100 DEFEITMORE & GAS FINSTEN Winerals and Natural Resources Department Aztec, NM 87410

DEC 1 7 1998

State of New Mexico

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

OIL CONSERVATION DIVISION

2040 S. PACHECO Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPOR

Operator: Apache Corporation		Telephone:	505-325-0		
Address: 2855 Southside River Road, S	uite A, Farmington, NM	87401	<u></u>	회(15 원 	
Facility or Well Name:	Apache # 114				
Location: Unit or Qtr/Qtr Sec	I Sec 24	T 24 N R 4W	County	Rio Arriba	
Pit Type: Separator:	Dehydrator	Other Tank Drain	n\Blow Pit		
Land Type: Jicarilla Tribal					
Beginning Pit Dimensions:	Length 52'	Width 52'	Depth	5'	
Pit Location: Ending Pit Dimensions: (Attach diagram)	Length 56'	Width 56'	Depth	10'	
Reference:	Wellhead XXX	Other			
Footage from reference:	145				
Direction from reference:	300	Degrees	East	North	ХХ
		XX	of West	South	
Depth To Groundwater:		Less than 50 feet		(20 points)	
(vertical distance from		50 feet to 99 feet		(10 points)	
contaminants to seasonal	(Greater than 100 feet		(0 points)	0
high water elevation of groundwater)					
Wellhead Protection Area:			Yes	(20 points)	
(Less than 200 feet from a private domestic water source, or; less than			No	(0 points)	0
1000 feet from all other water sources)					
Distance To Surface Water:	i	Less than 200 feet		(20 points)	
(Horizontal distance to perennial		200 feet to 1000 feet		(10 points)	
lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	(Greater than 1000 feet		(0 points)	0
	F	RANKING SCORE (TO	OTAL POIN	TS)	0

Date Remediation Sta	arted:	10/18/95		_Date Completed:	11/29/95
Remediation Method: (Check all appropriate		Excavation	xxx	_Approx. cubic yards _	661
sections)	Landfarmed		XX	_Insitu Bioremediation _	
		Other	·		
Remediation Location (i.e. landfarmed onsite,		Onsite	xx	Offsite	
name and location of offsite facility)				-	
General Description o	of Remedial Action:		Excavate	pit to 10', took PID read	ings.
Spread soi	l on location for rem	ediation.	Γοοk soil s	amples. Pit back fille	ed w/ fill dirt
Groundwater Encoun	tered:	No	XX	<u>Yes</u>	Depth
Final Pit: Closure Sampling: (in multiple samples,	Sample location		5 point com	posite taken from pit sidewall	s and pit bottom center
attach sample results		401	0.4.400.1		
and diagram of sample locations and depths)		10'		nto pit sidewalls 10" into	
	Sample Date Sample results		11/29/95	Sample Time	2:18 P.M.
	Benzene		(ppm)	ND_	
	Total BTEX		(ppm)	6.8	
	Field Headspace		(ppm)	6.1	
	TPH			4200	
Groundwater Sample:		Yes		= 	f yes attach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND BI		ION ABOV	Æ IS TRŪE	AND COMPLETE TO TI	HE BEST OF MY
DATE	June 8, 1998		PRINTED	NAME Jeff Cross	
SIGNATURE	lefflon		AND TITL	E <u>Project Mana</u>	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

PIT REMEDIATION AND CLOSURE REPORT

Operator: APACHE CORPORATION	Telephone 505-325-0318
Address: 2855 SOUTHSIDE RIVER ROAD / SUIT	E A / FARMINGTON N.M. 87401-7947
Facility or Well Name: APACHE # 114	
Location: Unit or Qtr/Qtr Sec 1 SEC 24	T 24N R 4W County RIO ARRIBA
Pit Type: Separator:Dehydrator	Other TANK DRAIN \ BLOW PIT
Land Type: JIC. TRIBAL	
Pit Location: Pit Dimensions: Length 56'	Width <u>56'</u> Depth 10'
(Attach diagram) Reference: Wellhead XXX	Other
Footage from reference: 145	
Direction from reference: 300	DegreesEast NorthX
	of XX West South
Depth To Groundwater:	Less than 50 feet (20 points)
(vertical distance from	50 feet to 99 feet (10 points)
contaminants to seasonal	Greater than 100 feet (0 points) 0
high water elevation of groundwater)	, · · · · ·
Distance to an Ephemeral Stream:	Less than 100 feet (10 points)
(Downgradient dry wash greater than ten feet in width	Greater than 100 feet (0 points) 0
Distance to Nearest Lake, Playa, or Watering Pond:	Less than 100 feet (10 points)
(Downgradient lakes, playas and livestock or wildlife watering ponds)	Greater than 100 feet (0 points)
Wellhead Protection Area: (Less than 200 feet from a private	Yes (20 points)
domestic water source, or less than 1000 feet from all other water sources)	(o points) o
Distance To Surface Water:	Less than 100 feet (20 points)
(Horizontal distance to perennial	100 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet (0 points) 0
irrigation canals and ditches)	RANKING SCORE (TOTAL POINTS) 0

