State of New Mexico Energy, Minerals and Natural Resources Department

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

OK Note Sanylle Headspace

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

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Apache Corporation			_Telephon	505-325-	0318		1 4 4 <u>1</u>	
Address:	2855 Southside Rive	r Road, Suite	A, Farming	ton, NM 87	401	·.		<u>.</u>	
Facility or We	ell Name: <u>JAT 360</u>	#2						The second second	/ -
Location:	Unit or Qtr/Qtr Sec	NE/SE	Sec 1	T 22N	R 3W	County	SANDOV	AL	_
Pit Type:	Separator:	_ Dehydrator		_Other	BLOW P	<u>IT</u>		_	
Land Type:	JIC. TRIBAL								
Pit Location:	Beginning Pit Dimens		Length Length	50' 50'	_Width _Width	35' 35'	Depth Depth	6' 6'	- -
(Attach diagra	am) Reference:	Wellhead	XXX	_Other				_	
	Footage from re	eference:	150'		_				
	Direction from r	eference:	160	_ Degrees		East of	North		_
						West	South	X	_
Depth To Gr (vertical distance contaminants to high water eleval groundwater)	e from seasonal			Less than 50 feet to Greater th		et	(20 points (10 points (0 points	s)	-
	an Ephemeral Strear 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		յ Pond։	Less than Greater th	i 100 feet nan 100 fe	et	(10 points		<u>-</u>
(Less than 20 domestic wat	rotection Area: 00 feet from a private ter source, or less tha m all other water sour				Yes No		(20 points		<u>-</u>
(Horizontal d lakes, ponds	Surface Water: listance to perennial , rivers, streams, cree	ks,		100 feet t	n 100 feet to 1000 fee han 1000 f		(20 points (10 points (0 points	s)	- -
irrigation can	nals and ditches)			RANKING	SCORE	(TOTAL PO	INTS)	0	_

Date Remediation Starte	ed:	11/18/1999		Date Com	pleted:	09/22/2000		
Remediation Method:	1	Excavation		Approx. cu	ıbic yards			
(Check all appropriate sections)	La	ndfarmed		Insitu Bior	emediatio	n		ingi.
	,	Other				center, compo	osite core	sample
Dame diagram to the		.	4' below pit		<u>ners</u>			
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)	'	Onsite	XX	Offsite				
General Description of F	Remedial A	ction:	NONE REQ	UIRED, NO	CONTAI	MINATION DE	CTECTE)
9/22/00 BA	CKFILLED	AND RESE	EDED					
Groundwater Encounter	red:	No	XXX	Yes		Depth		_
Final Pit: Closure Sampling: (in multiple samples, attach sample results	Sample location		Core sample of pit corner		oit bottom	center, 4 poin	ts compos	site sample
and diagram of sample	Sample dep	oth	CORE SAMPLE 4' BELOW PIT BOTTOM.					
locations and depths) Sample Da			11/18/1999		Sample Time		3:15PM,	3:30PM
Sample res	ults		C	corner/cente	er			
Soil:	Benzene		(ppm)	ND/ND	_Water:	Benzene	(ppb)	NA
	Total BTEX		(ppm)	ND/ND	_	Toluene	(ppb)	NA
	Field Heads	space	(ppm)	ND/ND	- E1	thylbenzene	(ppb)	NA
	TPH		(ppm)	ND/ND	. To	otal Xylenes	(ppb)	<u>NA</u>
Groundwater Sample:	•	Yes		. No	xxx	(If yes attac	ch sample	results)
I HEREBY CERTIFY THA KNOWLEDGE AND BEL		ORMATION	ABOVE IS	TRUE AND	COMPL	ETE TO THE	BEST OF	MY
DATE <u>//-2.</u>	2-00		PRINTED N	AME		Jeff Cross		
SIGNATURE	2-00 J (uo	n	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

