State of New Mexico Energy, Minerals and Natural Resources Department

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

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

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Apache Corporation			Telephon	505-325-	0318		144	
Address:	2855 Southside Rive	r Road, Suite	e A, Farmin	gton, NM 87	401				
Facility or We	ell Name: JAT 358	#6						The second secon	g van '
Location:	Unit or Qtr/Qtr Sec	SW/NW	Sec 6	T 22N	R 2W	County	SANDOVA	AL	
Pit Type:	Separator:	_Dehydrator		Other	BLOW P	IT		_	
Land Type:	JIC. TRIBAL								
Pit Location: (Attach diagra	Beginning Pit Dimens Ending Pit Dimens am) Reference:		Length Length	50' 50'	_Width _Width	35' 35'	Depth Depth	6' 6'	
	Footage from re		150'	Other				-	
	Direction from re	eference:	140	Degrees		East of West	North South	x	
		:-: <u>-</u> -				vvest			
Depth To Gre (vertical distance				Less than 50 feet to			(20 points (10 points	· ———	
contaminants to	seasonal				an 100 fe	et	(0 points)	· 	
high water elevat groundwater)	IION OI								
	an Ephemeral Strean nt dry wash greater th dth			Less than Greater th	100 feet nan 100 fe	et	(10 points)	·	
(Downgradie	Nearest Lake, Playa, nt lakes, playas and vildlife watering ponds	_	J Pond:	Less than Greater th	100 feet nan 100 fe	et	(10 points)	·	
(Less than 20 domestic wat	otection Area: 00 feet from a private der source, or less that m all other water source				Yes No		(20 points)	·	
(Horizontal di lakes, ponds	Surface Water: istance to perennial , rivers, streams, cree als and ditches)	ks,			i 100 feet o 1000 fee nan 1000 f		(20 points (10 points)	5)	
				RANKING	SCORE	(TOTAL PO	INTS)	0	

Date Remedi	ation Start	ed:	11/19/1999		Date Com	pleted:	09/20/2000)	
Remediation (Check all app			Excavation		Approx. c	ubic yards		<u>. </u>	· · · · · · · · · · · · · · · · · · ·
sections)	spriate	I	Landfarmed		Insitu Bio	remediatio	n		
			Other		ple 4' below oit bottom cor		center, comp	osite core	sample
Remediation (i.e. landfarme name and loca offsite facility)	ed onsite, ation of		Onsite	XX	Offsite				
General Desc	ription of	Remedia	l Action:	NONE RE	EQUIRED, N	O CONTAI	MINATION DE	ETECTED	
	9/20/00 B	ACKFILLE	ED AND RESE	EDED					
Groundwater	· Encounte	red:	No	xxx	Yes		Depth		
Final Pit: Closure Sam (in multiple sa attach sample	imples,	Sample lo	ocation	Core sam	<u> </u>	pit bottom	center, 4 poir	nts compo	site sample
and diagram of locations and	of sample	Sample o	lepth	CORE SA	MPLE 4' BE	LOW PIT E	воттом.		
locations and	Sample Da		*****	11/19/199	orner/cen	_Sample	Γi <u>me</u>	8:15AM	, 8:30AM
	Soil:	Benzene		(ppm)	ND/ND	_Water:	Benzene	(ppb)	NA
		Total BTI	EX	(ppm)	ND/ND	_	Toluene	(ppb)	NA
		Field Hea	adspace	(ppm)	ND/ND	_ E1	hylbenzene	(ppb)	NA
		TPH		(ppm)	ND/ND	Т	otal Xylenes	(ppb)	NA
Groundwate	r Sample:		Yes		No	xxx	(If yes atta	ch sample	e results)
I HEREBY CE			NFORMATIO	N ABOVE	IS TRUE AN	D COMPL	ETE TO THE	BEST OF	MY
DATE		22 -0) D	PRINTED	NAME	-	Jeff Cross	1	
SIGNATURE	- fy	22-0 H (u	<u> </u>	_AND TIT	E		Project Ma	anager	

