State of New Mexico Energy, Minerals and Natural Resources Department

Submit 1 copy to

Natural Resource Dept.
and Oil & Gas Administration

Note sayde Healspace

Oil Conservation Division 2040 S. PACHECO Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Apache Corporation			Telephon	505-325	-0318			- 4
Address:	2855 Southside Rive	er Road, Suite	e A, Farmin	gton, NM 87	401			Warsh.	
Facility or W	ell Name: JAT 358	#5							_
Location:	Unit or Qtr/Qtr Sec	NE/NE	Sec 7	T 22N	R 2W	County	SANDO	/AL	<u>_</u>
Pit Type:	Separator:	_ Dehydrator		Other	BLOW P	TI			
Land Type:	JIC. TRIBAL								
Pit Location: (Attach diagr	Beginning Pit Dimen Ending Pit Dimens am)		Length Length	50' 50'	_Width _Width	35' 35'	Depth Depth	6' 6'	
	Reference: Footage from re	Wellhead	XXX 150'	Other				_	
	Direction from r		10	Degrees	<u> </u>	East of	North	x	
						West	South		·
Depth To Gr (vertical distance contaminants to high water eleva groundwater)	e from seasonal			Less than 50 feet to Greater th	99 feet	et	(20 point (10 point (0 points	s)	
	an Ephemeral Strean nt dry wash greater th dth			Less than Greater th		et	(10 point (0 points	·	
(Downgradie	Nearest Lake, Playa, nt lakes, playas and vildlife watering ponds	_	Pond:	Less than Greater th		et	(10 point (0 points		-
(Less than 2) domestic wa	otection Area: 00 feet from a private ter source, or less that m all other water source				Yes No		(20 point (0 points	·	_
(Horizontal d	Surface Water: istance to perennial , rivers, streams, creel	ks,		Less than 100 feet to Greater th	1000 fee		(20 point (10 point (0 points	s)	
iditoo, pondo								·	

Date Remediation Start	ed:	11/19/1999		Date Com	oleted:	09/19/2000		
Remediation Method:		Excavation		Approx. cu	ıbic yards			
(Check all appropriate sections)	La	andfarmed		Insitu Biore	emediatio	n		
		Other				center, compo	site core	sample
Remediation Location:		Onsite	4' below pit	bottom corr Offsite	<u>ners</u>			
(i.e. landfarmed onsite, name and location of offsite facility)		Offsite	^^					
General Description of	Remedial A	Action:	NONE REQ	UIRED, NO	CONTAI	MINATION DE	TECTED	
9/19/00 B	ACKFILLE	AND RESE	EDED					·
Groundwater Encounte	red:	No	xxx	Yes_		Depth		_
Final Pit: Closure Sampling: (in multiple samples,	Sample lo	cation	Core sample of pit corner		oit bottom	center, 4 poin	ts compo	site sample
attach sample results and diagram of sample	Sample de	pth	CORE SAM	IPLE 4' BEL	OW PIT E	воттом.		
locations and depths) Sample Da	ate		11/19/1999		Sample ⁻	Гime	9:30AM	9: 4 5AM
Sample re	sults		(corner/cent	er			-
Soil:	Benzene		(ppm)	ND/ND	_Water:	Benzene	(ppb)	NA
	Total BTE	X	(ppm)	ND/ND	_	Toluene	(ppb)	NA
	Field Head	ispace	(ppm)	62.5/ND	_ E1	thylbenzene	(ppb)	NA
	TPH		(ppm)	ND/ND	_ To	otal Xylenes	(ppb)	NA
Groundwater Sample:		Yes		_No	xxx	(If yes attac	ch sample	results)
I HEREBY CERTIFY TH KNOWLEDGE AND BEI		FORMATIO	N ABOVE IS	TRUE AND	COMPL	ETE TO THE	BEST OF	MY
DATE	2-00		PRINTED N	IAME		Jeff Cross		
SIGNATURE	12-00 14 lu	77	_AND TITLE			Project Ma	nager	

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

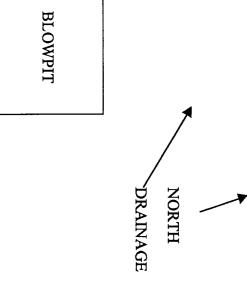
Operator:	APACHE CORPORATION	Telephone 505-325-0318	
Address:	2855 SOUTH SIDE RIVER ROAD FARMI	NGTON N.M. 87401	
Facility or We	ell Name:JAT 358 # 5		
Location:	Unit or Qtr/Qtr Sec NE/NE SEC 7	T 22N R 2W County	SANDOVAL
Pit Type:	Separator:Dehydrator	Other BLOW PIT	
Land Type:	JIC. TRIBAL		
Pit Location: (Attach diagra	Pit Dimensions: Length 50' am) Reference: Wellhead XXX	Width <u>35'</u> Depth Other	<u>6'</u>
	Footage from reference: 150'		
	Direction from reference: 10°	DegreesEast	North X
		of West	South
Depth To Gr (vertical distance		Less than 50 feet 50 feet to 99 feet	(20 points) (10 points)
contaminants to a high water elevati groundwater)		Greater than 100 feet	(0 points) 0
	an Ephemeral Stream: nt dry wash greater than dth	Less than 100 feet Greater than 100 feet	(10 points) 0
(Downgradie	Nearest Lake, Playa, or Watering Pond: nt lakes, playas and vildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 points) 0
(Less than 20 domestic wat	rotection Area: 00 feet from a private ter source, or less than m all other water sources)	Yes No	(20 points) (0 points) 0
(Horizontal d lakes, ponds	Surface Water: listance to perennial , rivers, streams, creeks,	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points) 0
irrigation can	als and ditches)	RANKING SCORE (TOTAL POIL	NTS) <u>0</u>

