DEPUTY OF LE GAS INSPECTOR

State of New Mexico Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

Appropriate District and 1 copy to Santa Fe Office

Submit 1 copy to

DEC 1 7 1998

2040 S. PACHECO Santa Fe, New Mexico 87505

11/1	MIPEUEU						JUL 8	1993
Operator:	Apache Corporation			_Telephone:		505-325-0	LCON.	
Address:	2855 Southside River Road, Se	uite A, Farm	ington, NN	/ 87401			নামে 3	
Facility or	Well Name:	Apache #	147 Pit#	1		William drake source,	Philippine and address of the state of the s	********* * * * * * * * * * * * * * *
Location:	Unit or Qtr/Qtr Sec	G	Sec 13	T 24 N	R 4W	County	Rio Arriba	
Pit Type:	Separator: XX	_Dehydrato	r	Other				
Land Type	: Jicarilla Tribal		-				,	·
	Beginning Pit Dimensions:	Length	18'	Width	18'	Depth	5'	
Pit Location: (Attach dia	Ending Pit Dimensions:	Length	18'	Width	18'	Depth	10'	
(/ titaon aic	Reference:	Wellhead	XXX	Other _		-·		
	Footage from reference:		145'					
	Direction from reference:		256	Degrees		East	North	
				-	XX	of _West	r South _	Х
(vertical dista	s to seasonal			Less than 5 50 feet to 99 Greater tha	9 feet		(20 points) (10 points) (0 points)	0
(Less than domestic v	Protection Area: a 200 feet from a private water source, or; less than from all other water sources)					Yes No	(20 points) (0 points)	0
(Horizonta lakes, pon	To Surface Water: Il distance to perennial ds, rivers, streams, creeks, canals and ditches)			Less than 2 200 feet to Greater tha	1000 feet an 1000 fee		(20 points) (10 points) (0 points)	0
				RANKING S	SCORE (TO	OTAL POIN	ITS)	0

Date Remediation Sta	rted:	10/5/95		_Date Comp	oleted:	11/29/95
Remediation Method: (Check all appropriate		Excavation	xxx	_Approx. cu	bic yards	60
sections)	Landfarmed		XX	_Insitu Biore	emediation	
		Other				
Remediation Location	1:	Onsite	XX	Offsite		
(i.e. landfarmed onsite, name and location of offsite facility)						
General Description o	f Remedial Action:		Excavate	pit to 10', to	ook PID readings	S
Spread soil	on location for rem	ediation. 1	Took soil s	amples.	Pit back filled	w/ fill dirt
Groundwater Encoun	tered:	No	xx	Yes		Depth
Final Pit: Closure Sampling:	Sample location		5 point com	posite taken fi	om pit sidewalls an	d pit bottom center
(in multiple samples, attach sample results						
and diagram of sample	Sample depth	10'	8 to 10" in	to pit sidev	valls 10" into pit	bottom
locations and depths)	Sample Date Sample results		11/29/95		Sample Time	12:18 P.M.
	Benzene		(ppm)	ND		
	Total BTEX		(ppm)	ND		
	Field Headspace		(ppm)	3.42		
	TPH			ND		
Groundwater Sample	:	Yes		_ No	XX (If ye	es attach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND B		TION ABOV	VE IS TRUE	AND COM	PLETE TO THE	BEST OF MY
DATE	June 8, 1998		PRINTED	NAME	Jeff Cross	
SIGNATURE	flun		_AND TITL	E	Project Manage	er

District III 1000 Rio Brazos Rd Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION 2040 S. PACHECO

Santa Fe, New Mexico 87505

Operator:	Apache Corporation				Telephone):		505-3	25-03	318	
Address:	2855 Southside River Road, Su	ite A, Farm	ingto	n, NN	87401					- ·	
Facility or	Well Name:	Apache #	147	Pit#	2						
Location:	Unit or Qtr/Qtr Sec	G	Sec	13	T 24 N	R	4W	Count	у	Rio Arriba	
Pit Type:	Separator:	Dehydrato	r		Other	Line	Drip				
Land Type	Jicarilla Tribal		-						·		
	Beginning Pit Dimensions:	Length		18'	Width		18'	D	epth	4'	
Pit Location: (Attach dia	Ending Pit Dimensions:	Length		18'	- Width		18'	_ D	epth	9'	
(rittaori aid	Reference:	Wellhead	X	XX	Other						
	Footage from reference:			100'		-					
	Direction from reference:		7	74	Degrees		(X	East	of	North	х
								_West	OI	South	
Depth To	Groundwater:	<u> </u>			Less than	50 fee	et			(20 points)	
(vertical dista					50 feet to 9					(10 points)	
contaminants	to seasonal				Greater tha	an 100	0 feet			(0 points)	0
high water ele	evation of									_	
groundwater)											
Wellhead	Protection Area:							Yes		(20 points)	
	200 feet from a private				•			No		(0 points)	0
-	vater source, or; less than									(-	
1000 feet f	from all other water sources)										
Distance [*]	To Surface Water:				Less than	200 fe	eet			(20 points)	
'	I distance to perennial				200 feet to					(10 points)	
-	ds, rivers, streams, creeks,				Greater th	an 10	00 fee	t		(0 points)	0
ingation c	anals and ditches)				RANKING	SCO	RE (T	OTAL F	POIN	TS)	0

