State of New Mexico Energy, Minerals and Natural Resources Department

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

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

PIT REMEDIATION AND CLOSURE REPORT

							15	300 274	
Operator:	Apache Corporation			Telephon	505-325-	0318			
Address:	2855 Southside Rive	er Road, Suite	e A, Farminç	gton, NM 87	401				
Facility or We	ell Name: JAT 358	#3							
Location:	Unit or Qtr/Qtr Sec	SW/NW	Sec 6	T 22N	R 2W	County	SANDOVA	\L	
Pit Type:	Separator:	Dehydrator		Other	BLOW P	IT		-	
Land Type:	JIC. TRIBAL								
Pit Location:	Beginning Pit Dimen		Length Length	50' 50'	_Width Width	35' 35'	Depth	<u>5'</u> 5'	
(Attach diagra	am) Reference:	Wellhead	xxx	Other					·
	Footage from re	eference:	150'		_				
	Direction from r	reference:	260	Degrees		East	North		
					<u>x</u>	of West	South		
Depth To Gr (vertical distance contaminants to high water eleva groundwater)	e from seasonal			Less than 50 feet to Greater th		et	(20 points (10 points) (0 points))	
	an Ephemeral Streat int dry wash greater th dth			Less than Greater th	100 feet nan 100 fe	et	(10 points)		
(Downgradie	Nearest Lake, Playa ent lakes, playas and wildlife watering ponds		յ Pond:	Less than Greater th	i 100 feet nan 100 fe	et	(10 points (0 points)	·	•
(Less than 20 domestic wa	rotection Area: 00 feet from a private ter source, or less tha om all other water sour				Yes No		(20 points (0 points)	·	
(Horizontal d	Surface Water:				o 1000 fee		(20 points)	-
	s, rivers, streams, cree nals and ditches)	ks,			han 1000 f		(0 points)	_	-
				RANKING	SCORE 6	(TOTAL PO	INTS)	0	-

Date Remedia	ation Start	ed: <u>11</u>	/18/1999		_Date Com	pleted:	09/20/2000	····	
Remediation (Check all app		Ex	cavation		_Approx. cu	ıbic yards	S		
sections)	. spriate	Land	farmed		_Insitu Bior	emediatio	on		
		Ot	her	Core sampl			center, compo	osite core	sample
Remediation (i.e. landfarme name and loca offsite facility)	d onsite,	Or	nsite	XX	_Offsite				
General Desc	ription of	Remedial Act	ion:	NONE REC	QUIRED, CO	AIMATAG	IATION CLOS	JRE LIMI	T
;	9/20/00 B	ACKFILLED A	ND RESE	EDED					
Groundwater	Encounte	red: No)	xxx	_Yes		Depth		
Final Pit: Closure Sam (in multiple sa attach sample	mples, results	Sample locati		of pit corne	r		n center, 4 poir	its compo	site sample
and diagram of locations and	depths) Sample Da		1	11/18/1999		Sample		4:00PM	, 4:30PM
	Sample re	sults			corner/cent	er			
	Soil:	Benzene		(ppm)	ND/ND	_Water:	Benzene	(ppb)	NA
		Total BTEX		(ppm)	ND/0.006	_	Toluene	(ppb)	NA
		Field Headsp	ace	(ppm)	ND/78		Ethylbenzene	(ppb)	NA
		TPH		(ppm)	180/ND	_ 1	Fotal Xylenes	(ppb)	NA
Groundwater	Sample:	Υe	es		_No	xxx	(If yes atta	ch sample	e results)
I HEREBY CE KNOWLEDG			RMATION	N ABOVE IS	TRUE ANI	O COMPI	LETE TO THE	BEST OF	MY
DATE	11-0	22-00		PRINTED I	NAME		Jeff Cross		
SIGNATURE	Je	f lus	7	AND TITLE	=		Project Ma	ınager	