Date Remed	iation Star	ted: 10/1	8/95	_Date Com	oleted:	11/29/95		
Remediation		Excavat	ion XXX	_Approx. cu	bic yards	661		
(Check all ap sections)	propriate	Landfarr	ned XX	_Insitu Biore	emediation			
		Other						
Remediation (i.e. landfarm name and loc offsite facility	ed onsite, ation of	Oı	nsite XX	_Offsite				
		Remedial Action	: Excavate pit	to 10',took	PID readings. sp	read soil on		
		or remidiation. To			Back Killed		+	
Groundwate			No xxx	·		Depth	_	
Final Pit: Closure Sam (in multiple sa		Sample location	5 point co	mposite take	en from pit sidewa	alls and pit botton	m center.	
attach sample and diagram locations and	of sample		8" to 10" ii 11/29/95	into pit side walls ,10" into pit bottom. 5 Sample Time 2:18PM				
	Sample re		11720700	Sample Time 2:18PM				
•	Soil:	Benzene	(ppm)	ND	Water: Benz	ene (ppb)	NA	
		Total BTEX	(ppm)	6.8	Tolue	ene (ppb)	NA	
		Field Headspace	(ppm)	6.1	Ethylbenz	zene (ppb)	NA	
		ТРН	(ppm)	4200	Total Xyle	enes (ppb)	NA	
Groundwate	r Sample:		Yes	_ No	XXX (If ye	s attach sample	results)	
I HEREBY CI KNOWLEDG		AT THE INFORM	ATION ABOVE	IS TRUE A	ND COMPLETE	TO THE BEST	OF MY	
DATE		5/26/98	PRINTED	NAME	JEFF	CROSS		
SIGNATURE	lef	Lus	AND TITL	E .	PRO	JECT MANAGE	R	
		E PIT CLOSURE		•	URE IS APPRO	VED IN ACCOR	DANCE TO	
APPROVED:	YES		NO	_(REASON)				
SIGNED: <	Kou (6777a-	<u> </u>	DATE:	6-2-9	К		

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APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