Date Remediation Sta	rted:	11/27/95		Date Comp	leted:	11/29/95
Remediation Method: (Check all appropriate		Excavation	XXX	_Approx. cut	oic yards _	60
sections)	Landfarmed		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 9', too	k PID readir	ngs.
Spread soil	on location for rem	ediation. T	Took soil s	amples.	Pit back fill	ed w/ fill dirt
				·		
Groundwater Encoun	tered:	No	xx	Yes		Depth
Final Pit: Closure Sampling: (in multiple samples,	Sample location		5 point com	posite taken fr	om pit sidewall	ls and pit bottom center
attach sample results and diagram of sample	Sample depth	9'	8 to 10" in	oto nit sidew	/alls 10" into	nit hottom
locations and depths)						
	Sample Date Sample results		11/29/95)	Sample Time	2:03 P.M.
	Benzene		(ppm)	ND		
	Total BTEX		(ppm)	49		
	Field Headspace		(ppm)	73.42		
	TPH			520		
Groundwater Sample	:	Yes		_ No	XX (I	If yes attach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND B		TION ABOV	/E IS TRUE	AND COM	PLETE TO T	HE BEST OF MY
DATE	June 8, 1998		PRINTED	NAME	Jeff Cross	
SIGNATURE	eff lun	· · · · · · · · · · · · · · · · · · ·	AND TITL	E	Project Man	ager

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

Operator:	APA	CHE CO	RPORA	TION		_Telephone	·	505-32	25-0318			
Address:	2855	SOUTH	ISIDE R	IVER ROAI	D/SUITE	A / FARMIN	GTO	N N.M	I. 87401-79	47		
Facility or We	ell Na	me:		APACHE:	# 147 PIT #	ŧ 1						
Location:	Unit	or Qtr/Qt	tr Sec	G	SEC 13	T 24N	R 4	w	_County	RIO ARRIE	BA	
Pit Type:	Sepa	arator:	XX	_Dehydrato	r	_Other						
Land Type:		JI	C. TRIBA	<u>AL</u>	<u> </u>							-
Pit Location:		Pit Dime	ensions:	Length	18'	Width		18'	_ Depth	10'		
(Attach diagra	am)	Referen	ce:	Wellhead	XXX	_Other						
:		Footage	from ref	ference:	145'		_					
		Direction	n from re	eference:	256	_Degrees			_East	North		
								xx	of _West	South		X
Depth To Gro	ound	water:		_		Less than	50 fe	ot .		(20 points)		
(vertical distance f						50 feet to 9				(10 points)		
contaminants to se	easona	ai				Greater tha				(0 points)		0
high water elevatio groundwater)	on of									` ' ' ' '		- 414
Distance to a	an Ep	hemeral	Stream	:		Less than	100 f	eet		(10 points)		
(Downgradien	nt dry					Greater tha				(0 points))
ten feet in wid	าเก											
Distance to N	Veare	st Lake.	Plava.	or Watering	Pond:	Less than	100 f	eet		(10 points)		
(Downgradien						Greater that				(0 points))
livestock or wi										` ' '.		
Wellhead Pro	ntecti	on Area						Yes		(20 points)		
(Less than 200			-					No		(20 points) (0 points)		<u> </u>
domestic water								140		(o pointo)		
1000 feet from	n all d	other wat	er sourc	es)								
Distance To S	Surfa	ice Wate	r:			Less than	100 f	eet		(20 points)		
(Horizontal dis						100 feet to				(10 points)		
lakes, ponds,	rivers	s, stream	s, creeks	5,		Greater tha			et	(0 points))
irrigation cana	als an	d ditches	5)			RANKING	sco	RE (T	OTAL POIN	NTS))

