State of New Mexico Energy, Minerals and Natural Resources Department

Submit 1 copy to Natural Resource Dept. and Oil & Gas Administration OK notesupk Headspace

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

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Apache Corporation		Telephon	505-325-	-0318		er e		
Address:	2855 Southside Rive	er Road, Suite	e A, Farminç	gton, NM 87	<u>'401</u>		<u></u>	*. • <u> </u>	
Facility or We	ell Name: JAT 358	; #9							
Location:	Unit or Qtr/Qtr Sec	NE/SW	Sec 8	T 22N	R 2W	County	SANDOV	'AL	
Pit Type:	Separator:	Dehydrator	г	Other	BLOW PI	IT			
Land Type:	JIC. TRIBAL								
Pit Location: (Attach diagra	Beginning Pit Dimen Ending Pit Dimens am)		Length Length	50' 50'	_Width _Width	50' 50'	Depth Depth	5' 5'	
	Reference:	Wellhead	XXX	Other				-	
	Footage from re		175' 280	Degrees		East of	North		
					X	West	South		
Depth To Gro (vertical distance contaminants to s high water elevati groundwater)	e from seasonal			Less than 50 feet to Greater th		ət	(20 points (10 points (0 points)	s)	
	an Ephemeral Strean nt dry wash greater th dth			Less than 100 feet Greater than 100 feet			(10 points (0 points)		
(Downgradien	Nearest Lake, Playa, nt lakes, playas and vildlife watering ponds		Pond:	Less than 100 feet Greater than 100 feet			(10 points)		
(Less than 20 domestic wate	Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)			Yes No			(20 points (0 points)	·	
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)				Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet			(20 points (10 points)	5)	
				RANKING	SCORE (TOTAL POII	NTS)		

Date Remediation St	arted:	11/19/1999		Date Con	npleted:	09/19/2000	·		
Remediation Method		Excavation		Approx. c	cubic yard	ls			
(Check all appropriate sections)		Landfarmed		Insitu Bioremediation					
		Other				n center, comp	osite core s	ample	
Remediation Location (i.e. landfarmed onsite name and location of offsite facility)		Onsite	XX X	it bottom co Offsite	rners	·			
General Description	of Remedia	l Action:	NONE RE	QUIRED, N	O CONT	AMINATION DE	TECTED		
9/19/00	BACKFILLE	ED AND RESE	EDED						
Groundwater Encou	ntered:	No	xxx	Yes		Depth		_	
Final Pit: Closure Sampling: (in multiple samples,	ocation	Core samp		pit bottor	n center, 4 poir	its composi	te sample		
attach sample results and diagram of sampl	e Sample o	lepth	CORE SAMPLE 4' BELOW PIT BOTTOM.						
locations and depths) Sample Sample			11/19/199	9 corner/cen	_Sample	Ti <u>me</u>	11:50PM,	12:10PM_	
Soil:	Benzene		(ppm)	ND/ND	_Water:	Benzene	(ppb)	NA	
	Total BTI	ΞX	(ppm)	ND/ND		Toluene	(ppb)	NA	
	Field Hea	adspace	(ppm)	ND/ND	_	Ethylbenzene	(ppb)	NA	
	TPH		(ppm)	ND/ND	_	Total Xylenes	(ppb)	NA	
Groundwater Sample	e :	Yes		No	xxx	(If yes attac	ch sample r	esults)	
I HEREBY CERTIFY KNOWLEDGE AND E		NFORMATION	N ABOVE I	S TRUE AN	D COMP	LETE TO THE	BEST OF N	MY	
DATE <u>//</u> -	21-0	ひ	PRINTED	NAME		Jeff Cross			
SIGNATURE	21-0 eff Cu	227	_AND TITL	E		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

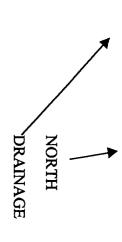
Operator:	APACHE CORPORATION	Telephone 505-325-0318				
Address:	2855 SOUTH SIDE RIVER ROAD FARMIN	IGTON N.M. 87401				
Facility or We	ell Name:JAT_358#9					
Location:	Unit or Qtr/Qtr Sec NE/SW SEC 8	T 22N R 2W County	SANDOVAL			
Pit Type:	Separator:Dehydrator	Other BLOW PIT	<u>.</u>			
Land Type:	JIC. TRIBAL					
Pit Location: (Attach diagra	Pit Dimensions: Length 50' am) Reference: Wellhead XXX	Width 50' Depth Other	5'			
	Footage from reference: $\frac{175'}{280^{\circ}}$	 _DegreesEast of	North			
		XWest	South			
Depth To Gre		Less than 50 feet 50 feet to 99 feet	(20 points)			
contaminants to s high water elevation groundwater)	easonal	Greater than 100 feet (0 points)				
	an Ephemeral Stream:	Less than 100 feet (10 points)				
(Downgradier ten feet in wic	nt dry wash greater than dth	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			
(Less than 20 domestic wate	otection Area: 0 feet from a private er source, or less than n all other water sources)	a private No (0 points) or less than				
	Surface Water:	Less than 100 feet	(20 points)			
	stance to perennial rivers, streams, creeks,	100 feet to 1000 feet Greater than 1000 feet	(10 points) 0			
	als and ditches)	RANKING SCORE (TOTAL POIN				