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

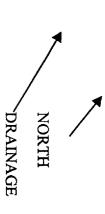
Operator:	APAC	CHE CORPORA	TION		Telephone	505-32	5-0318		
Address:	2855	SOUTH SIDE F	RIVER ROAD) FARMIN	IGTON N.	M. 87401			
Facility or We	ell Nar	me:	JAT 358#	3					
Location:	Unit o	or Qtr/Qtr Sec	SWNW	SEC 6	T 22N	R 2W	County	SANDOVAL	
Pit Type:	Sepa	rator:	_Dehydrato	r	_Other	BLOW PIT	<u>.</u>		í
Land Type:		JIC. TRIB	AL						
Pit Location: (Attach diagra	am)	Pit Dimensions:	-	50' XXX	Width Other	35'	Depth	5'	
		Footage from re		150' 260°	_Degrees		_East of	North _	
						X	West	South _	
Depth To Gro (vertical distance f contaminants to se high water elevation groundwater)	from seasona				Less than 50 feet to Greater th			(20 points) (10 points) (0 points)	1
	nt dry	hemeral Stream wash greater the			Less than Greater th	100 feet an 100 feet		(10 points) _	
(Downgradien	nt lake	est Lake, Playa, es, playas and watering ponds		-	Less than Greater th	100 feet an 100 feet		(10 points) (0 points)	0
domestic wate	00 fee er sou	ion Area: t from a private urce, or less than other water sour				Yes No		(20 points) (0 points)	_
• •	istanc river	e to perennial s, streams, cree	ks,			100 feet o 1000 feet an 1000 fee		(20 points) (10 points) (0 points)	0
ingation can	uis al	id ditolies)	·		RANKING	SCORE (T	OTAL POI	NTS) .	0

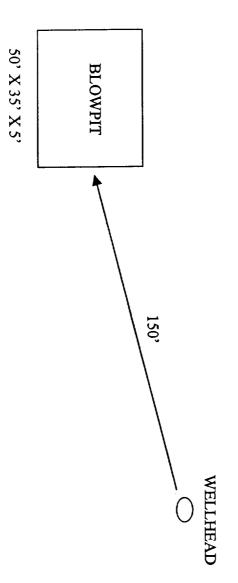
Date Remedia	ation Start	ted: <u>11/18</u>	/99	_Date Comple	eted: <u>9-3</u>	20-60
Remediation		Excavation	n	_Approx. cub	ic yards	
(Check all app sections)	ropriate	Landfarm	red	_Insitu Bioren	nediation	
Remediation	Location:	Other		oit bottom com		nposite core sample
(i.e. landfarme name and loca offsite facility)	ed onsite, ation of	<u>-</u>	, , , , , , , , , , , , , , , , , , ,			
General Desc	ription of	Remedial Action:	. NONE	Required	P. + TO Be BACK	-Filledows
_	Rese	eded - couter	inution B	selow cla	sure Limits.	- 9-20-00 Backf.11
Groundwater	Facount	ord AND Res	SSED. No XXX	Yes	Dept	∤h
Giouiiuwatei	Encounte	ileu.	Nu	_ 103_		
Final Pit: Closure Sam (in multiple sa	imples,	Sample location		ple 4' below pi om corners.	it bottom center,4po	int composite sample
_	of sample	Sample depth	CORE S/	AMPLE 4' BEL	OW PIT BOTTOM.	
	Sample Da		11/18/9	9	Sample Time;	4:00pm,4:30pm
	Sample re	sults	100	rners/center		
	Soil:	Benzene	(ppm)	ND/ND I	Water: Benzene	(ppb) NA
		Total BTEX	(ppm)	ND/0.006	Toluene	(ppb) NA
		Field Headspace	(ppm)	ND/78	Ethylbenzene	e (ppb) <u>NA</u>
		TPH	(ppm)	180/NO	Total Xylenes	s (ppb) <u>NA</u>
Groundwater	r Sample:	,	Yes	No_	XXX (If yes at	tach sample results)
I HEREBY CE			ATION ABOVI	E IS TRUE AN	ND COMPLETE TO	THE BEST OF MY
DATE		_	PRINTE[O NAME _	JEFF C	ROSS
SIGNATURE	_Ju	-2000 gi.	AND TIT	LE _	PROJEC	CT MANAGER
		HE PIT CLOSURE II HE TRIBE PIT CLO			URE IS APPROVE	O IN ACCORDANCE TO
APPROVED:	YES	;	NO	(REASON)		
	١)	<i>A</i> .)	\mathcal{A}			
SIGNED:	<u>L</u>	=CMan		DATE: _	11-9-0	0