r 							
Date Remediation Star	rted: 10/5/9	15	_Date Comp	oleted:		11/29/95	:
Remediation Method:	Excavation	XXX	_Approx. cu	bic yards		60	
(Check all appropriate sections)	Landfarmed	d <u>XX</u>	_Insitu Biore	emediation			
	Other						
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)	: Onsit	te XX	_Offsite				
General Description o	f Remedial Action: E	xcavate pit	to 10',took	PID readin	ıgs. spread	soil on	
location	for remidiation. Took	soil sampl	es. Bacl	c Filled	Pit w/F	-11 Diet	
Groundwater Encount		lo xxx			•		-
Final Pit: Closure Sampling: (in multiple samples,	Sample location	5 point co	mposite take	en from pit	sidewalls a	nd pit bottor	n center.
attach sample results and diagram of sample	Sample depth 10'	8" to 10" i	nto pit side v	valls ,10" ir	nto pit botto	<u>m.</u>	
locations and depths) Sample D Sample re		11/29/95	5	Sample T	ime	12:18PM	
Soil:	Benzene	(ppm)	ND	Water:	Benzene	(ppb)	NA
	Total BTEX	(ppm)	ND		Toluene	(ppb)	NA
	Field Headspace	(ppm)	3.42	Eth	nylbenzene	(ppb)	NA
	TPH	(ppm)	ND	. To	tal Xylenes	(ppb)	NA
Groundwater Sample:	Ye	es	_ No	xxx	_(If yes atta	ich sample	results)
I HEREBY CERTIFY TH KNOWLEDGE AND BE		ION ABOVE	IS TRUE A	ND COMP	LETE TO 1	HE BEST	OF MY
DATE	5/27/98	PRINTED	NAME		JEFF CR	oss	19.7
SIGNATURE	flion	_AND TITL	.E	<u> </u>	PROJECT	MANAGE	₹
AFTER REVIEW OF THE JICARILLA APAC				SURE IS A	PPROVED	IN ACCORI	DANCE TO
APPROVED: YES	3 N	0	_(REASON)	<u> </u>			
SIGNED:	C Mann	<u>A</u>	DATE:	6-2	2-94		

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

Operator:	APACHE CORPORATION	Telephone505-325-0318	
Address:	2855 SOUTHSIDE RIVER ROAD / SUITE	A / FARMINGTON N.M. 87401-7	7947
Facility or W	ell Name: APACHE # 147 PIT	# 2	
Location:	Unit or Qtr/Qtr Sec G SEC 13	T 24N R 4W County	RIO ARRIBA
Pit Type:	Separator:Dehydrator	Other LINE DRIP	
Land Type:	JIC. TRIBAL		
Pit Location: (Attach diagr	Pit Dimensions: Length 18' am) Reference: Wellhead XXX	Width 18' Dep	oth9'
	Footage from reference: 100'		
	Direction from reference: 74	DegreesXXEast	North X
		West	of South
Depth To G	oundwater:	Less than 50 feet	(20 points)
(vertical distance		50 feet to 99 feet	(10 points)
contaminants to		Greater than 100 feet	(0 points) 0
high water elevat groundwater)	ion of		
Distance to	an Ephemeral Stream:	Less than 100 feet	(10 points)
	nt dry wash greater than	Greater than 100 feet	(0 points) 0
	Nearest Lake, Playa, or Watering Pond:	Less than 100 feet	(10 points)
	nt lakes, playas and vildlife watering ponds)	Greater than 100 feet	(0 points)0
 Wellhead Pr	rotection Area:	Yes	(20 points)
	00 feet from a private	No	(0 points) 0
domestic wa	ter source, or less than m all other water sources)		
Distance To	Surface Water:	Less than 100 feet	(20 points)
	istance to perennial	100 feet to 1000 feet	(10 points)
	, rivers, streams, creeks,	Greater than 1000 feet	(0 points)0
irrigation can	als and ditches)	RANKING SCORE (TOTAL P	OINTS) 0
<u> </u>			