SE CORNER

	PIT EXCAV		D CLOS	URE REPOI	RT			APACHE TE VD APPROVA	
	ATION:	APACHE 114					EPO REPRE	SENTATIV	K.C
! PIT C	COUNT:	1					DATE OF R		11/29/95
	· - -	 	-						
				EXCAVAT	ON				,
DIM	ENSIONS	STAR	Т				FINISH		ļ
	W'	Ľ,	D'			W'	L'	D,	CU.Y
PIT 1	52'	52'	5'	PIT 1		56'	56'	10'	
PIT 2	2			PIT 2					
PIT 3	3		l <u>.</u>	PIT 3					<u> </u>
DAT	E: 10/18/95	PIT 1@ 10'	PIT 2@	PIT 3@	DA'	ΓE: 11/29/95	PIT 1@ 10'	PIT 2@	PIT 3@
	CENTER	239.0			_	CENTER	3.9		ļ
	NW CORNER	4.9				NW CORNER	1.1		ļ
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	NE CORNER	92.8			- 1000000	NE CORNER	9.8		
D.	SW CORNER	7.0			D.	SW CORNER	3.1		
	SE CORNER	148.0			listeria 1 como	SE CORNER	12.6	l	<u></u>
TON				7.5', odor to 10'					
				SOIL SAMI	PLINC	}			
DAT	E: 10/18/95	PIT 1@ 10'	PIT 2@	PIT 3@		ALYSIS RESU	LTS	PER LAB:	
	CENTER	239.0			PIT			,	
P.	NW CORNER	4.9		1	┥.	ТРН	BTEX	WITNESS	
I.	NE CORNER	92.8	1		NO	ТРН		WITNESS	DA'
D.	SW CORNER				NO 1	ТРН	BTEX ND	,	ASSAIG DA7
		7.0				ТРН		WITNESS	DA'
D / ~	SE CORNER	7.0		CANON TO CO	1	TPH ND		WITNESS	DA'
	SE CORNER	148.0		-SAMPLE OR	1 CEL	ND ND L(S) SAMPLE	ND	WITNESS IF&S	DA'
DA1.	SE CORNER E: 11/29/95	148.0 PIT 1@ 10'	RE-	-SAMPLE OR PIT 3@	1 CEL	TPH ND L(S) SAMPLE ALYSIS RESU	ND LTS	WITNESS IF&S PER LAB:	DA' 10/18/95 ASSAIG
	SE CORNER E: 11/29/95 CENTER	PIT 1@ 10'			1 CELL AN PIT	TPH ND L(S) SAMPLE ALYSIS RESU TPH	ND	WITNESS IF&S	DA' 10/18/95 ASSAIG
P.	SE CORNER E: 11/29/95 CENTER NW CORNER	148.0 PIT 1@ 10' 3.9 1.1			CELL AN PIT NO	TPH ND L(S) SAMPLE ALYSIS RESU TPH	LTS BTEX	WITNESS IF&S PER LAB: WITNESS	ASSAIG
P. I.	E: 11/29/95 CENTER NW CORNER NE CORNER	148.0 PIT 1@ 10' 3.9 1.1 9.8			1 CELL AN PIT	TPH ND L(S) SAMPLE ALYSIS RESU TPH	LTS BTEX	WITNESS IF&S PER LAB:	ASSAIG
P.	SE CORNER E: 11/29/95 CENTER NW CORNER NE CORNER SW CORNER	PIT 1@ 10' 3.9 1.1 9.8 3.1			CELL AN PIT NO	TPH ND L(S) SAMPLE ALYSIS RESU TPH	LTS BTEX	WITNESS IF&S PER LAB: WITNESS	ASSAIG
P. I.	E: 11/29/95 CENTER NW CORNER NE CORNER	148.0 PIT 1@ 10' 3.9 1.1 9.8	PIT 2@	PIT 3@	AN PIT NO	TPH ND L(S) SAMPLE ALYSIS RESU TPH 4200.0	LTS BTEX	WITNESS IF&S PER LAB: WITNESS	ASSAIG
P. I. D.	E: 11/29/95 CENTER NW CORNER NE CORNER SW CORNER SE CORNER	148.0 PIT 1@ 10' 3.9 1.1 9.8 3.1 12.6	PIT 2@	PIT 3@ -SAMPLE OR	AN PIT NO 1	TPH ND L(S) SAMPLE ALYSIS RESU TPH 4200.0	ND LTS BTEX 6.8	WITNESS IF&S PER LAB: WITNESS JDT	ASSAIG
P. I. D.	E: 11/29/95 CENTER NW CORNER NE CORNER SW CORNER SE CORNER	PIT 1@ 10' 3.9 1.1 9.8 3.1	PIT 2@	PIT 3@	CELL NO 1	TPH ND L(S) SAMPLE ALYSIS RESU TPH 4200.0 L(S) SAMPLE ALYSIS RESU	ND LTS BTEX 6.8	WITNESS IF&S PER LAB: WITNESS JDT PER LAB:	10/18/95 ASSAIG DA' 11/29/95
P. I. D.	SE CORNER E: 11/29/95 CENTER NW CORNER NE CORNER SW CORNER SE CORNER E: CENTER	148.0 PIT 1@ 10' 3.9 1.1 9.8 3.1 12.6	PIT 2@	PIT 3@ -SAMPLE OR	AN PIT AN PIT AN PIT	TPH ND L(S) SAMPLE ALYSIS RESU TPH 4200.0 L(S) SAMPLE ALYSIS RESU TPH	ND LTS BTEX 6.8	WITNESS IF&S PER LAB: WITNESS JDT	10/18/95 ASSAIG DA' 11/29/95
P. I. D.	E: 11/29/95 CENTER NW CORNER NE CORNER SW CORNER SE CORNER E: CENTER NW CORNER	148.0 PIT 1@ 10' 3.9 1.1 9.8 3.1 12.6	PIT 2@	PIT 3@ -SAMPLE OR	CELL NO 1	TPH ND L(S) SAMPLE ALYSIS RESU TPH 4200.0 L(S) SAMPLE ALYSIS RESU TPH	ND LTS BTEX 6.8	WITNESS IF&S PER LAB: WITNESS JDT PER LAB:	DA'
P. I. D.	SE CORNER E: 11/29/95 CENTER NW CORNER NE CORNER SW CORNER SE CORNER E: CENTER	148.0 PIT 1@ 10' 3.9 1.1 9.8 3.1 12.6	PIT 2@	PIT 3@ -SAMPLE OR	AN PIT AN PIT AN PIT	TPH ND L(S) SAMPLE ALYSIS RESU TPH 4200.0 L(S) SAMPLE ALYSIS RESU TPH	ND LTS BTEX 6.8	WITNESS IF&S PER LAB: WITNESS JDT PER LAB:	10/18/9 ASSAIC DA