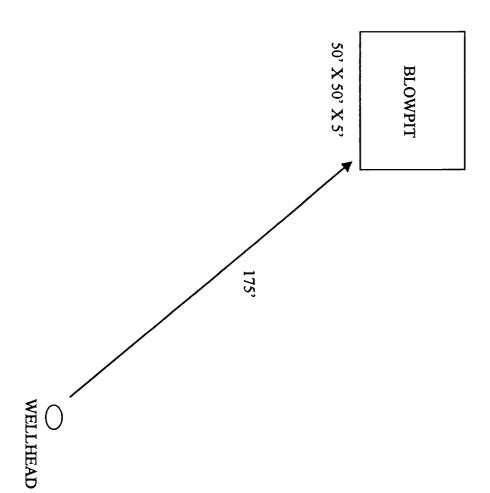
Date Remedi	iation Star	ted: <u>11/</u>	19/99	Date Comp	oleted:	9-1	19-00	
Remediation		Excava	tion	Approx. cu	bic yards			
(Check all ap sections)	propriate	Landfar	med	Insitu Biore	emediation	L <u></u>		
Remediation		Other: C		nple 4' below pit bottom cor Offsite		center,com	posite cor	e sample
(i.e. landfarm name and loc offsite facility	ation of				· · · · · · · · · · · · · · · · · · ·			:
General Des	cription of	Remedial Action	n:. <u>9-19</u>	-00 BA	ekf.11	oit an:	Resi	es.
	NOVE	- Required Confanioution	Pit to Be B.	Ack Filled	lans	Reseed	ed:	
Groundwate	<i>No</i> (r Encount	Contanivutio ered:	No xxx	Yes		_ Depth	n	
Final Pit: Closure Sam (in multiple sa	amples,	Sample location	ample location core sample 4' below pit bottom center,4point composite sample for pit bottom corners.					
attach sample and diagram locations and	of sample	Sample depth	CORE SA	AMPLE 4' BE	LOW PIT	воттом.		
	Sample Dample re		11/19/9	9	Sample T	i <u>me; 11</u>	:50Am,12:	10Pm
	Sample re	suits	COI	mers/center				
	Soil:	Benzene	(ppm)	ND/ND	Water:	Benzene	(ppb)	NA
		Total BTEX	(ppm)	NO/NO		Toluene	(ppb)	NA
		Field Headspace	(ppm)	ND/ND	Eth	nylbenzene	(ppb)	NA
		ТРН	(ppm)	ND/ND	To	tal Xylenes	(ppb)	NA
Groundwate	r Sample:		Yes	_ No	XXX	_(If yes atta	ach sample	e results)
I HEREBY CE KNOWLEDG		IAT THE INFORM LIEF.	IATION ABOVI	E IS TRUE A	ND COMP	LETE TO	THE BEST	OF MY
DATE	9-19	-2000	PRINTED	NAME .		JEFF CR	oss	
SIGNATURE	-	ff lwn	AND TIT	LE .		PROJECT	MANAG	ER
		E PIT CLOSURE HE TRIBE PIT CL			URE IS A	PPROVED	IN ACCOI	RDANCE TO
APPROVED:	YES	X_{-}	NO	_(REASON)				
	,)	わつ -				· ·		
SIGNED:	K.E.	-C Ma	<u>unll</u>	_DATE:	11-	9-0	0	

Pit Impact Rating Sheet

Well Name: Well Location: Number of Pits at Location: Pit Number and Usage: Estimated Elevation: Vulnerable Area: YES XX Fluid in Pits: Water: Woll: Well Name: VES AT 358 # 9 NE/SW SEC 8 1 BLOW PI 7300' NO	
Visual Soil Contamination: Highly Contamination/Satureated Soils Unsatureated Contamination (Odor or Suspected Groundwater Contamination: NO Reason for Suspicion:	
RATING: Depth to Groundwater: < 50' 20 50' - 99' 10 > 100' 0 Rating 0	Wellhead Protection Area: < 1000' from water source, or <200' from a domestic source? Yes 20 No 0 Rating 0
Distance to Surface Water: < 200' horizontal feet 200' - 1000' horizontal feet > 1000' horizontal feet Rating 0	Distance to Ephermeral stream > 10 feet width < 100' horizontal feet Yes 10 > 100' horizontal feet No 0 Rating 0 Distance to Lake, Playa or Watering Pond < 100' horizontal feet Yes 10 > 100' horizontal feet No 0 Rating 0
FINAL SOIL REMEDIATION STANDARD TPH: 5000 ppm Benzene: 10 ppm BTEX: 50 ppm KNOWN ANALYSIS:	<u>S:</u> Total Rating <u>0</u>
Soil: TPH: ND ppm Benzene: Groundwater: TPH: NA ppm Benzene: PROBABLE SOIL REMEDIATION TECHNIQUE: Bioremediation: On-Site Composting: Disposal: Facility Name Thermal Desorption: Soil Venting: Other:	· · · · · · · · · · · · · · · · · · ·