Date Remedi	iation Star	ted: 11/27/9	95	_Date Comp	leted:		11/29/95	
Remediation		Excavation	xxx	_Approx. cui	bic yards _		60	
(Check all ap	propriate	Landfarme	d <u>XX</u>	_Insitu Biore	mediation _			
		Other						
Remediation (i.e. landfarm name and loc	ed onsite,	Onsi	te XX	_Offsite		·····		
offsite facility)							
General Des	cription of	Remedial Action: E	xcavate pit t	to 9',took Pl	D readings	. spread s	soil on	
	location for	or remidiation. Tool	k soil sample	es. Backf	illed Pit	w/Fill	DIRT	
Groundwate	r Encounte	ered: N	lo xxx	_ Yes		Depth		-
Final Pit: Closure Sam (in multiple sa	amples,	Sample location	5 point cor	mposite take	n from pit si	dewalls ar	nd pit bottor	n center.
attach sample and diagram		Sample depth Q'	8" to 10" ir	nto pit side w	alls ,10" into	o pit bottor	m.	
locations and	depths) Sample Da Sample re		11/29/95		Sample Tin		12:03PM	
	Soil:	Benzene	(ppm)	ND	Water:	Benzene	(ppb)	NA
		Total BTEX	(ppm)	49	•	Toluene	(ppb)	NA
		Field Headspace	(ppm)	73.42	Ethy	lbenzene	(ppb)	NA
		ТРН	(ppm)	520	Tota	l Xylenes	(ppb)	NA
Groundwate	r Sample:	Ye	es	No	XXX	(If yes atta	ich sample	results)
I HEREBY CI KNOWLEDG		IAT THE INFORMAT LIEF.	ION ABOVE	IS TRUE A	ND COMPL	ETE TO T	HE BEST	OF MY
DATE		5/27/98	PRINTED	NAME		JEFF CR	oss	
SIGNATURE	_fe	flion	AND TITL	E .		PROJECT	MANAGE	₹
		E PIT CLOSURE IN HE TRIBE PIT CLOS			URE IS AP	PROVED	IN ACCORI	DANCE TO
APPROVED:	YES	<u> </u>	o	_(REASON)				
	1	. /	1 /					
SIGNED: c	Low	Maml	<u> </u>	_DATE:	6-2	-98		

APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION:

APACHE 147

PIT COUNT:

DATE:

CENTER

P. NW CORNER

I. NE CORNER

D. SW CORNER

SE CORNER

PIT 1

2

JICARILLA APACHE TRIBAL EPO REVIEW AND APPROVAL

EPO REPRESENTATIVE

DATE OF REVIEW:

TOTAL		i		EXCAVATION	NC			1	
שות	ENSIONS		-						
	W	W L D W L		L	D	CU.YDS			
PIT 1	18'	18'	5'	PIT 1		18'	18'	10'	60
PIT 2	18'	18'	4'	PIT 2		18'	18'	8'/9'(11/30)	60
PIT 3	3			PIT 3					
DAT	E:10/05/95 -	PIT1@10'	PIT2@	PIT3@'	DA.	ΓE:11/28/95	PIT1@10'	PIT2@08'	PIT3@
	CENTER	8.0	94.5			CENTER	6.0	94.5	
Ρ.	NW CORNER	60.0	90.5		P.	NW CORNER	3.2	90.5	
I.	NE CORNER	7.4	127.0		1.	NE CORNER	7.9	127.0	
D.	SW CORNER	70.8	89.1		D.	SW CORNER	0.0	89.1	
	SE CORNER	142.0	83.5			SE CORNER	0.0	83.5	***************************************
TOP	ES:				***********			•	
	10/05/95 -	PIT 1-Black sa	andy soil to 6', o	dark to lt. brow	n 6'-	10'.			
	11/27/95 -	PIT 2-Gray sa	nd w/tt.odor, n	o staining.	• • • • • • • • • • • • • • • • • • • •				
	11/30/95 -	PIT 2-Excavat	a additional 1'						
			(110705)	SOUL CAMEN					
	E.10.05.05		·	SOIL SAMPI	T				
DAT	E:10/05/95	PIT1@10'	PIT2@08'	SOIL SAMPI	AN.	ALYSIS RESU			ASSAIGAI
	CENTER	PIT1@10*	PIT2@08' 94.5		AN. PIT		LTS BETEX	PER LAB:	ASSAIGAI DATE
Р.	CENTER NW CORNER	PIT1@10* 8.0 60.0	PIT2@08' 94.5 90.5		AN. PIT NO.	ALYSIS RESU TPH	BETEX	WITNESS	DATE
P. I.	CENTER NW CORNER NE CORNER	PIT1@10* 8.0 60.0 7.4	PIT2@08* 94.5 90.5 127.0		AN. PIT NO.	ALYSIS RESU		WITNESS IF&S	DATE 10/05/95
Р.	CENTER NW CORNER NE CORNER SW CORNER	PIT1@10* 8.0 60.0 7.4 70.8	PIT2@08' 94.5 90.5 127.0 89.1		PIT NO. 1	ALYSIS RESU TPH	BETEX	WITNESS	DATE
P. I.	CENTER NW CORNER NE CORNER	PIT1@10* 8.0 60.0 7.4 70.8 142.0	PIT2@08' 94.5 90.5 127.0 89.1 83.5	PIT3@'	AN. PIT NO. 1 2 3	ALYSIS RESU TPH ND	BETEX	WITNESS IF&S	DATE 10/05/95
P. I. D.	CENTER NW CORNER NE CORNER SW CORNER SE CORNER	8.0 60.0 7.4 70.8 142.0	94.5 94.5 90.5 127.0 89.1 83.5 RE-SAMPLI	PIT3@,	PIT NO. 1 2 3 S) SA	ALYSIS RESU TPH ND ND	BETEX ND	WITNESS IF&S	DATE 10/05/95
P. I. D.	CENTER NW CORNER NE CORNER SW CORNER SE CORNER E:11/36/95	PIT1@10* 8.0 60.0 7.4 70.8 142.0 PIT1@10*	94.5 94.5 90.5 127.0 89.1 83.5 RE-SAMPLI PIT2@09'	PIT3@'	PIT NO. 1 2 3 S) SA	ALYSIS RESU TPH ND ND MPLE ALYSIS RESU	BETEX ND	WITNESS IF&S IF&S PER LAB:	DATE 10/05/95
P. I. D.	CENTER NW CORNER NE CORNER SW CORNER SE CORNER E:11/36/95 CENTER	PIT1@10* 8.0 60.0 7.4 70.8 142.0 PIT1@10* 6.0	94.5 94.5 90.5 127.0 89.1 83.5 RE-SAMPLI	PIT3@,	PIT NO. 1 2 3 S) SA AN PIT	ALYSIS RESU TPH ND ND MPLE ALYSIS RESU	BETEX ND	WITNESS IF&S IF&S	DATE 10/05/95 11/27/95
P. I. D.	CENTER NW CORNER NE CORNER SW CORNER SE CORNER E:11/26/95 CENTER NW CORNER	PIT1@10* 8.0 60.0 7.4 70.8 142.0 PIT1@10* 6.0 3.2	94.5 94.5 90.5 127.0 89.1 83.5 RE-SAMPLI PIT2@09'	PIT3@,	PIT NO. 1 2 3 S) SA	ALYSIS RESU TPH ND MPLE ALYSIS RESU	BETEX ND LTS	WITNESS IF&S IF&S PER LAB:	DATE 10/05/95 11/27/95 ASSAIGAI DATE
P. I. D.	CENTER NW CORNER NE CORNER SW CORNER SE CORNER E:11/8/95 CENTER NW CORNER NE CORNER	PIT1@10* 8.0 60.0 7.4 70.8 142.0 PIT1@10* 6.0	94.5 94.5 90.5 127.0 89.1 83.5 RE-SAMPLI PIT2@09' 79.6	PIT3@,	PIT NO. 1 2 3 S) SA AN PIT	ALYSIS RESU TPH ND MPLE ALYSIS RESU	BETEX ND LTS	WITNESS IF&S IF&S PER LAB:	DATE 10/05/95 11/27/95 ASSAIGAI
P. I. D.	CENTER NW CORNER NE CORNER SW CORNER SE CORNER E:11/26/95 CENTER NW CORNER	PIT1@10* 8.0 60.0 7.4 70.8 142.0 PIT1@10* 6.0 3.2	PIT2@08' 94.5 90.5 127.0 89.1 83.5 RE-SAMPLI PIT2@09' 79.6 81.9	PIT3@,	PIT NO. 1 2 3 S) SA ANA PIT NO.	ALYSIS RESU TPH ND MPLE ALYSIS RESU TPH	BETEX ND LTS BETEX	WITNESS IF&S IF&S PER LAB: WITNESS	DATE 10/05/95 11/27/95 ASSAIGAI DATE

RE-SAMPLE OR CELL(S) SAMPLE

PIT 3

PIT

NO.

1

2

3

ANALYSIS RESULTS PER LAB:

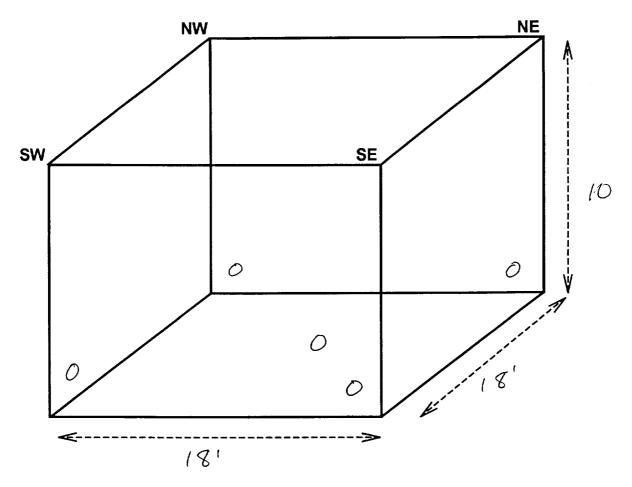
BETEX

WITNESS

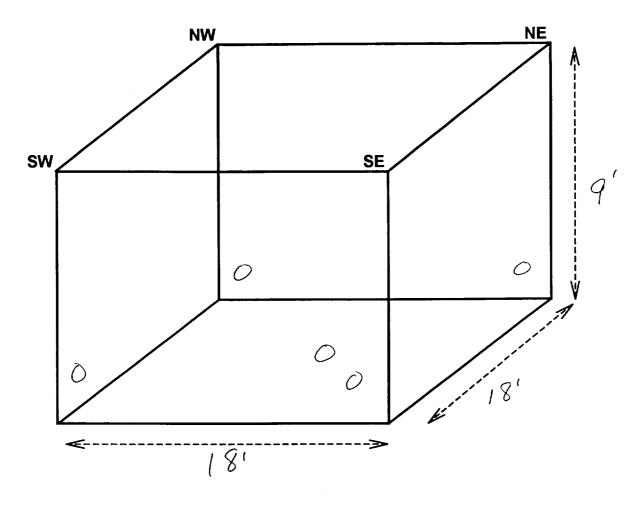
DATE

TPH

PIT 2



				\bigcirc	= SAMPLE AREA
WELL NAM	ΛE	APACHE # 147 PIT # 1			
SAMPLE D	ATE	11/29/95			
NOTES	5 POIN	T COMPOSITE SAMPLE TAKEN 8" TO 1	O" INT	O PIT	
	SIDEW	ALL AND PIT BOTTOM CENTER.			
•			.		
•					
•					
•					
•					
•					
•					



			= SAMPLE AREA
WELL NAM	ΜE	APACHE # 147 PIT # 2	_
SAMPLE D	ATE	11/29/95	_
NOTES	5 POII	NT COMPOSITE SAMPLE TAKEN 8" TO 10" II	NTO PIT
	SIDE	WALL AND PIT BOTTOM CENTER.	
•			
	 		
	-		
			

b ID: 9512029-05A Sample ID: AP #122

Toluene

Collected: 11/29/95 11:43:00

Sample ID: AP #122		Matrix: SO	OIL			
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND 1.0 2.0 9.7 3.1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0010 0.0010	500 500 500 500 500	12/05/95 12/05/95 12/05/95 12/05/95 12/05/95	SBTXME092 SBTXME092 SBTXME092 SBTXME092 SBTXME092
Lab ID: 9512029-05B Sample ID: AP #122		Collected: Matrix: SO		95 11	:43:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	7700 12/05/95	mg/Kg N/A	5.0	500	12/07/95	SLFTD053
Lab ID: 9512029-06A Sample ID: 12029-06A		Collected: Matrix: SO		12	:03:00	
ST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	\$10 \$10 \$36 \$4	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0010 0.0010	5000 5000 5000 5000 5000	12/05/95 12/05/95 12/05/95 12/05/95 12/05/95	SBTXME092 SBTXME092 SBTXME092 SBTXME092 SBTXME092
Lab ID: 9512029-06B Sample ID: P #1220 P++2		Collected: Matrix: SO		5 12	:03:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	20 12/05/95	mg/Kg N/A	5.0	25	12/07/95	SLFTD053
Lab ID: 9512029-07A Sample ID: #147 H. p.+4.		Collected: Matrix: SO) 5 12	:18:00	

D_F BATCH_ID TEST / METHOD RESULT UNITS LIMIT DATE ANAL BTEX/SW846 8020A mg/Kg mg/Kg 500 12/05/95 SBTXME092 Benzene 0.0010

0.0010

500

12/05/95

SBTXME092

SBTXME092 SBTXME092 SBTXME092

SBTXME092

12/05/95 12/05/95 12/05/95

12/05/95

b ID: 9512029-07A

EX/SW846 8020A

enzene Toluene Ethylbenzene P-&m-Xylene **Collected:** 12:18:00

Sample ID (19512029-07A)		Collected: Matrix: So		12	:18:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Ethylbenzene P-&m-Xylene O-Xylene	ND.	mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010	500 500 500	12/05/95 12/05/95 12/05/95	SBTXME092 SBTXME092 SBTXME092
Lab ID: 9512029-07B Sample ID: AP 単近石がは、C・ナロ		Collected: Matrix: So		≱ ₅ 12	:18:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	12/05/95	mg/Kg N/A	5.0	50	12/07/95	SLFTD053
Lab ID: 9512029-08A Sample ID: AP #112-C		Collected: Matrix: So		95 12	:38:00	
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 0.0010 0.0010	500 500 500 500 500	12/05/95 12/05/95 12/05/95 12/05/95 12/05/95	SBTXME092 SBTXME092 SBTXME092 SBTXME092 SBTXME092
Lab ID: 9512029-08B Sample ID: AP #112-C		Collected: Matrix: So		95 12	:38:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	260 12/05/95	mg/Kg N/A	5.0	25	12/07/95	SLFTD053
Lab ID: 9512029-09A Sample ID: AP #112-H		Collected: Matrix: So		95 12	:50:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TV/CW046 0020 A						