11-29-95 XCM

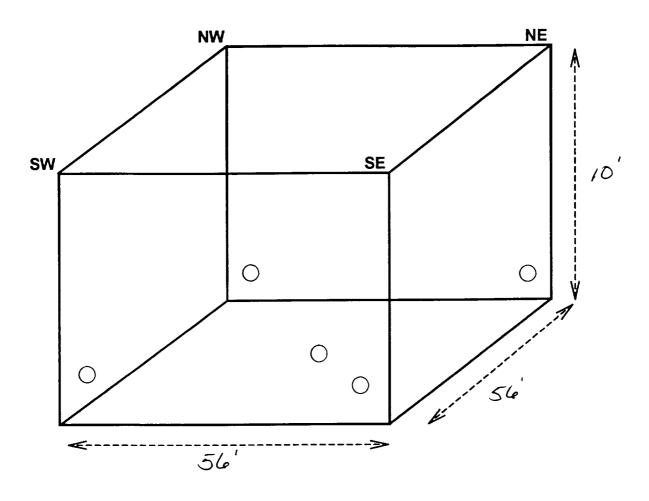
				11/29/05 / Composite	10/18/95 1 Composite	Composite)	Date Pit Type Sampled No. (Grab or		Total Cu. Yards Removed:	3 Type: H C Dimensions Pit 3 Start:	2 Type: H C Dimensions Pit 2 Start:	1 Type: H x C Dimensions Pit 1 Start:		Date Start: 10/17/95	Date: 10/17/95	
				10' "	10' Composite sample of the pit bottom		Interval Location (Depth)	TPH & BTEX ANALYSIS	661			52' x 52' x 5'	DIMENSIONS & YARDAGE	Number of Pits: 1	Well Number: 114	PIT CLOSURE STATUS REPORT (CONFIDENTIAL)
				1. 4200 ND	4/1)		TPH (mg/Kg)		Total Liquids Removed: 20 bbls	Dimensions Pit 3 Finished:	Dimensions Pit 2 Finished:	Dimensions Pit 1 Finished: 56' x 5		Date Finished: 10/18/95	Proj. Number: 95017	श
				D ND 81 3723	ON ON ON ON	B T E P&M O,X	BTEX (mg/Kg)		is.			56' x 56' x 10'		95		

Notes:

		PIC	PID READINGS		Site Number: 114
Date	Pit No.	Interval (Depth)	Location	Reading (ppm)	Notes:
10/18/95	_	10'	Center	239	Starting depth 5 feet. First foot of excavation was a black, puddin
10/18/95	-	10'	Bottom, N.W. Corner	4.9	changed to a light gray, sandy soil with some odor from 6 foot un
10/18/95	_	10'	Bottom, N.E. Corner	92.8	total depth (10 feet). Staining faded to some degree on the west side. However, staining is still gray on the east side and center.
10/18/95	->	10'	Bottom, S.W. Corner	7.0	
10/18/95		10'	Bottom, S.E. Corner	148	
11/29/15	İ	10'	Curter	9.9	
			$\mathcal{M} \omega$	1.)	
	į		JV.	9,8	
			3W)	3.1	
			75	12.6	