Pit Impact Rating Sheet

Well Location: SW/NW SEC 6 T 22 N R 2 W Number of Pits at Location: Pit Number and Usage: Estimated Elevation: SW/NW SEC 6 T 22 N R 2 W Number of Pits at Location: 1 Pit Number and Usage: Estimated Groundwater Elevation: Vulnerable Area: YES NO XX Water: Water: Woll: Woll: Usual Soil Contamination: Highly Contamination/Satureated Soils: Unsatureated Contamination (Odor or PID Reading): ND Suspected Groundwater Contamination: Reason for Suspicion:	
RATING:	
Depth to Groundwater:	20 0 0
Distance to Surface Water: 200' horizontal feet 200' - 1000' horizontal feet 1000' horizontal feet Rating Distance to Ephermeral stream > 10 feet wides of the wides	10 0 0
FINAL SOIL REMEDIATION STANDARDS: Total Rating	0
TPH: 5000 ppm Benzene: 10 ppm BTEX: 50 ppm KNOWN ANALYSIS:	
Soil: TPH: /80 ppm Benzene: NA ppm BTEX: 0.006 TPH: NA ppm Benzene: NA ppm BTEX: NA	ppm ppm
PROBABLE SOIL REMEDIATION TECHNIQUE: Bioremediation: On-Site	-
Composting:	-
Disposal: Facility Name Thermal Desorption: Soil Venting: Other:	- - -

JAT 358 # 3 SW/NW (E) SEC 6 T22N R2W SANDOVAL, COUNTY N.M.







APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JAT 358 # 3

LOCATION

PIT C	OUNT	1	_						
									
	START	<u> </u>			FINISH			1	
DIMEN						· ·		1	
	L	W	D			L	W	D	CU YDS
Pit 1	50'	35'	5'	Pit 1					
Pit 2				Pit 2					
Pit 3				Pit 3					
DATE:	11/18/99	Pit 1 @ 9'	Pit 2 @	Pit 3 @	Date:		Pit 1 @	Pit 2 @	Pit 3 @
	Center	78				Center			
P	NW Corner	ND			P	NW Corner			
- 1	NE Corner	ND] ;	NE Corner			
D	SW Corner	ND			T D	SW Corner			
	SE Corner	ND			7	SE Corner			
NOTE	PIT SHOWS	SOME VISIA	BLE STAINII	NG , OVERGRO	WN WITH	I SAGEBRUS	Н.		
	11/18/99 TO	OK ONE COR	E SAMPLE 4	BELOW PIT B	оттом с	ENTER, PID I	READINGS 78F	PPM.	
	SOME VISIA	BLE STAINING	G AND ODO	R. CONFINED	TO APPO	X. A 12' X 24'	AREA IN PIT B	OTTOM CENT	ER.
	11/18/99 TO	OK 4 POINT C	OMPOSITE	CORE SAMPLE	4' BELO	W PIT BOTTO	OM CORNERS		
				VITH NO VISIAB		· · · · · · · · · · · · · · · · · · ·			
	J					**			
		·····							
 -	HIT SANDST	ONE (BEDRO	OCK AT 3.5'	TO 4' BELOW P	IT BOTT	OM)		·	
<u> </u>									
-	· · · · · · · · · · · · · · · · · · ·		··· -····						
				·	***				
	DATE	11/18/99		SOIL SAMP	ING				
	D/(12	Pit 1 @ 9"	Pit 2 @	Pit 3 @		SIS RESULTS	·	PER LAB	Assaigai
	Center	78	11120	11.00	PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner	ND			NO	SIDE\BTM	SIDE\BTM	WITHEOU	DATE
	NE Corner	 	+		1		· · · · · · · · · · · · · · · · · · ·	J.C.	11/18/99
D	3	ND ND	-			180/ND	NO 10.006	J.C.	11/10/99
υ	SW Corner SE Corner	ND ND			3		-		
	SE Comer	IND	<u> </u>	RE-SAMPLE		<u> </u>		<u> </u>	<u> </u>
DATE:		Pit 1 @	Pit 2 @	Pit 3 @		SIS RESULTS	-	PER LAB	
DATE.	Center	rici (@	FILZ (W	FIL 3 W	PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner		 	_	NO	SIDE\BTM	SIDE\BTM	MILINESS	DATE
		-			+	SIDERRIM	SIDERLIN		
	NE Corner	 	-		1	 			
D	SW Corner		 		2	1	 		
	SE Corner		<u> </u>		3	1		<u> </u>	<u> </u>
		Dit 4 C	In: 0.0	RE-SAMPLE		NO DECL!! ***		DED 1.45	
DATE:	× -	Pit 1 @	Pit 2 @	Pit 3 @		SIS RESULTS		PER LAB	r
	Center		ļ		PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner	ļ			NO	SIDE\BTM	SIDE\BTM		
1	NE Corner				1			·	
D	SW Corner	<u> </u>			2	ļ			
	SE Corner				3	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) 462-2558

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

02 20	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: 9911222 JIC. PIT REMEDIATION