mg/Kg mg/Kg mg/Kg mg/Kg

ND

ND ND

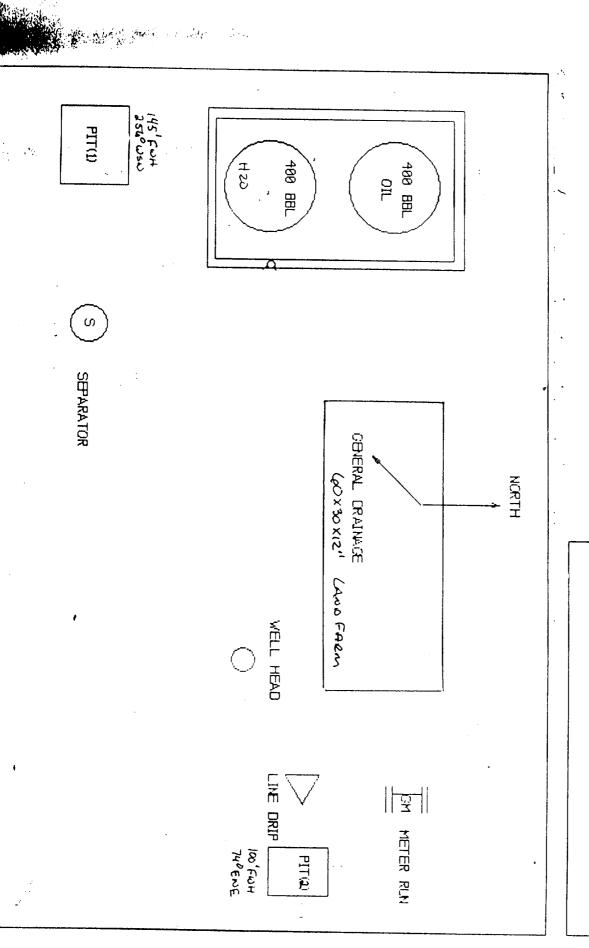
2.5

 $\begin{array}{c} 0.0010 \\ 0.0010 \\ 0.0010 \\ 0.0010 \end{array}$

500

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500



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APACHE NUMBER 147 Lease # JAT 129
SW/4 NE/W (G)
SECTION 13 TOWNSHIP 24N. RANGE 4W
RIO ARRIBA COUNTY, NM

The same of

9

Revised 6/1/97 MG

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)	505-325-0	318	
Address:	2855 SOUTHSIE	DE RIV	/ER ROAD	/SUITE A	FARMING	TON , N.M.	87401-79	47
Facility or Well Name:	APA	CHE #	£ 147					
Location: Unit or Qti	r/Qtr Sec	3	Sec 13	T 24N	R 4W	_County	RIO ARRI	BA
Land Type	JIC. TRIBAL							
Date Remediation Starte	ed: 10/9	5/95		Date Com	pleted:		5/14/98	
Remediation Method:	Landfarmed		XXX	Approx. ci	ubic yards		120	
	Composted Other							
Depth to Groundwater:		(pts)	0		Final Clos	sure Samp	ling	
Distance to an Ephemer	ral Stream:	(pts)	0	Sampling	Date:	5/14/98	_Time:	2:15PM
Distance to Nearest Lak or Watering Pond:	e, Playa,	(pts)	0	Sample R		ND		
Wellhead Protection Are	ea:	(pts)	0	Field Headsp		ND ND		14004E
Distance To Surface Wa	ater:	(pts)	0			ND ND	_	M8015
RANKING SCORE (TO	TAL POINTS)		0	Othe	r <u>BIEX (S</u>	W846 , 802	UA (NL))
I HEREBY CERTIFY TH KNOWLEDGE AND BE	LIEF				ND COMPI			OF MY
DATE:	5/27/98		PRINTED			JEFF CR		
SIGNATURE	off lion		TITLE		PROJEC1	r Manage	R	
AFTER REVIEW OF THE ACCORDANCE TO THE							I IS APPRO	OVED IN
APPROVED: YES	s_ <u>X</u>	NO.		(REASON	l)		···	-
SIGNED:	C Man		DATE:	6-	2-98			_