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			= SAMPLE AREA
WELL NAME		APACHE # 114	
SAMPLE DATE		11/29/95	
NOTES	5 PC	DINT COMPOSITE SAMPLE TAKEN 8" TO 10	" INTO PIT
	SID	EWALL AND PIT BOTTOM CENTER.	
,			
			

(, 1 ID: 9512029-11B Sample ID: AP #146-C	-	Collected: Matrix: So		5 13	:32:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	37 12/05/95	mg/Kg N/A	5.0	5.0	12/07/95	SLFTD053
Lab ID: 9512029-12A Sample ID: AP #146-H		Collected: Matrix: So	11/29/9 DIL	5 13	:48:00	
TEST / METHOD	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 0.0010 0.0010	500 500 500 500 500	12/06/95 12/06/95 12/06/95 12/06/95 12/06/95	SBTXME093 SBTXME093 SBTXME093 SBTXME093 SBTXME093
Lab ID: 9512029-12B Sample ID: AP #146-H		Collected: Matrix: So		95 13	:48:00	
ST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	2600 12/05/95	mg/Kg N/A	5.0	250	12/07/95	SLFTD053
Lab ID: 9512029-13A Sample ID: 19512029-13A		Collected: Matrix: So	11/29/9	95 14	:18:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_ F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND ND 0 816 2.31	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: 9512029-13B Sample ID: 22 #114		Collected: Matrix: So	11/29/ OIL	95 14	: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	7200 9	mg/Kg N/A	5.0	500	12/07/95	SLFTD053



Chain of Custody Record

Page

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7300 JEFFERSON, N.E. ALBUQUERQUE, 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

Applyed Decided	MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Client		Project Manager / Contact		CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320
Address		Telephone No.		Analysis Required
City / State / Zip		Fax No.		
Project Name / Number		Samplers: (Signature)	C Jr	Remarks
Contract / Purchase Order / Quote			No. of co	and -
AAL Fleid FRACTION Sample Number / Location	Deto	Sample Type / Size of Container	Temp. Chemical	1/7
1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	815 bela	Soil 4/2 7/455	70 Nove 2	
	10:5 DKIII	\ \ \ \ \ \ \ _	£	
The second secon				
(B)	11/30 2.50	3011 402 Alass	IG Now 2	
26. 11 1 3 (19)				
H. J. 4 38 9 1/11	متعاريا		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
1-11-11 7-11-1 3 HAI	200		20	
19A.B 4: 4 11-0	at: K		2	
30A-B AF # 1171	\$2.50 \$1.50		9	
11110 10 10 10 10 10 10 10 10 10 10 10 1	\$. A		2	
11 601 HIV 9 HC	50 E		e e	
3A B > 1 1	27.40	-	1 × × × ×	
telinquished by: Signature	Received by:	7	Mr. 1	Date Received by:
PrintedTime	Printed	101 00011	Printed C // ~ / ~ / / / / C	Printed
Company	Company		Company +	S. Reason
Mothod of Shipment	Comments:	١	,	After analysis, samples are to be: Disposed of (additional fee)
Shipment No				Stored (30 days max)
Spacial Instructions:				Stored over 30 days (additional fee)
				Returned to customer



WELL HEAD

Revised 6/1/97

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RIO ARRIBA COUNTY, NY

SECTION 24. TOWNSHIP 24N RANGE 4W

NE/4 SE/4 (I)

APACHE NUMBER 114 Lease # JAT 129

APACHE

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H' H 38' EPNS NETER RUN

LAND FARM.

110 x45'x18"

dia:

SPARATOR

I45'FWH RECLAIMED

466 BBL

400 BBL

OIL

PIT

300°000

H20

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:	2855 SOUTHSII	DE RI	VER ROAD	/SUITE A	/ FARMING	TON , N.M.	87401-79	47
Facility or Well Name:	APA	CHE	# 114		<u> </u>		·	
Location: Unit or Qt	r/Qtr Sec	<u> </u>	Sec 24	T 24N	R 4W	_County	RIO ARRI	BA
Land Type	JIC. TRIBAL							
Date Remediation Start	ed: 10 /1	8/95		Date Com	pleted:		5/14/98	
Remediation Method:	Landfarmed		XXX	Approx. c	ubic yards		661	
	Composted		•	-				
	Other							
Depth to Groundwater:		(pts)	0		Final Clos	sure Samp	ling	
Distance to an Epheme	ral Stream:	(pts)	0	Sampling	Date:	5/14/98	_Time:	3:15PM
Distance to Nearest Lak or Watering Pond:	e, Playa,	(pts)	0		ole Results:			
Wellhead Protection Are	ea:	(pts)	0	Field Headsp		ND ND	- Method	M8015
Distance To Surface W	ater:	(pts)	0	Othe	r BTEX \S			
RANKING SCORE (TO	TAL POINTS)		0		I BIEX (O	11010,002		
I HEREBY CERTIFY THE KNOWLEDGE AND BE		MÄTIC	N ABOVE	IS TRUE A	ND COMPI	ETE TO T	HE BEST C	OF MY
DATE:	5/26/98		PRINTED	NAME		JEFF CR	oss	
SIGNATURE <u>fe</u>	Alwa	<u> </u>	TITLE		PROJEC1	MANAGE	R	<u></u>
AFTER REVIEW OF TH ACCORDANCE TO TH							IS APPRO	OVED IN
APPROVED: YES	s_ <u>X</u>	NO		(REASON	٧)			_
SIGNED:	C. Mam	U	DATE:	6-	2-98			- -

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE	APACHE # 114		_	
* AMOUNT OF SOIL UNDE	RGOING REMEDIATION	661	Yds.	
CELL No. 1		SampDATE 5/14/98	TPH ND	BTEX ND
DIMENSIONS(LxWxH)	210' X 45' X 18"			
CELL LOCATION (dir. from well	head WEST			
* DATE BEGAN: 10/18/95)			
DATE TERMINATED (TPH <5,00	00 ppm/BTEX< 50 ppm/Benzene < 10 ppm)	5/14/98	3	-
CELL No. 2		SampDATE	ТРН	BTEX
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well	head			
* DATE BEGAN:				
DATE TERMINATED (TPH <5,00	00 ppm/BTEX< 50 ppm/Benzene < 10 ppm)			•
CELL No. 3		SampDATE	TPH	BTEX
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well	head			
* DATE BEGAN:				
DATE TERMINATED (TPH <5,00	00 ppm/BTEX< 50 ppm/Benzene < 10 ppm)			-
REMEDIATION RECORD: (Date 10/20/95 TREAT SOIL WITH 28 6/17/98 TREAT SOIL WITH 46-0 5/5/98 PLOW SOIL. 5/11/98 TILL SOIL.		SOIL.		

From excavation reports.

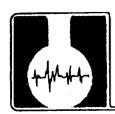
NOTES: ALL SAMPLES TAKEN 10" TO 12" INTO CELL. point composite Sample

MELL NAME: Apache #114,

SAMPLE DATE: 5-14-98

DIMENSIONS: 210'x45' x18'

= SAMPLE AREA



ASSAIGAI ANALYTICAL LABORATORIES, INC.

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



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

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: APACHE CORPORATION

Project: 9805129 JICARILLA PIT CLOSURE

William P. Biava: President of Assaigai Anartical Laboratories, Inc.

Client Sample ID	APACH	E #114	4 CELL		Sample Matrix	SOIL				Sample Collected	05/14/98 15:15:00
Fraction	QC Group	CAS#		Result		<u>Units</u>	Dilution <u>Factor</u>	Detection <u>Limit</u>	*	Sequence	Run Date
			SW846-8020 Volatiles								
9805129-01A	X98267	71-43-2	Benzene	ND		mg / Kg	50	0.005		XG.1998.464-21	05/14/98
	X98267	100-41-4	Ethylbenzene	ND		mg / Kg	50	0.005		XG.1998.464-21	
	X98267	95-47-6	o-Xylene	ND		mg / Kg	50	0.005		XG.1998.464-21	
	X98267		p/m Xylenes	ND		mg / Kg	50	0.01		XG.1998.464-21	
	X98267	108-88-3	Toluene	ND		mg / Kg	50	0.005		XG.1998.464-21	
			SW846-8015 Modified TPH								
9805129-01 B	X98268		Diesel Range Organics	ND	i	mg / Kg	25	25		XG.1998.465-20	05/15/98



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

LABORATORIES, INC. ASSAIGAI ANALYTICAL

Client Apache Corporation

Chain of Custody Record

Project Manager / Contact Jeff Cross

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

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

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