb)	NA		
		ТРН	(ppm)	ND	Total Xy	lenes (ppb)	NA		
Groundwate	r Sample:	Y	'es	_ No	XXX (If ye	es attach sample	results)		
I HEREBY CI KNOWLEDG		AT THE INFORMA	TION ABOVE	IS TRUE A	ND COMPLETE	TO THE BEST	OF MY		
DATE	<del></del>	7/24/97	PRINTED	NAME	JEF	F CROSS			
SIGNATURE		flun	AND TITL	E	PRO	JECT MANAGE	:R		
		E PIT CLOSURE IN LE TRIBE PIT CLO		•	SURE IS APPRO	VED IN ACCOR	DANCE TO		
APPROVED:	YES	<u>×</u> .	NO	_(REASON)					
	,		M						
SIGNED:	Ken	C Man	$\mathcal{U}$	_DATE:	7-30	-97			



Notes:

Date		Ι	1	Τ-	1	т—	T	Г	T	T	Т	<del></del>	Т	Τ	Τ,.	7	<del>                                     </del>	<del></del>	Τ_	Т_	т
Differential   Diff							99	99,	8	8,		Sar			-		+	1	Date	Date	
Main							15/95	15/95	25/95	25/95		nplec			уре:	ype:	ype:		Start	1	
	-		<u> </u>	-					-				-		I	ェ	I			/10/96	
Veli Number: APACHE 157   CONFIDENTIAL    Veli Number: APACHE 157   CONFIDENTIAL    Dimensions Pit 1 Start:   21' X 18' X 1'   Dimensions Pit 2 Start:   21' X 18' X 1'   Dimensions Pit 3 Start:   21' X 18' X 1'   Dimensions Pit 3 Finished:   21' X 18' X 8'   Dimensions Pit 3 Finished:   21' X 18' X 8'   Dimensions Pit 3 Finished:   21' X 18' X 8'   Dimensions Pit 3 Finished:   21' X 18' X 8'   Dimensions Pit 3 Finished:   21' X 18' X 8'   Dimensions Pit 3 Finished:   21' X 18' X 8'   Dimensions Pit 3 Finished:   21' X 18' X 8'   ETEX ANALYSIS    Type							2		N			No Pit					×		8/1	"	
Well Number: APACHE 157   YC_ 10  30   45   Proj. Number: 95017			<u> </u>			<u> </u>			ļ	<u> </u>					0	<del> </del>	0	-	0/95		
Well Number   APACHE 157   KC   to   30   95   Proj. Number: 95017							δ	δ	δ	δ				헍	<u> </u>	<del> </del>	-	-			
Well Number   APACHE 157   KC   10   30   45   No   Number   S5017							posit	nposit	posit	nposi	6	G		al Qu	Dimer	Dimer	Dimer	i			
Viell Number: APACHE 157				Ì			(D)	(F)	Ō	6	700	ype rab o		. Yar	sion	nsion	sion				
Viell Number: APACHE 157											(6)	7		ds Re	s Pit	s Pit	SP				
Viell Number: APACHE 157				<u> </u>	-		ļ			ļ	ļ			move	3 Sta	2 Sta	1 Sta				
PIT CLOSURE STATUS REPORT           (CONFIDENTIAL)           Umber: APACHE 157												(D) II			7.7	ļ	ļ		z	5	-
PIT CLOSURE STATUS REPORT           (CONFIDENTIAL)           Umber: APACHE 157							ᾱ	ω	α	α		erva epth		389.0		21' X	30' ×		)dmb	ell N	
CONFIDENTIAL)   APACHE 157   C   10   30   45   Proj. Number: 95017			_	<u> </u>		ļ				<u></u>				67		18'	39'	_	of St of	lumb	PIT
Proj. Number: 95017							5 Pa	5 Pa	5 Pa	5 Pa			쿠			1-1-X	X 2.5	DIME			_ C
Proj. Number: 95017				1			8	δ	β	S y			% T				_	ISN	2	APA	(CO)
Proj. Number: 95017							mpog	mpos	mpog	mpog			STEX					SNC		岩	E S.
Proj. Number: 95017							site o	ite o	ite o	site o		_	AN					& ≺		157	E A
Proj. Number: 95017							f Pit II	f Pit	Pit	f Pit I		Loca	TY:					20		5	JS R
Proj. Number: 95017							3otto	3otto	Softo	Botto		tion	Sis		<u> </u>			ନ୍ଲ		1	EPO
Der: 95017  Der: 9							3	3	] 3	3				Tota	Dim	Dim	밁	<u> </u>			꼭
Der: 95017  Der: 9														l Liqu	nsio	nsio	nsio			5.6	
Ped: 95017    Color   State														ids R	ns Pit	ns Pit			D D	<b>!</b>	
Der: 95017  Der: 9				ļ										'emov	3 FIr	2 FIr	1 =	•	ate Fi	[호.   호.	
95017    30' x 45' x 8'   21' x 18' x 8'						1	-	7	-	,		(m)		èd:	ishe	nishe	nished		nishe	umbe	
0' X 45' X 8' 1' X 18' X 8'  ND N							á	á	ð	8		PH J/Kg)			: <del>:</del>	ļ			Ä	i 1	
## ## ## ## ## ## ## ## ## ## ## ## ##					_	_	7	7		_		Г				χ'. Χ	χ̈́			5017	
BTEX (mg/Kg) ND N					_							7				18' X	45' X				
NO SO SO NO							N O	N N	ğ	N N	-					οō	οō				,
NO SO SO NO							N N	S S	ND ND	S S	т	BTEX									
						٠.	ND	ND	0.63	N N	Pamx	<b>E</b>									
							N O	ND	N	R	o,x										