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE	APACHE # 147	*****	_	
* AMOUNT OF SOIL UNDERGO	DING REMEDIATION	120	Yds.	
CELL No. 1		SampDATE 5/14/98	TPH ND	BTEX ND
DIMENSIONS(LxWxH) 60')	X 30' X 12"			
CELL LOCATION (dir. from well head	NORTH			
* DATE BEGAN:10/5/95				
DATE TERMINATED (TPH <5,000 ppr	m/BTEX< 50 ppm/Benzene < 10 ppr	m) 5/14/98	3	-
CELL No. 2		SampDATE	TPH	BTEX
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well head				
* DATE BEGAN:				
DATE TERMINATED (TPH <5,000 ppr	m/BTEX< 50 ppm/Benzene < 10 ppi	m)		, -
		SampDATE	TPH	BTEX
CELL No3				
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well head				
* DATE BEGAN:				
DATE TERMINATED (TPH <5,000 ppr	m/BTEX< 50 ppm/Benzene < 10 pp	m)		-
REMEDIATION RECORD: (Date, Trea				-
10/17/95 TREAT SOIL WITH 28-4-4 F				
6/10/97 TREAT SOIL WITH 46-0-0 FE	RTILIZER,WATER , PLOW AND T	ILL SOIL.		
6/13/97 TILL SOIL. 7/15/97 WATER , PLOW , TILL SOIL.				
8/25/97 TREAT SOIL WITH 10LBS PH		TILL SOIL		
5/5/98 PLOW SOIL.	100. //0/(00, 0200 Lime, 14/// Li	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
5/10/98 TILL SOIL.		.:		

From excavation reports.

(= SAMPLE AREA 0 0 ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 8 point composite stroke 0 Apache #147. 5-14-58 (60' × 30' ×12" SAMPLE DATE: DIMENSIONS: WELL NAME: 0 NOTES:



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

APACHE CORPORATION attn: JEFF CROSS 2855 SOUTHSIDE RIVER RD STE A **FARMINGTON, NM 87401-7947**



Campia

	* explanation of codes
В	analyte detected in Method Blank
E	result is estimated
н	analyzed out of hold time
N	tentatively identified compound
S	subcontracted
1-9	see footnote

Sample

05/44/09

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client:

APACHE CORPORATION

9805132 Project:

JICARILLA PIT CLOSURE

Client Sample ID	APACH	E #14	7 CELL		ntrix SOIL				Collected	05/14/98 14:15:00
						Dilution	Detection	1		Run
<u>Fraction</u>	QC Group	CAS#		Result	<u>Units</u>	<u>Factor</u>	<u>Limit</u>	*	Sequence	<u>Date</u>
			SW846-8020 Volatiles							
9805132-01A	X98267	71-43-2	Benzene	ND	mg / Kg	50	0.005		XG.1998.464-23	05/15/98
	X98267	100-41-4	Ethylbenzene	ND	mg/Kg	50	0.005		XG.1998.464-23	
	X98267	95-47-6	o-Xylene	ND	mg / Kg	50	0.005		XG.1998.464-23	
	X98267		p/m Xylenes	ND	mg / Kg	50	0.01		XG.1998.464-23	
	X98267	108-88-3	Toluene	. ND	mg / Kg	50	0.005		XG.1998.464-23	
			SW846-8015 Modified TPH							
9805132-01B	X98268		Diesel Range Organics	ND	mg / Kg	25	25		XG.1998.465-23	05/15/98
		!	i			·				



5/20/98 4:45:26 PM

^{***} Sample specific analytical Detection Limit is determined by multiplying the sample Dilution Factor by the listed method Detection Limit. ***



Client Apache Corporation

Chain of Custody Record

Project Manager/Contact Jeff Cross

P#0#

7300 JEFFERSON, N.E. ALBUQUERQUE, HEW MEXICO 87109 (505) 345-8964

3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-6000

Address 2855 Southside River RD,	D, Ste. ATelephone No. (505) 774-6643	Analysis Required
Cliv/State/ZioFarmington, NM 87401-7947_	1-7947_ Fax No. (505) 774-6624	
Project Name / Number		Remarks
Contract / Purchase Order / Quote		
FAACHOUNTED THE Sample Number / Location 1979 15 Date	Time Sample Type / Bise of Contalling Temp. Chemical Child Chemical C	
Apache #147 cell	5-14-95/2:15 Spir 4 oz alass ICR 1 X	
13.	1 1 402 alass	
	0	
July 11 curo	Received by:	15 man 9 Signature Public Condrass
Printed To Jeff Class Time	Printed Scott NAIT Printed Scott Pratt	Time Printed (2.ct. cu. 18 vess
, Apache Cosp.	Company PAAL	1 (:30 Company Attl. Analysis.
		After analysis, samples are to be:
Method of Shipment:	Comments:	Disposed of (additional
Shipment No.		
Special Instructions:		
		Returned to customer
	1 ABORATORY	