JAT 358 # 9
NE/SW (K) SEC 8 T22N R2W
SANDOVAL, COUNTY N.M.





METER RUN

APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

PHEX	CAVA	ION AND	CLOSURI	E REPOR	
LOCATION		JAT 358 # 9			
PIT COL	JNT	1	_		
					le
	START				FINISH
DIMENSI	SNC				
	L	W	D		
Pit 1	50'	50'	5'	Pit	1
Pit 2				Pit	2
Pit 3				Pit	3
DATE:		Pit 1 @ 9'	Pit 2 @	Pit 3 @	Date:
C	enter	ND	T		

NOTE	PIT SHOWS NO VISIABI	E STAINING .	OVERGROWN WITH SAGEBRUSH.

11/19/99 TOOK ONE CORE SAMPLE 4' BELOW PIT BOTTOM CENTER, PID READINGS ND.

CU YDS

Pit 3 @

W

Pit 1 @

Center

NW Corner

NE Corner

SW Corner

SE Corner

₽

D

Pit 2 @

NO VISIABLE STAINING OR ODOR.

ND

ND

ND

ND

NW Corner

NE Corner

SW Corner

SE Corner

P

O

11/19/99 TOOK 4 POINT COMPOSITE CORE SAMPLE 4' BELOW PIT BOTTOM CORNERS.

PID READINGS ND. WITH NO VISIABLE STAINING OR ODOR.

·		··· - · · · · · · · · · · · · · · · · ·							
DATE	11/19/99		SOIL SAM	IPLING	<u> </u>				
	Pit 1 @916	Pit 2 @	Pit 3 @	ANALYS	ANALYSIS RESULTS			Assaigai	
Center	ND			PIT	TPH	BETEX	WITNESS	DATE	
P NW Corn	er ND			NO	SIDE\BTM	SIDE\BTM			
I NE Corne	er ND			1	NDIND	NDINO	J.C.	11/19/99	
D SW Corne	er ND			2					
SE Corne	er ND			3					
			RE-SAMPL	Ē					
DATE:	ATE: Pit 1 @ Pit 2 @		Pit 3 @	ANALYS	SIS RESULTS		PER LAB		
Center				PIT	TPH	BETEX	WITNESS	DATE	
P NW Corn	er			NO	SIDE\BTM	SIDE\BTM			
I NE Corn	er			1					
D SW Corne	er			2	<u> </u>			<u> </u>	
SE Corne	er			3					
			RE-SAMPL	E					
DATE:	Pit 1 @	Pit 2 @	Pit 3 @	ANALYS	SIS RESULTS		PER LAB		
Center				PIT	TPH	BETEX	WITNESS	DATE	
₽ NW Corn	er			NO	SIDE\BTM	SIDE\BTM			
I NE Corn	er			1					
D SW Corn	er			2					
SE Corne	er			3					



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) \$\darkop{\phi2-255}{2}\$

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

3Z-Z:	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: 9911226

JIC. PIT REMEDIATION

Client Sample ID	JAT358#9 P	IT SIDES		Sample SO	IL		Sample Collected		11/19/99 11:50:00
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911226-01	A	SW846 5030A	./8021B Purgeable VOCs by GC	:/PID					
X99383	XG.1999.993-13	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-13	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-13	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-13		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-13	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99
9911226-01	A	SW846 ME/80	115A Diesel Range Organics by	GC/FID					
X99388	XG.1999.1002-23		Diesel Range Organics	ND	mg / Kg	1	25		11/30/99

Client Sample ID	JAT358#9 P	IT CENTER	2	Sample SO	IL			mple liected	11/19/99 12:10:00
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit		Run Date
9911226-0	2A	SW846 5030A/8	3021B Purgeable VOCs by	GC/PID					
X99383	XG.1999.993-12	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-12	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-12	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-12		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-12	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 3:35:15 PM



Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client:

APACHE CORPORATION

Project: 9911226 JIC. PIT REMEDIATION

9911226-02A		SW846 ME							
X99388	XG.1999.1002-24		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



Chain of Custody Record

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

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

127 EASTGATE DRIVE, 212 CT.
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

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