PID READINGS		Site Number: 157
Interval Location (Depth)	Reading (ppm)	Notes:
5' S. Comer	0	Starting depth 3.5'. First 3' pudding like. Took readings at 5'. There was
5' S.E. Sidewall	2.5	a first pit that appeared to be cut out of very hard sandstone. This pit measured 15' X 18' X 8' from the ton of the surface. The pit measured 15' X 18' X 8' from the ton of the surface.
5' S.W. Sidewall	2.5	then widehed at a later date or stepped out wide as further excavation was
5' N. Corner	20	
5' N.E. Sidewall	610	Samples taken from deeper part of pit
5' N.W. Sidewall	0	
5' S.E. Sidewall	0	
5' E. Comer	52.6	3
5' S. Comer	0	
8' Center	258	
8' S.E. Sidewall	20.1	
8' N.E. Sidewall	17.4	
7 N;E; & S. walls	319	Composite sample
7 Center	750	
7 W. Wall	218	
8' N.E. Corner	1.5	
8' N.W. Corner	1.3	
8' S.E. Corner	1.6	
8' S.W. Corner	1.7	
Center	1.4	
	Sing	

Date:	10/28/95	Time:	22:09:14

	T	$\overline{}$	$\overline{}$	T -	т	_	_	_	 	 	 						
											09/15/95	09/15/95	09/15/95	09/15/95	09/15/95	Date	
											2	2	2	2	2	Pit No.	
											œ	οž	οχ	că	οχ	Interval (Depth)	P
											Center	S.W. Comer	S.E. Comer	N.W. Comer	N.E. Corner	Location	PID READINGS
											2.8	1.7	1.7	1.7	1.8	Reading (ppm)	
									1.7							Notes:	Site Number: 157

# APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION

APACHE #157

PIT COUNT

2

Jicarilla Apache Tribal EPO/OCD/BLM

Review and Approval

OCD-BLM

EPO Representative

Date of Review

IMEN	SIONS	START:PIT	#1, 8/10/95 P	1T # 2. 8/11/95	FINISH:	PIT #1 & # 2 9/	15/95		T
	W	L	I D			W 2,57	L	D	CU YDS
Pit 1	30'	39'	2.5'	Pit 1	***************************************	30'	45'	8'	290
Pit 2	21'	18'	1'	Pit 2	<del> </del>	21'	18'	8'	100
Pit 3			<del> </del>	Pit 3				<del>                                     </del>	100
		Pit 1 @ 5'	Pit 2 @ 7'	Pit 3 @			Pit 1 @ 8'	Pit 2 @ 8'	Pit 3 @
	Center	20	750			Center	1.5	1.8	1
P	NW Corner	0	218		7 P	NW Corner	1.3	1.7	
ı	NE Corner	610	17.4		7	NE Corner	1.6	1.7	
D	SW Corner	2.5	319		a F	SW Corner	1.7	1.7	
	SE Corner	2.5	20.1		7	SE Corner	1.4	2.8	
IOTES	);					····	<u> </u>		<del> </del>
	8/10/95	PIT 1- EXCAV	ATE TO 8', S	TAINING W/LT	ODOR T	O 5', HIT SAN	OSTONE @ 6	)'	<del></del>
	8/11/95	FIT Z-EACAV	ATE 10 8, N	O STAINING,S	TRONG	DOR TO 1.			
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		<del></del>							······································
		9/40/05	0144/05						
)ATE:		8/10/95	8/11/95	SOIL SAMP		DIS DESILITO		DEDLAD	400404
ATE:	Center	Pit 1 @ 5'	Pit 2 @ 7'	SOIL SAMP	ANALYS	SIS RESULTS		PER LAB	ASSAIGA
	Center NW Corner	Pit 1 @ 5'	Pit 2 @ 7'		ANALYS PIT	SIS RESULTS TPH	BETEX	PER LAB WITNESS	ASSAIGA DATE
P I	NW Corner	Pit 1 @ 5' 20 0	Pit 2 @ 7' 750 218		ANALYS PIT NO	TPH		WITNESS	DATE
ρ	NW Corner NE Corner	Pit 1 @ 5' 20 0 610	Pit 2 @ 7' 750 218 17.4		ANALYS PIT NO 1	220	ND	WITNESS IF&S	DATE 8/10/95
	NW Corner NE Corner SW Corner	Pit 1 @ 5' 20 0 610 2.5	Pit 2 @ 7' 750 218 17.4 319		ANALYS PIT NO 1 2	TPH		WITNESS	DATE 8/10/95
Α -	NW Corner NE Corner	Pit 1 @ 5' 20 0 610	Pit 2 @ 7' 750 218 17.4	Pit 3 @	ANALYS PIT NO 1 2 3	TPH 220 ND	ND	WITNESS IF&S	DATE
P I D	NW Corner NE Corner SW Corner SE Corner	Pit 1 @ 5' 20 0 610 2.5 2.5	Pit 2 @ 7' 750 218 17.4 319 20.1	Pit 3 @	ANALYS PIT NO 1 2 3 OR CELI	TPH 220 ND (S) SAMPLE	ND	WITNESS  IF&S  IF&S	8/10/95 8/11/95
P I D	NW Corner NE Corner SW Corner SE Corner	Pit 1 @ 5' 20 0 610 2.5 2.5	Pit 2 @ 7' 750 218 17.4 319 20.1 Pit 2 @ 8'	Pit 3 @	ANALYS PIT NO 1 2 3 OR CELI	220 ND _(S) SAMPLE SIS RESULTS	ND 0.63	IF&S IF&S PER LAB	8/10/95 8/11/95 ASSAIGA