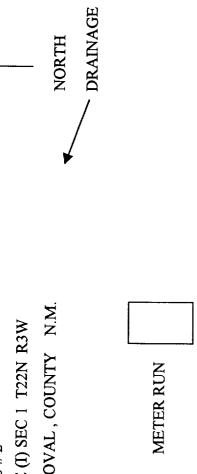
Operator:	APA	CHE CORPORA	TION		_Telephone	e505-32	25-0318		
Address:	285	SOUTH SIDE R	IVER ROA	D FARMII	NGTON N	M. 87401			
Facility or We	ell Na	ıme:	JAT 360 #	# 2					
Location:	Unit	or Qtr/Qtr Sec	NE/SE SEC 1		T 22N	R 3W	_County	SANDOVA	L
Pit Type:	Sepa	arator:	Dehydrator		_Other	BLOW PIT	Γ	· · · · · · · · · · · · · · · · · · ·	
Land Type:		JIC. TRIBA	AL						
Pit Location: (Attach diagra	am)	Pit Dimensions:	Length	50'	_ Width	35'	Depth	6'	
	•	Reference:	eference: Wellhead _		_Other				
		Footage from ref	erence:	150'		-			
		Direction from re	ference:	160°	_Degrees		_East of	North	
						·	West	South	X
Depth To Gre	ound	water:			Less than	50 feet		(20 points)	
(vertical distance t					50 feet to			(10 points)	
contaminants to s	easona	ai			Greater tha	an 100 feet		(0 points)	0
high water elevation groundwater)	on of							•	
		hemeral Stream:			Less than	(10 points)			
(Downgradien ten feet in wid		wash greater thar			Greater tha	an 100 feet		(0 points)	0
		st Lake, Playa, o	r Watering	Pond:	Less than			(10 points)	
		es, playas and watering ponds)			Greater tha	an 100 feet		(0 points)	0
Wellhead Pro						Yes		(20 points)	
(Less than 200	0 feet	t from a private				No		(0 points)	0
		irce, or less than other water source	s)						
Distance To \$					Less than			(20 points)	
(Horizontal distance to perennial akes, ponds, rivers, streams, creeks,					100 feet to	(10 points)_			
rrigation cana			•		Greater tha	(0 points)	0		
					RANKING	ITS)	0		

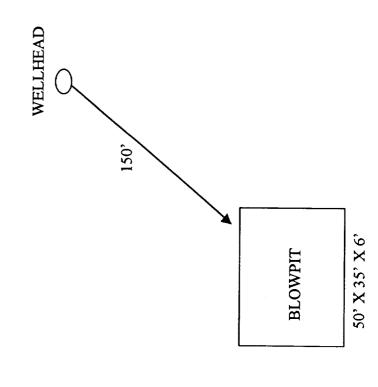
Date Remediation Star	ted: <u>11/18/</u>	99	_Date Complete	ed: <u>9-</u>	22-00	
Remediation Method:	Excavation)	_Approx. cubic	yards		
(Check all appropriate sections)	Landfarme	ed	_Insitu Bioreme	diation		
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)	Other Ons		it bottom corner	bottom center,co S.	mposite core	sample
General Description of	Remedial Action: .	4-22-0	D Back F.11	pit and R	eseevs	
None	E Regarred ONTA RIATION DE	Pit To Be	BANK Fill	ed and Re	seeded.	
No Co Groundwater Encounte	onta Riation De ered:	etecter. No xxx	Yes	Dep	th	-
Final Pit: Closure Sampling: (in multiple samples,	Sample location		ele 4' below pit bom comers.	ottom center,4pc	oint composite	e sample
attach sample results and diagram of sample	Sample depth	CORE SA	MPLE 4' BELO	N PIT BOTTOM.		
locations and depths) Sample Da		11/18/99	Sar	nple Ti <u>me;</u>	3:15Pm,3:30I	⊃m
Sample re	sults	com	ners/center			
Soil:	Benzene	(ppm)	ND/ND Wa	ter: Benzene	(ppb)	NA
	Total BTEX	(ppm)	ND/ND	Toluene	(ppb)	NA
	Field Headspace	(ppm)	ND/ND	Ethylbenzene	e (ppb)	NA NA
	TPH	(ppm)	ND/ND	Total Xylenes	s (ppb)	NA NA
Groundwater Sample:	Ye	es	No	XXX (If yes at	tach sample i	esults)
I HEREBY CERTIFY TH KNOWLEDGE AND BEL		ION ABOVE	IS TRUE AND	COMPLETE TO	THE BEST (OF MY
DATE _ 9-22	-2000 H	PRINTED	NAME	JEFF CI	ROSS	
DATE 9-22 SIGNATURE	floor	AND TITL	Ē	PROJEC	T MANAGER	2
AFTER REVIEW OF TH THE JICARILLA APACH	E PIT CLOSURE INI IE TRIBE PIT CLOS	FORMATION URE ORDINA	, PIT CLOSURI ANCE.	E IS APPROVED	IN ACCORE	ANCE TO
APPROVED: YES	<u> </u>	ο	(REASON)	·		
SIGNED:	C Ma		DATE:	11-9-0	0	