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

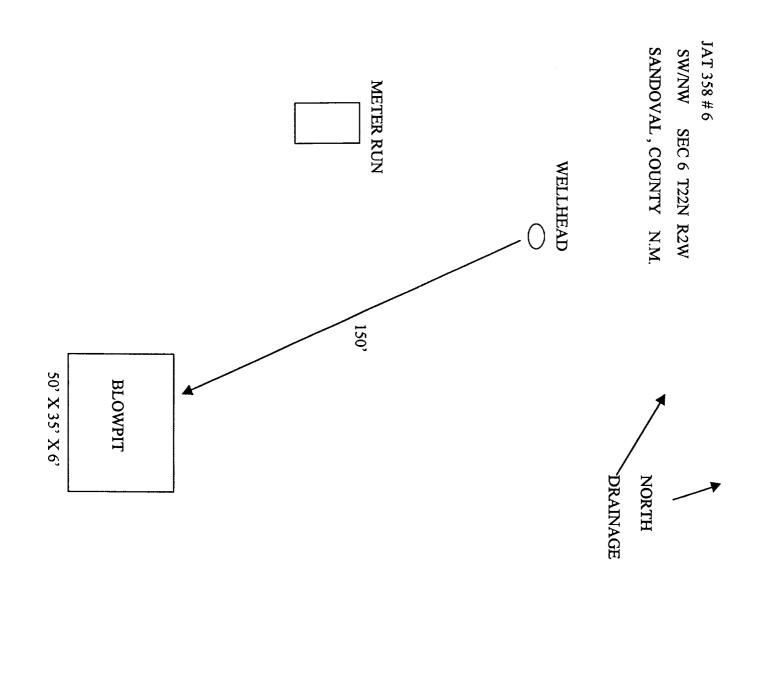
PIT REMEDIATION AND CLOSURE REPORT

Operator:	APA	CHE CORPORAT	ΓΙΟΝ		Telephone)	505-32	5-0318		
Address:	2855	SOUTH SIDE R	IVER ROAD	FARMIN	GTON N.	M. 8	7401			
Facility or We	ell Na	me:	JAT 358#	6					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Location:	Unit	or Qtr/Qtr Sec	SW/NW	SEC 6	T 22N	R 2	2W	County	SANDOVA	<u>L</u>
Pit Type:	Sepa	arator:	Dehydrator		Other	BLC	OW PIT			
Land Type:		JIC. TRIBA	AL							
Pit Location: (Attach diagra	am)	Pit Dimensions:	Length_ Wellhead	xxx	Width		35'	Dep	th 6'	
		Footage from ref	•	150' 140°	Degrees				North of	
								West	South	X
Depth To Gr	ounc	lwater:			Less than	50 fe	eet		(20 points)	
(vertical distance	from				50 feet to	99 fe	eet		(10 points)	
contaminants to s	season	al			Greater th	an 10	00 feet		(0 points)	0
high water elevati groundwater)	ion of									
Distance to	an Er	ohemeral Stream	:		Less than	100	feet		(10 points)	
	-	wash greater tha			Greater th				(0 points)	
ten feet in wi	•	J								
Distance to	Near	est Lake, Playa, e	or Watering	Pond:	Less than	100	feet		(10 points)	
(Downgradie	nt lak	es, playas and			Greater th	an 1	00 feet		(0 points)	0
		e watering ponds)								
Wellhead Pr							Yes		(20 points)	
		et from a private					No		(0 points)	0
		urce, or less than other water sourc	es)							
Distance To	Surf	ace Water			Less than	100	feet		(20 points)	
		ce to perennial			100 feet to				(10 points)	
-		rs, streams, creek	S.		Greater th			et	(0 points)	0
irrigation can		·			RANKING	SCO	ORE (T	OTAL PO		0

Date Remedi	ation Star	ted: <u>11/</u>	19/99	Date Comp	oleted: 9	-20-00	
Remediation		Excav	ation	Approx. cu	bic yards		
(Check all appointment)	propriate	Landfa	rmed	Insitu Biore	emediation		
Remediation (i.e. landfarm name and loc offsite facility)	ed onsite, ation of	Othe		v pit bottom co	pit bottom center,comers.	omposite core	sample
		Remedial Actio	n:. <i>Nor</i>	JE Recard	ed PitTOBE	Back Fille	dano
	Res	seeded. No	Contamin	vt:22 Octe	ed, PitTOBE eteD - 9-20-0	O Back Fo	110,+
Groundwate	AN	in Resceo	No xxx			pth	_
Final Pit: Closure Sam (in multiple sa		Sample location		mple 4' below pottom corners.	oit bottom center,4p	oint composit	e sample
_	of sample	Sample depth	CORE	SAMPLE 4' BE	LOW PIT BOTTON	Л.	
locations and	Sample Da		11/19	/99	Sample Time;	8:15Am,8:30	Am
	Sample re	sults	c	corners/center			
	Soil:	Benzene	(ppm)	NO/ND	Water: Benzen	ie (ppb)	NA
		Total BTEX	(ppm)	NOIND	Toluene	e (ppb)	NA
		Field Headspace	e (ppm)	ND/ND	Ethylbenzei	ne (ppb)	NA
		TPH	(ppm)	ND/ND	. Total Xylen	es (ppb)	NA
Groundwate	r Sample:		Yes	N o	XXX (If yes a	attach sample	results)
			MATION ABO	VE IS TRUE A	ND COMPLETE TO	O THE BEST	OF MY
KNOWLEDG DATE			PRINT	ED NAME	JEFF (CROSS	
SIGNATURE	· //	9-2000 12 Jeff lios	AND T	TLE	PROJE	CT MANAGE	R
		IE PIT CLOSURE HE TRIBE PIT C		•	SURE IS APPROVE	D IN ACCOR	DANCE TO
APPROVED:	YES		NO	(REASON			
	,)		1	0			:
SIGNED:	Ku	-CM	and	DATE:	11-9-0	0	:

Pit Impact Rating Sheet

Well Name:		JAT 35	B # 6					
Well Location				22 N R	2 W		•	
	Pits at Location:	1	51 614 513	.				
Estimated E	and Usage:	7300'	BLOW PI		-			
	erevation: Groundwater Elevati			-				
Vulnerable .		011.	NO XX		-			
Fluid in Pits		•	NO XX	_				
(% Water:	0		_				
	% Oil:	0	•					
	Contamination:		-					
	Highly Contamination					- ND		
	Unsatureated Conta Groundwater Conta			YID Readin	ig): YES	ND	-	
•	Reason for Suspicion		. 140		_ 123		•	
1	reason for Oaspiole	/II.					•	
-	1. T				*****		-	
RATING:							•	
IVATING.								
	roundwater:			Wellhead	Protection A			
	< 50'	20				om water so n a domestic		
	50' - 99' > 100'	10 0			<200 Holl	i a domesii	Yes	20
,	Rating	0	•				No	0
	rumg	_					Rating	0
	Surface Water:			Distance	to Ephermer			
	< 200' horizontal fee		20			izontal feet	Yes No	10
	200' - 1000' horizon > 1000' horizontal fe		10 0		> 100 Hori	izontal feet	Rating	<u>0</u>
	> 1000 Honzontal R	Rating	0	-			rtating	•
			•	Distance	to Lake, Pla	ya or Water	ing Pond	
						izontal feet	Yes	10
					> 100' hor	izontal feet	No	0
							Rating	0
FINAL SC	OIL REMEDIATION	ON STA	NDARDS	S <u>:</u>		Tota	l Rating	0
TPH:	5000 ppm							
Benzene:	10 ppm							
BTEX:	50 ppm							
KNOWN AI	NALYSIS:							
1	. W. C. I O. O.							
Soil:	TPH: No	ppm	Benzene:	WD	_ppm	BTEX:		ppm
Groundwate	er: TPH: NA	ppm	Benzene:	NA	ppm	BTEX:	NA NA	ppm
DDODADLE	COULDENSEDIATI	0N TE0	UNIONE.					
Bioremedia	<u>E SOIL REMEDIATI</u> ition: On-Site	ON TEC	HNIQUE:					
Dioromodia		-						-
Composting	g:							-
Disposal:	Facility Nam	е						
Thermal De								_
Soil Venting								-
Other:						•		_
								-



APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JAT 358 # 6

LOCATION

PIT C	OUNT	1	_						
			-						
	START				FINISH		 	7	
DIMEN		 			1 1141011	····			1
	L	W	D			L	l W	D	CU YDS
Pit 1	50'	35'	6'	Pit 1	778-000144-140014-00-14000-		1		
Pit 2		<u> </u>		Pit 2		 	1		
Pit 3				Pit 3	······ ··· ··· ··· ··· ··· ··· ·· · · ·		1		
DATE:	·	Pit 1 @ 10'	Pit 2 @	Pit 3 @	Date:	 	Pit 1 @	Pit 2 @	Pit 3 @
	Center	ND				Center	1		
P	NW Corner	ND			P	NW Corner			1
4	NE Corner	ND			1	NE Corner			
D	SW Corner	ND			1 b	SW Corner			
	SE Corner	ND	<u> </u>		1	SE Corner			
NOTE	PIT SHOWS	NO VISIABLE	STAINING	OVERGROWN	WITH SA	AGEBRUSH.	=		
	11/19/99 TO	OK ONE CORE	SAMPLE 4	BELOW PIT B	эттом с	ENTER, PID	READINGS N	D.	·
	NO VISIABLE	STAINING O	R ODOR.						
	11/19/99 TO	OK 4 POINT C	OMPOSITE	CORE SAMPLE	4' BELO	W PIT BOTTO	M CORNER	S.	
	PID READING	GS ND. WITH	NO VISIABL	E STAINING OF	RODOR.				
	-								
				······································					
	· · · · · · · · · · · · · · · · · · ·								
			-						
						· · · · · · · · · · · · · · · · · · ·			
	DATE	11/19/99		SOIL SAMPI	LING		<u> </u>		
		Pit 1 @ 10'	Pit 2 @	Pit 3 @	ANALYS	IS RESULTS		PER LAB	Assaigai
	Center	ND			PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner	ND			NO	SIDE\BTM	SIDE\BTM		
- 1	NE Corner	ND			1	ND/ND	MO/ND	J.C.	11/19/99
D	SW Corner	ND			2				
	SE Corner	ND			3				
			·	RE-SAMPLE	<u> </u>			. · · · · · · · · · · · · · · · · · · ·	<u> </u>
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANALYS	IS RESULTS		PER LAB	
	Center				PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner				NO	SIDE\BTM	SIDE\BTM		
	NE Corner				1				
D	SW Corner				2		1		
	SE Corner				3				
	· · · · · · · · · · · · · · · · · · ·		·	RE-SAMPLE			·		
DATE:	···	Pit 1 @	Pit 2 @	Pit 3 @	ANALYS	IS RESULTS	<u> </u>	PER LAB	
	Center	1	l	<u> </u>	PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner	1			NO	SIDE\BTM	SIDE\BTM		
	NE Corner	-	 		1				
D	SW Corner				2		 	1	
	SE Corner				3			<u> </u>	
	*		<u> </u>		<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) \$\phi 62-2558 \frac{1}{2} \text{vnlandion of } \text{vnlandion of } \frac{1}{2} \text{vnlandion of } \text{vnlandion of } \text{vnlandion of } \text{vnlandion of } \text{vnland