P I D	NW Corner NE Corner SW Corner SE Corner	Pit 1 @ 5' 20 0 610 2.5 2.5	Pit 2 @ 7' 750 218 17.4 319 20.1  Pit 2 @ 8' 1.8	Pit 3 @	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT	TPH 220 ND (S) SAMPLE	ND	WITNESS  IF&S  IF&S	8/10/95 8/11/95
P I D	NW Corner NE Corner SW Corner SE Corner 9/15/95 Center NW Corner	Pit 1 @ 5' 20 0 610 2.5 2.5 Pit 1 @ 8' 1.5 1.3	Pit 2 @ 7' 750 218 17.4 319 20.1  Pit 2 @ 8' 1.8 1.7	Pit 3 @	ANALYS PIT NO 1 2 3 OR CELI ANALYS PIT NO	220 ND L(S) SAMPLE SIS RESULTS TPH	ND 0.63 BETEX	IF&S IF&S PER LAB WITNESS	8/10/95 8/11/95 ASSAIGA DATE
P I D	NW Corner NE Corner SW Corner SE Corner 9/15/95 Center	Pit 1 @ 5' 20 0 610 2.5 2.5 Pit 1 @ 8' 1.5	Pit 2 @ 7' 750 218 17.4 319 20.1  Pit 2 @ 8' 1.8 1.7 1.7	Pit 3 @	ANALYS PIT NO 1 2 3 OR CELI ANALYS PIT NO 1	220 ND  (S) SAMPLE SIS RESULTS TPH  ND	ND 0.63 BETEX	IF&S IF&S PER LAB WITNESS	8/10/95 8/11/95 ASSAIGA DATE 9/15/95
P D DATE:	NW Corner NE Corner SW Corner SE Corner 9/15/95 Center NW Corner NE Corner	Pit 1 @ 5' 20 0 610 2.5 2.5 Pit 1 @ 8' 1.5 1.3 1.6	Pit 2 @ 7' 750 218 17.4 319 20.1  Pit 2 @ 8' 1.8 1.7	Pit 3 @	ANALYS PIT NO 1 2 3 OR CELI ANALYS PIT NO	220 ND L(S) SAMPLE SIS RESULTS TPH	ND 0.63 BETEX	IF&S IF&S PER LAB WITNESS	8/10/95 8/11/95 ASSAIGA DATE 9/15/95
P D DATE:	NW Corner NE Corner SW Corner SE Corner  9/15/95 Center NW Corner NE Corner SW Corner	Pit 1 @ 5' 20 0 610 2.5 2.5  Pit 1 @ 8' 1.5 1.3 1.6 1.7	Pit 2 @ 7' 750 218 17.4 319 20.1  Pit 2 @ 8' 1.8 1.7 1.7	Pit 3 @  RE-SAMPLE Pit 3 @	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3	220 ND  (S) SAMPLE SIS RESULTS TPH  ND	ND 0.63 BETEX	IF&S IF&S PER LAB WITNESS	8/10/95 8/11/95 ASSAIGA DATE 9/15/95
P D DATE:	NW Corner NE Corner SW Corner SE Corner  9/15/95 Center NW Corner NE Corner SW Corner	Pit 1 @ 5' 20 0 610 2.5 2.5  Pit 1 @ 8' 1.5 1.3 1.6 1.7	Pit 2 @ 7' 750 218 17.4 319 20.1  Pit 2 @ 8' 1.8 1.7 1.7	Pit 3 @	ANALYS PIT NO 1 2 3 COR CELL ANALYS PIT NO 1 2 3 MPLE	TPH  220  ND  (S) SAMPLE  SIS RESULTS  TPH  ND  ND	ND 0.63 BETEX	IF&S IF&S IF&S PER LAB WITNESS  JDT JDT	8/10/95 8/11/95 ASSAIGA DATE 9/15/95 9/15/95