Pit Impact Rating Sheet

Well Name:		JAT 36		00 N D (· · · · ·	_	
Well Location: Number of Pits a	t Location:	NE/SE	SEC 1 T	22 N R 3	3 W		_	
Pit Number and			BLOW PI	Ŧ				
Estimated Elevat		7300'		_	_			
Estimated Groun Vulnerable Area:		ion:	NO VV		_			
Fluid in Pits:	YES	-	NO XX	_				
% Wa		0	110 757					
% (V) % Oil		0	•					
Visual Soil Conta	mination:		•					
	y Contamination							
Unsate Suspected Groun	tureated Conta				- <i>.</i>	ND	-	
	on for Suspicio		. NO	XX	_ YES .		-	
	J						_	
							-	
RATING:								
Depth to Ground	water:			Mollhood	Protection A	roo		
< 50'	water.	20		vveiilleau	< 1000' from		urce or	
50' - 9		10			<200' from		•	
> 100		0					Yes	20
Rat	ing	0					No	0
							Rating	U
Distance to Surfa	ice Water:			Distance t	o Ephermera	al stream >	10 feet wid	ith
	' horizontal fee		20		< 100' horiz		Yes	10
	1000' horizon		10		> 100' horiz	contal feet	No	0
> 100	0' horizontal fe	Rating	0 	_			Rating	0
		rtuing	•	Distance t	o Lake, Play	a or Water	ing Pond	
					< 100' horiz	ontal feet	Yes	10
					> 100' horiz	contal feet	No	0
							Rating	0
FINAL SOIL R	EMEDIATIO	ON STA	NDARDS	<u>3:</u>		Tota	l Rating	0
TPH: 5000) ppm							-
Benzene: 10	ppm							
BTEX: 50	ppm							
KNOWN ANALY	SIS:							
Soil:	TPH: ND	ppm	Benzene:	ND	ppm	BTEX:	ND	ppm
Groundwater:	TPH: NA	• • •	Benzene:	NA NA	ppm	BTEX:		ppm
5565151515151					• •			• * *
PROBABLE SOIL Bioremediation:	_ REMEDIATION On-Site	ON TEC	HNIQUE:					_
Composting:								
Disposal:	Facility Name	e						_
Thermal Desorpti	on:							•
Soil Venting: Other:								
<u></u>								
							<u> </u>	