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

Client Sample ID	JAT358#3 P	IT SIDES		Sample SO Matrix	IL			imple illected	11/18/9 16:00:0
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911222-01	A	SW846 5030	A/8021B Purgeable VOCs by GC	:/PID					
X99355	XG.1999.993-4	71-43-2	Benzene	ND	mg / Kg		0.005		1
X99355	XG.1999.993-4	100-41-4	Ethylbenzene	ND	<u> </u>		0.005	1	11/23/99
X99355	XG.1999.993-4	95-47-6	o-Xylene	ND ND	mg / Kg	11	0.005	1	11/23/99
X99355	XG.1999.993-4				mg / Kg	11	0.005	1	11/23/99
K99355	XG.1999.993-4	100 00 0	p/m-Xylenes	ND ND	mg / Kg	1	0.01	1	11/23/99
	7.0.1000.000-4	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/23/99
9911222-01	•	SW846 ME/8	015A Diesel Range Organics by	GC/FID	-				
(99385	XG.1999.1002-10		Diesel Range Organics	180	mg / Kg	1	25		11/30/99

Client Sample ID	JAT358#3 P	IT CENTER	?	Sample SOI Matrix	'L			mple llected	11/18/99 16:30:00
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911222-02	•	SW846 5030A/	8021B Purgeable VOCs by (SC/PID					
X99355	XG.1999.993-5	71-43-2	Benzene	ND	mg / Kg	1	0.005	4	44100100
X99355	XG.1999.993-5	100-41-4	Ethylbenzene	ND	mg / Kg			-	11/23/99
(99355	XG.1999.993-5	95-47-6	o-Xylene		·	1	0.005	1	11/23/99
(99355	XG.1999.993-5			ND	mg / Kg	1	0.005	1	11/23/99
(99355			p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/23/99
(99300	XG.1999.993-5	108-88-3	Toluene	0.006	mg / Kg	1	0.005	1	11/23/99

Page 1 of 2

Client Reports

2.0

Report Date

12/2/99 3:31:01 PM



Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client:

APACHE CORPORATION

Project: 9911222 JIC. PIT REMEDIATION

9911222-02/	4	SW846 ME/8015A Diesel Range Organics by G	C/FID				
X99385	XG.1999.1002-11	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.

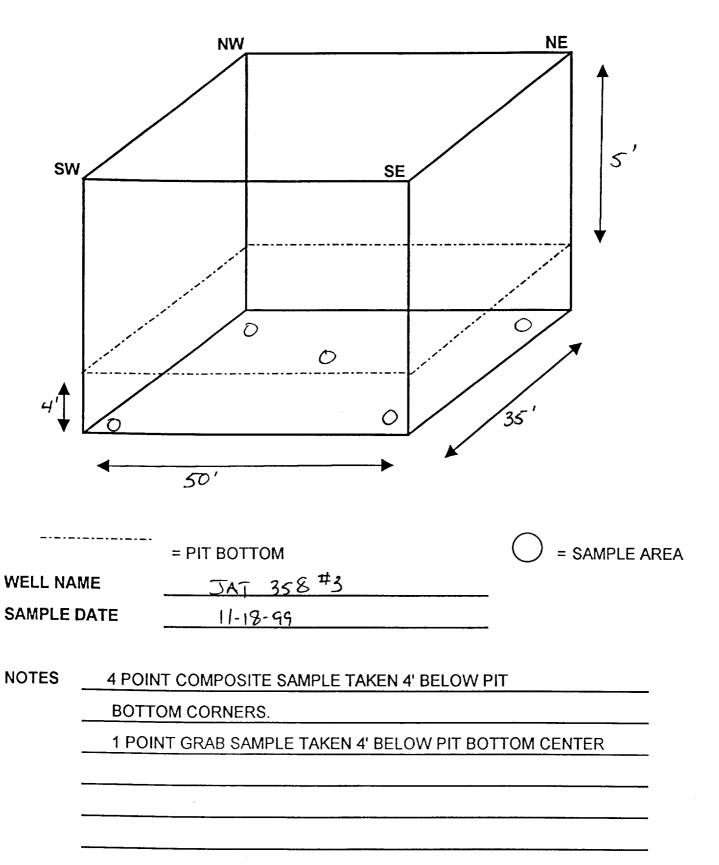
Page 2 of 2

ASSAIGAI APA OI Chain of Custody Record ANAINTICAL 11/23/99
TABORATORIES, INC.

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

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

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		1.3845.34 T														Õ	1	Stored over 30 days	4				1		
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