P D DATE:	NW Corner NE Corner SW Corner SE Corner  9/15/95 Center NW Corner NE Corner SW Corner	Pit 1 @ 5' 20 0 610 2.5 2.5  Pit 1 @ 8' 1.5 1.3 1.6 1.7 1.4	Pit 2 @ 7' 750 218 17.4 319 20.1  Pit 2 @ 8' 1.8 1.7 1.7 2.8	Pit 3 @  RE-SAMPLE Pit 3 @  CELL(S) SA	ANALYS PIT NO 1 2 3 OR CELI ANALYS PIT NO 1 2 3 MPLE ANALYS	220 ND  (S) SAMPLE SIS RESULTS TPH  ND ND SIS RESULTS	ND 0.63 BETEX ND ND	IF&S IF&S IF&S PER LAB WITNESS  JDT JDT PER LAB	8/10/95 8/11/95 ASSAIGA DATE 9/15/95 9/15/95
P I D D D D D D D D D D D D D D D D D D	NW Corner NE Corner SW Corner SE Corner  9/15/95 Center NW Corner NE Corner SW Corner SW Corner	Pit 1 @ 5' 20 0 610 2.5 2.5  Pit 1 @ 8' 1.5 1.3 1.6 1.7 1.4	Pit 2 @ 7' 750 218 17.4 319 20.1  Pit 2 @ 8' 1.8 1.7 1.7 2.8	Pit 3 @  RE-SAMPLE Pit 3 @  CELL(S) SA  CELL # 3	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3 MPLE ANALYS CELL	TPH  220  ND  (S) SAMPLE  GIS RESULTS  TPH  ND  ND  SIS RESULTS  TPH	ND 0.63 BETEX	IF&S IF&S IF&S PER LAB WITNESS  JDT JDT	8/10/95 8/11/95 ASSAIGA DATE 9/15/95 9/15/95
P D DATE:	NW Corner NE Corner SW Corner SE Corner  9/15/95 Center NW Corner NE Corner SW Corner SE Corner  6/13/97 Center	Pit 1 @ 5' 20 0 610 2.5 2.5  Pit 1 @ 8' 1.5 1.3 1.6 1.7 1.4	Pit 2 @ 7' 750 218 17.4 319 20.1  Pit 2 @ 8' 1.8 1.7 1.7 2.8  CELL# 2	Pit 3 @  RE-SAMPLE Pit 3 @  CELL(S) SA  CELL # 3	ANALYS PIT NO 1 2 3 OR CELI ANALYS PIT NO 1 2 3 MPLE ANALYS	TPH  220  ND  (S) SAMPLE  SIS RESULTS  TPH  ND  ND  SIS RESULTS  TPH	ND 0.63  BETEX  ND ND  BETEX	IF&S IF&S IF&S PER LAB WITNESS  JDT JDT PER LAB WITNESS	B/10/95 8/11/95  ASSAIGA DATE  9/15/95 9/15/95  ASSAIGA DATE
DATE:  P DATE:	NW Corner NE Corner SW Corner SE Corner  9/15/95 Center NW Corner NE Corner SW Corner SE Corner  6/13/97 Center NW Corner	Pit 1 @ 5' 20 0 610 2.5 2.5  Pit 1 @ 8' 1.5 1.3 1.6 1.7 1.4  CELL #1	Pit 2 @ 7' 750 218 17.4 319 20.1  Pit 2 @ 8' 1.8 1.7 1.7 2.8  CELL# 2	Pit 3 @  RE-SAMPLE Pit 3 @  CELL(S) SA  CELL # 3	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3 MPLE ANALYS CELL NO	TPH  220  ND  (S) SAMPLE  GIS RESULTS  TPH  ND  ND  SIS RESULTS  TPH	ND 0.63 BETEX ND ND	IF&S IF&S IF&S PER LAB WITNESS  JDT JDT PER LAB	8/10/95 8/11/95 ASSAIGA DATE 9/15/95 9/15/95