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

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: 9911223 JIC. PIT REMEDIATION

William P. Biava: President of Assaigal Malytical Laboratories, Inc.

Client Sample ID	JAT358#6 P	IT SIDES		Sample SO Matrix	IL			mple llected	11/19/99 08:15:00
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911223-01	IA	SW846 5030A	./8021B Purgeable VOCs by GC	:/PID					
X99383	XG.1999.993-14	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999,993-14	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999,993-14	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-14		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-14	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99
9911223-01	IA	SW846 ME/80	15A Diesel Range Organics by	GC/FID					
X99385	XG.1999.1002-12		Diesel Range Organics	ND	mg / Kg	1	25		11/30/99

Client Sample ID	JAT358#6 P	IT CENTER		Sample SO Matrix	IL			mple llected	11/19/9: 08:30:00
				D14	11	Dilution	Detection	0-4-	Run
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Factor	Limit	Code	Date
9911223-02	2 A	SW846 5030A/8	3021B Purgeable VOCs by	GC/PID					
X99383	XG.1999.993-17	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-17	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-17	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-17		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-17	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 3:28:44 PM



Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client:

APACHE CORPORATION

Project: 9911223 JIC. PIT REMEDIATION

9911223-02A SW846 ME/8015A Diesel Range Organics by GC/FID X99385 XG.1999.1002-13 Diesel Range Organics ND mg / Kg 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.

ABORATORIES, IN ANAIMICAL DIS ASSAIGAI APA GI

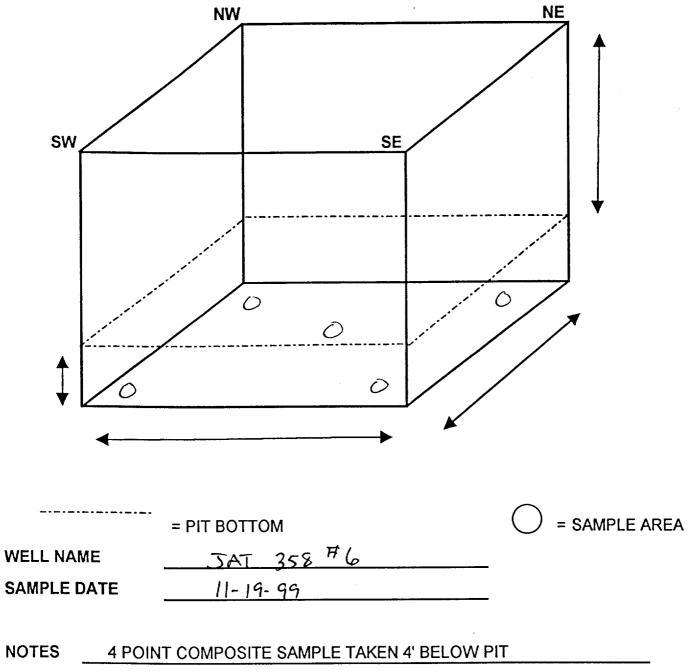
Chain of Custody Record

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

ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964

127 EASTGATE DRIVE

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ES	4 POINT COMPOSITE SAMPLE TAKEN 4' BELOW PIT
	BOTTOM CORNERS.
	BOTTOW CORNERS.
	1 POINT GRAB SAMPLE TAKEN 4' BELOW PIT BOTTOM CENTER