SANDOVAL, COUNTY N.M. NE/SE (I) SEC 1 T22N R3W JAT 360 # 2





APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

P

٥

NW Corner

NE Corner

SW Corner

SE Corner

LOCA	TION	JAT 360 # 2							
PIT CO	TNUC	1	•						
	START				FINISH			1	
DIMENS	SIONS								
	L	W	D			L	W	D	CU YDS
Pit 1	50'	35'	6'	Pit 1					
Pit 2				Pit 2					
Pit 3	·			Pit 3	-	****			
DATE:		Pit 1 @ 10'	Pit 2 @	Pit 3 @	Date:		Pit 1 @	Pit 2 @	Pit 3 @
	Center	ND	1			Center			
P	NW Corner	ND			P	NW Corner		1	
	NE Corner	ND			1	NE Corner			
b	SW Corner	ND	<u> </u>	1	Ď	SW Corner			
	SE Corner	ND		 	Ψ	SE Corner		 	
NOTE			CTAINING (I OVERGROWN	MITH C	·	<u> </u>	<u> </u>	l
NOTE	FIT SHOWS	NO VISIABLE	STAIMING, C	JVERGROVIN	VVIIII OF	AGEBIAGGII.			
	14/19/00 TO	OK ONE COL	DE CANADIE A	1' BELOW PIT	DOTTON	CENTED D	D BEADIND N	ID.	
				BELOW PIT	BOTTOM	CENTER, P	D READIND I	ID.	
		STAINING O			41.051.01	AV DIT DOTTO	M CODVED		
				ORE SAMPLE	_	W PIT BOTTC	M CORNERS	»	
	PID READING	3S ND. WITH	NO VISIABLE	STAINING OR	ODOR.				
<u></u>									
						_			
	-								
	DATE	11/18/99		SOIL SAMPL	ING				
	· · · · · ·	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		
	NE Corner	ND			1	ND/ND	NOIND	J.C.	11/18/99
Ď	SW Corner	ND	<u> </u>		2	1013/100	100/100	0.0.	1 11 10/00
	SE Corner	ND ND	 	 	3	 	 		†
	SE Corner	I ND	1	RE-SAMPLE	<u> </u>	<u> </u>	J	l	<u> </u>
DATE:	·	D#4 @	D# 2 @		ANIAL VO	IS RESULTS		PER LAB	
DATE		Pit 1 @	Pit 2 @	Pit 3 @		·	DETEY		I DATE
	Center		 		PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner		 		NO	SIDE\BTM	SIDE\BTM		
1	NE Corner		<u> </u>		1	ļ	ļ		
D	SW Corner				2			ļ	
	SE Corner		<u> </u>		3 _	<u> </u>	<u> </u>	<u> </u>	<u> </u>
				RE-SAMPLE					
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANALYS	IS RESULTS		PER LAB	
	Center		1		PIT	TPH	BETEX	WITNESS	DATE

NO

1

2

3

SIDE\BTM

SIDE\BTM



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 Explanation of codes

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: APA

APACHE CORPORATION

Project: 9

9911221

JIC. PIT REMEDIATION

Client Sample ID	JAT360#2 P	IT SIDES Sample Matrix SOIL			IL		Sample Collected		11/18/99 15:15:00
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911221-01	A	SW846 5030A/8	3021B Purgeable VOCs by 0	SC/PID					
X99379	XG.1999.995-11	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-11	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-11	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-11		p/m-Xylenes	ND	mg / Kg	1	0.01	. 1	11/24/99
X99379	XG.1999.995-11	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99

9911221-01/	A	SW846	ME/8015A	
X99385	XG.1999.1002-8		D	ĺ

SW846 ME/	8015A Die	esel Range	Organics	by GC/FID
	Diese	el Range O	rganics	

Client	IAT360#2 PIT CENTER	Sample SOII	Sample	11/18/99

ND

mg / Kg

Sample ID	JA 1300#2 P	II CENIER		Matrix 30	·		Co	15:30:00	
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911221-02	2 A	SW846 5030A/	8021B Purgeable VOCs by 0	GC/PID					
X99379	XG.1999.995-12	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-12	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-12	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-12		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99379	XG.1999.995-12	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99

Page 1 of 2

Client Reports

2.0

Report Date

25

12/2/99 3:49:33 PM

11/30/99



Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client:

APACHE CORPORATION

Project: 9911221 JIC. PIT REMEDIATION

9911221-02A SW846 ME/8015A Diesel Range Organics by GC/FID

X99385 XG.1999.1002-9 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

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

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

LOS ALAMOS, NEW MEXICO 875 (505) 662-2558

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		28	25 - 03	. KOS. J	Fax	1000	M'M	20/10/2017
M. March 1982 Assessment and		Carbon on the control of the control	25 Z	Höris No. 3 5 05	TEA Tolopi	rx rcan	26.10	
			A CONTROL OF THE CONT	A CONTROLL OF THE CONTROLL OF	A CONTROL OF THE CONT	A CONTROL OF THE CONT	Samplers: (Signature) Samplers: (Signature) Samplers: (Signature) Samplers: (Signature) Samplers: (Signature) M. W. Z. S. S. W. W. W. Z. S. S. W. W. W. Z. S. S. W.	Route (CAD) 51 A Tolophone No. 505 325 037 8 miles and a second of the control of