ID: 9509143-02B sample ID: AP# 115C

Collected: 09/15/95 09:10:00 Matrix: SOIL

Sumple 13 TH   1150		mania. St	7111			
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	ND 09/19/95	mg/Kg N/A	5.0	50	09/22/95	SLFTD44
Lab ID: 9509143-03A Sample ID: AP# 157H		Collected: Matrix: So		95 11	:48:00	
rest / 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 0.0010 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: 9509143-03B Sample ID: AP# 157H		Collected: Matrix: So		95 11	:48:00	
ST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	ND 09/19/95	mg/Kg N/A	5.0	10	09/21/95	SLFTD44
Lab ID: 9509143-04A Sample ID: AP# 157C		Collected: Matrix: So		95 10	:30:00	
rest / 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 0.0010 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: 9509143-04B Sample ID: AP# 157C		Collected: Matrix: So		95 10	:30:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
os DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	ND 09/19/95	mg/Kg N/A	5.0	5.0	09/21/95	SLFTD44

# PARTIAL REPORT

Page: 6

Lab ID: 9508243-12A Sample ID: PIT #157-S		Collected: Matrix: Se	08/25/9 DIL	95 13	:15:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M HCs DSL XT/CAL DHS 8015M	08/30/95	N/A			<del></del>	
Lab ID: 9508243-12B Sample ID: PIT #157-S	j	Collected: Matrix: So	08/25/9 DIL	95 13	:15:00	
rest / method	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TEX/SW846 8020A			···		<del></del>	
Benzene Toluene	ND ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
Ethylbenzene	ND ND	mg/Kg mg/Kg	0.0010 0.0010	5.0 5.0	08/30/95 08/30/95	SBTXME071
P-&m-Xylene	ND	mg/Kg	0.0010	5.0 5.0	08/30/95	SBTXME071 SBTXME071
O-Xylene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
ab ID: 9508243-13A Sample ID: PIT #23		Collected: Matrix: So	08/25/9 DIL	95 11	:20:00	
EST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE	BATCH_ID
Cs DIESEL/CAL DHS 8015M Cs DSL XT/CAL DHS 8015M	08/30/95	N/A				
ab ID: 9508243-13B ample ID: PIT #23		Collected: Matrix: So	08/25/9 DIL	95 11	:20:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TEX/SW846 8020A	N/Th	ar .	0.0010		00.00.00	
Poluene	ND ND	mg/Kg mg/Kg	0.0010 0.0010	5.0 5.0	08/30/95 08/30/95	SBTXME071 SBTXME071
Ethylbenzene	ND	mg/Kg	0.0010	5.0 5.0	08/30/95 08/30/95	SBTXME071
'-&m-Xylene }-Yviene	ND	mg/Kg	0.0020	5.0	08/30/95	SBTXME071
)-Xylene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
ab ID: 9508243-14A ample ID: PIT #10		Collected: Matrix: So	08/25/9 DIL	95 09	:15:00	
rest / method	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
ICs DIESEL/CAL DHS 8015M ICs DSL XT/CAL DHS 8015M	08/30/95	N/A				
·		4 77 6 8				

# 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>A</u>	PACHE C	ORPORATION			Telephone	<b>;</b>	505-325-0318			
Address:		304 N. BEHREN	D, FA	RMINGTO	N , N.M. 8	7401				
Facility or Well	Name:	APAG	CHE :	# 157	<del>4</del>					
Location: U	Init or Qtr/	/Qtr Sec	3	Sec 4	T 24N	R 4W	_County	RIO ARRI	ВА	
Land Type		JIC. TRIBAL								
Date Remediat	ion Starte	d: 8/1	1/95		Date Com	pleted:		6/13/97		
Remediation <b>M</b>	ethod:	Landfarmed		XXX	Approx. c	ubic yards		390		
		Composted								
		Other								
Depth to Groun	ıdwater:		(pts)	0		Final Clos	sure Sampl	ling		
Distance to an	Ephemera	al Stream:	(pts)	0	Sampling	9:30AM				
Distance to Nea or Watering Po		e, Playa,	(pts)	0	Sample R		A I E			
Wellhead Prote	ection Area	a:	(pts)	20	Field Hea	- Method	M8015			
Distance To Su	ırface Wa	ter:	(pts)	0	]	W 1	) <u>ND</u> W846 , 802	_		
RANKING SCO	ORE (TO)	TAL POINTS)		20		. DILX (O	110 10 1 002	140	/	
I HEREBY CER KNOWLEDGE		AT THE INFORM LIEF	MATIC	ON ABOVE	IS TRUE A	ND COMPI	LETE TO TI	HE BEST C	OF MY	
DATE: _		24-97		_	NAME		JEFF CR	oss		
SIGNATURE_		fflun		_TITLE		PROJEC1	T MANAGE	:R	<u> </u>	
		E SOIL REMEDI E JICARILLA APA						I IS APPRO	VED IN	
APPROVED:	YES	<u>×</u>	NO		_(REASON	۸)			-	
SIGNED:	Keu	C. Ma	- N	// DATE:	<u>\\ \-3</u>	30-95	)		-	

# APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE	APACHE #157		_	
* AMOUNT OF SOIL UND	ERGOING REMEDIATION	390	Yds.	
		SampDATE	TPH	BTEX
CELL No1	<u>-</u>	6/13/97	ND	ND
DIMENSIONS(LxWxH)	110' X 63' X 18"			
CELL LOCATION (dir. from well	I head NORTH			
* DATE BEGAN: 8/10/9	5			
DATE TERMINATED (TPH <5,0	000 ppm/BTEX< 50 ppm/Benzene < 10 ppr	m) 6/13/9	7	_
CELL No. NA		SampDATE	TPH	BTEX
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well	l head			
* DATE BEGAN:				
DATE TERMINATED (TPH <5,0	000 ppm/BTEX< 50 ppm/Benzene < 10 ppr	m)		-
CELL No. NA		SampDATE	TPH	BTEX
DIMENSIONS(LxWxH)	<b>-</b>			
CELL LOCATION (dir. from well	I head			
* DATE BEGAN:				
DATE TERMINATED (TPH <5,0	000 ppm/BTEX< 50 ppm/Benzene < 10 ppr	m)	<del> </del>	-
REMEDIATION RECORD: (Date	e, Treatment, Tilling)			
5/22/97 TREAT W\	. 46-0-0 FERTILIZER PLOWED AND TILLE	=D		
	D AND TILLED.			
				· · · · · · · · · · · · · · · · · · ·
	POINT COMPOSITE SAMPLE 10' INTO	DIRT CELL.		
PID COM	MPOSITE READING WAS 1.4 PPM.			
		·	···-	

From excavation reports.

	NOTES:		0	WELL NAME: SAMPLE DATE: DIMENSIONS:
TOOK 12 point composite sample	ALL SAMPLES TAKEN 10" TO 12" INTO CELL.			Apache #157 6-13-97 110'2 x 63'0 x 18"H
ite sample	'INTO CELL.		0	
				0
	0	•	0	= SAMPLE AREA



# **ASSAIGAI ANALYTICAL** LABORATORIES, INC.

JUN 2 6 1997

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-89644 FAX (505) 345-7259

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

Report Generated: June 23, 1997 15:14

# **CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE**

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER #

: 9706145

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED: 06/13/97

Page: 1

Lab ID: 9706145-01A

ATTN: JEFF CROSS

Sample ID: AP 157 CELL

Collected: 06/13/97 09:30:00

Matrix: SOIL

Strain -							
TEST / METHOD	4	RESULT	UNITS	LIMIT	D_F	DATE	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: 9706145-01B

Sample ID: AP 157 CELL

Collected: 06/13/97 09:30:00

Matrix: SOIL

-						
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil TKN/SM4500-N & NH3 B&C	ND	mg/Kg	50	25	06/17/97	SDRO33
TKN/SM4500-N & NH3 B&C Total Kjeldahl Nitrogen	53.0	mg/Kg	1.0	10	06/20/97	W97270

William P. Biava

President



# **WORKORDER COMMENTS**

DATE : 06/

: 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"

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



Client Apache Corporation

# Chain of Custody Record

Project Manager / Contact <u>Jeff C长<del>033</del></u>

ALBUQUEROUE, 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

Address 304	04 N. Behrend				elephor	Telephone No. $(505)$	774-6643	5643					Anah	Analysis Required				
City / State / 1	City/State/zipEarmington, NM 87401	M 87401			ax No.	Fax No. (505) 774-6624	6624		1		_	370				/	•	<u> </u>
Project Name	Project Name / Number JICARILLA PIT CLOSURES	PIT CI	OSUE		Samplers:	s: (Signature)	14/10	Can		e Jeiujer	_	97°	_	\ \ \	<u></u>	; 	Remarks	
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