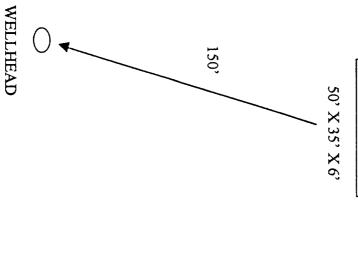
Date Remedi	ation Start	ted: <u>11/19/</u>	99	_Date Compl	eted: <u>9-7</u>	9-00
Remediation (Check all app		Excavation	·	_Approx. cub	ic yards	
sections)	ргорпасе	Landfarme	ed	_Insitu Biorer	nediation	
Remediation (i.e. landfarmename and loc	ed onsite,	Other		it bottom corr		mposite core sample
offsite facility				-		
General Des	cription of	Remedial Action: .	NONE	Reguire	J Pit TOBE	BARKEILLED and G-00 BACKFILPIT
	<u></u> £	Reserded N	o contam	ivertion L	etectes. 9-1	9-00 BACK fill pit
Groundwate	r Encounté	And Reservi ered:	No <u>xxx</u>	Yes_	Dep	th
Final Pit: Closure Sam (in multiple sa	amples,	Sample location		ole 4' below pi om corners.	it bottom center,4po	oint composite sample
	of sample	Sample depth	CORE SA	MPLE 4' BEL	OW PIT BOTTOM	•
locations and	Sample Da		11/19/99	9	Sample Ti <u>me;</u>	9:30Am,9:45Am
	Sample re	sults	cor	ners/center		
	Soil:	Benzene	(ppm)	ND/ND !	Water: Benzene	e (ppb) NA
		Total BTEX	(ppm)	NO/NO	Toluene	(ppb) NA
		Field Headspace	(ppm)	62.5/ND	Ethylbenzen	e (ppb) NA
		TPH	(ppm)	ND/ND	Total Xylene	s (ppb) NA
Groundwate	r Sample:	Y	'es	_ No_	XXX (If yes a	ttach sample results)
I HEREBY CI KNOWLEDG			TION ABOVE	IS TRUE AN	ID COMPLETE TO	THE BEST OF MY
DATE	9-19	- 2000	PRINTED	NAME	JEFF C	ROSS
SIGNATURE		-2000 yf lwn	AND TITI	LE _	PROJEC	CT MANAGER
1		IE PIT CLOSURE IN HE TRIBE PIT CLO		•	URE IS APPROVE	D IN ACCORDANCE TO
APPROVED:	YES	<u> </u>	NO	_(REASON)		
:	,)	C 5.1				
SIGNED: -	Xve	-C Ma		_DATE: _	11-9-0	0

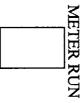
Pit Impact Rating Sheet

Unsa Suspected Groun	t Location: Jsage: ion: dwater Elevation YES YES ater: imination: y Contamination tureated Conta	7200' on: 0 0 on/Sature mination mination:	BLOW PIT NO XX NO XX ated Soils: (Odor or F	NONE		ND		
RATING: Depth to Ground < 50' 50' - 9 > 100 Rat	water: 99'	20 10 0		Wellhead I	Protection Ar < 1000' from <200' from a	n water so		20 0
Distance to Surfa < 200 200'		et tal feet	20 10 0	-	Ephermeral < 100' horize > 100' horize Lake, Playa < 100' horize > 100' horize	ontal feet ontal feet a or Water ontal feet	Yes No Rating	0 Ith 10 0 0
FINAL SOIL F TPH: 500 Benzene: 1 BTEX: 5	0 ppm 0 ppm 0 ppm	ON STA	NDARDS	<u>S:</u>		Tota	l Rating	0
Soil: Groundwater: PROBABLE SO Bioremediation: Composting: Disposal: Thermal Desorp Soil Venting: Other:	TPH: ND TPH: NA IL REMEDIATI On-Site Facility Nam		Benzene: Benzene: HNIQUE:	NA NA	_ppm _ppm	BTEX:		_ppm _ppm - - - - -

JAT 358 # 5 NE/NE (A) SEC 7 T22N R2W SANDOVAL, COUNTY N.M.







APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JAT 358 # 5

LOCATION

PIT C	TNUC	1	-						
	START				FINISH			7	
DIMEN					T INTOLL			1	
Divide to	L	l w	l D			L	T W	T D	CU YDS
Pit 1	50'	35'	6'	Pit 1	220100000000000000000000000000000000000				
Pit 2			<u> </u>	Pit 2			1		
Pit 3				Pit 3					
DATE:	·	Pit 1 @ 10'	Pit 2 @	Pit 3 @	Date:	L	Pit 1 @	Pit 2 @	Pit 3 @
	Center	ND		1.110		Center		 	
Р	NW Corner	ND	<u> </u>		₽	NW Corner			
	NE Corner	ND			1 1	NE Corner			
О	SW Corner	250	<u> </u>		i i	SW Corner			
	SE Corner	ND ND	†		┧ "	SE Corner		+	
NOTE	·1	<u> </u>	STAINING	, OVERGROWN	J WITH S	21	<u> </u>	<u></u>	1
11012		THO THOMADEL	. 01/11/11/10	, OVEROROW	1111110	TOLD TOOT I.			
	11/19/99 TO	OK ONE CORE	SAMPLE 4	4' BELOW PIT B	OTTOM C	ENTER PID I	READINGS NO)	
		STAINING O		T DEECOTTITE	<u> </u>		(2) (3) (100) (1		· · · · · ·
<u> </u>				CORE SAMPLE	4' BELO	W PIT BOTTO	M CORNERS	S	<u> </u>
				CORNERS ND.					
				250 PPM , CON					INE)
 		STAINING , V			I IIILD AI	10%. 100%	O AILLA. (OI	TOEK BEOTT E	
 	LIGITI OKLI	OTAINING, I	WITHEIGH	ODOIN.		-			
 									
<u> </u>									
	 								
								-	
<u> </u>									
	DATE	11/19/99		SOIL SAMP	LING				
	DAIL		Pit 2 @	Pit 3 @		SIS RESULTS		PER LAB	Assaigai
	Center		FIL 2 (W	FR3@	PIT	·	BETEX	WITNESS	DATE
P	NW Corner	ND ND			NO	TPH SIDE\BTM	SIDE\BTM	VVIINESS	DATE
, .		 			+			1.0	44/40/00
	NE Corner	ND SEE	 		1	ND/ND	ND/ND	J.C.	11/19/99
D	SW Corner	250	ļ		2			<u> </u>	
	SE Corner	ND			3	<u> </u>	<u> </u>	 	<u> </u>
5.475		150 . 5	T=::::::	RE-SAMPLE					
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	+	SIS RESULTS	1	PER LAB	
	Center				PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner				NO	SIDE\BTM	SIDE\BTM		
- 1	NE Corner				11		ļ	<u></u>	
D	SW Corner				2				
	SE Corner				3				
				RE-SAMPLE					
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANALYS	SIS RESULTS		PER LAB	
	Center				PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner				NO	SIDE\BTM	SIDE\BTM		
	NE Corner				1		1		
D	SW Corner				2	 	1		· · · · · · · · · · · · · · · · · · ·
	SE Corner				3				
		<u></u>					1		<u> </u>



ASSAIGAI **ANALYTICAL** LABORATORIES, INC.

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

3332 Wedgewood Dr., Suite N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

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

	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

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client:

APACHE CORPORATION

Project: **9911224**

JIC. PIT REMEDIATION

Client Sample ID	JAT358#5 P	IT SIDES		Sample SO Matrix	IL			mple liected	11/19/99 09:30:00
						Dilution	Detection		Run
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Factor	Limit	Code	Date
9911224-01	Α	SW846 5030A	/8021B Purgeable VOCs by GC	C/PID					
X99383	XG.1999.993-18	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-18	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-18	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-18		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-18	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99
9911224-01	A	SW846 ME/80	15A Diesel Range Organics by	y GC/FID					
X99385	XG.1999.1002-14		Diesel Range Organics	ND	mg / Kg	1	25		11/30/99

Client Sample ID	JAT358#5 P	IT CENTER		Sample SO Matrix	IL			mple llected	11/19/9 09:45:0
						Dilution	Detection		Run
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Factor	Limit	Code	Date
9911224-02	2 A	SW846 5030A/8	3021B Purgeable VOCs by 0	SC/PID					
X99383	XG.1999.993-19	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-19	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-19	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-19		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-19	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99

Page 1 of 2

Client Reports

2.0

Report Date

12/2/99 3:29:54 PM



Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client:

APACHE CORPORATION

Project: 9911224 JIC. PIT REMEDIATION

9911224-02	\	SW846 ME/8015A Diesel Range Organics by GG	C/FID				
X99385	XG.1999.1002-15	Diesel Range Organics	ND	mg / Kg	1	25	11/30/99

*** Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. ***

*** ND = Not detected: less than the sample specific Detection Limit. Results relate only to the items tested. ***

footnote

Sample was received with headspace.

memo

Please note that the cooler was received at a temperature greater than 4 degrees C.

ASSAIGAI APP O Chain of Custody Record ANALYTICAL 12/67 A The state of the s

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

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

LOS ALAMOS, NEW MEXICO 87 127 EASTGATE DRIVE, 2124

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