# State of New Mexico Energy, Minerals and Natural Resources Department

Submit 1 copy to

Natural Resource Dept. Noto Sumple
and Oil & Gas Administration Head 3 page

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

### PIT REMEDIATION AND CLOSURE REPORT

Operator:	Apache Corporation			Telephon	505-325-0	0318		10 s	
Address:	2855 Southside River	r Road, Suite	A, Farming	gton, NM 874	101		**************************************	.¢	
Facility or We							The state of the s	<u> </u>	
Location:	Unit or Qtr/Qtr Sec	NE/NW	Sec 8	T 22N	R 2W	County	SANDOV	AL	
					BLOW P	 IT			
Pit Type:	Separator:	_Dehydrator		Other	BLOWF				
Land Type:	JIC. TRIBAL								
Pit Location:	Beginning Pit Dimen		Length Length	35' 35'	_Width _Width	35' 35'	Depth Depth	6' 6'	
(Attach diagr	ram) Reference:	Wellhead	xxx	Other_				_	•
	Footage from re	eference:	120'		_				
	Direction from I	reference:	200	Degrees		—East of	North	<u></u>	-
ļ				·		West	South	X	-
Depth To G (vertical distance contaminants to high water elev groundwater)	o seasonal			Less than 50 feet to Greater t		eet	(20 point (10 point ( 0 point	ts)	-
	o an Ephemeral Strea ent dry wash greater tl vidth				n 100 feet han 100 fe		(10 poin ( 0 point		<del>-</del>
(Downgradi	Nearest Lake, Playa ent lakes, playas and wildlife watering pond		g Pond:		n 100 feet than 100 fe		(10 poin ( 0 point		<b>-</b>
(Less than domestic w	Protection Area: 200 feet from a private ater source, or less the rom all other water sou	an			Yes No		(20 poir ( 0 poin		<u>-</u>
(Horizontal	o Surface Water: distance to perennial ds, rivers, streams, cre	eks,		100 feet	n 100 fee to 1000 fe than 1000	eet	(20 poir (10 poir ( 0 poin	nts)	<del>-</del> -
irrigation ca	anals and ditches)			RANKIN	IG SCORE	E (TOTAL P	OINTS)	0	

Date Remedia	tion Starte	ed: <u>11</u>	/19/1999		Date Comp	oleted:	09/19/2000		
Remediation I		Ex	cavation		Approx. cu	bic yards			
(Check all apposections)	ropriate	Land	dfarmed		Insitu Biore	emediation	1	· · · · · ·	
		Oi	ther		ple 4' below p		center, compo	site core	sample
Remediation I (i.e. landfarme name and loca offsite facility)	d onsite,	O	nsite	XX	Offsite				
General Desc	ription of	Remedial Ac	tion:	NONE RE	QUIRED, NC	) CONTAI	MINATION DE	TECTED	
	9/19/00 B	ACKFILLED A	ND RESE	EDED					
Groundwater	Encounte	ered: N	0	xxx	Yes		Depth		_
Final Pit: Closure Sam (in multiple sa attach sample and diagram of locations and	mples, results of sample	Sample locate  Sample dept		of pit corr		LOW PIT I			
	Sample Da			11/19/199	99 corner/cent	_Sample <sup>-</sup> ter	Time	11:10PN	И, 11:30РМ
	Sample re Soil:	Benzene		(ppm)	ND/ND	_Water:	Benzene	(ppb)	NA
		Total BTEX		(ppm)	ND/ND	_	Toluene	(ppb)	NA
		Field Heads	pace	(ppm)	ND/ND	_ E	thylbenzene	(ppb)	NA
		TPH		(ppm)	ND/ND	_ т	otal Xylenes	(ppb)	NA
Groundwate	r Sample:	١	⁄es		No	xxx_	(If yes atta	ch sample	eresults)
I HEREBY CI KNOWLEDG			ORMATIC	N ABOVE	IS TRUE AN	D COMPL	ETE TO THE	BEST OF	= MY
DATE	11-2	12-00 [[Uon		_PRINTE	D NAME		Jeff Cross	<u> </u>	

.

### 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

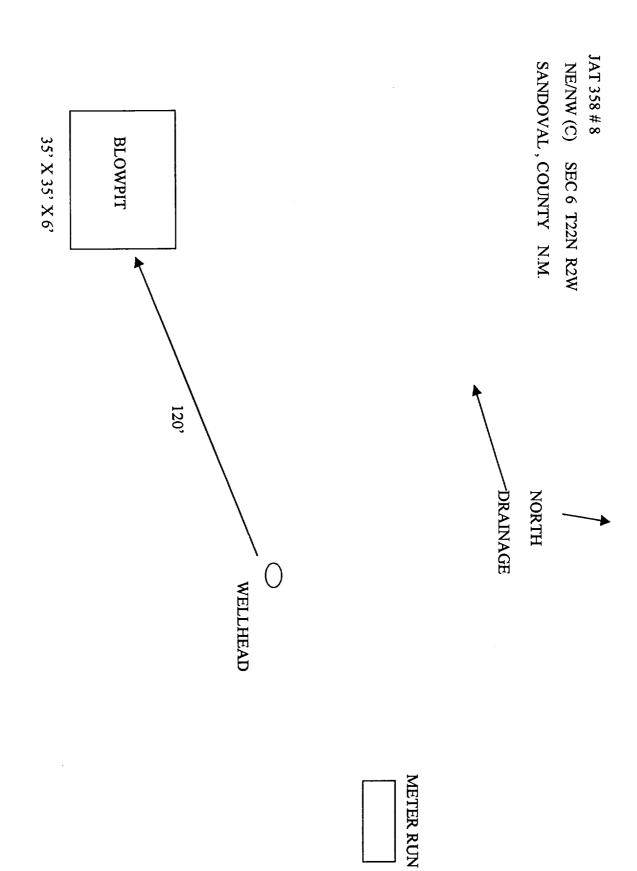
## PIT REMEDIATION AND CLOSURE REPORT

Operator:	APA	CHE CORPORAT	ION		Telephone	505-32	5-0318		
Address:	2855	SOUTH SIDE RI	VER ROAD	FARMIN	GTON N.I	M. 87401			
Facility or W	ell Na	me:	JAT 358#	8	<u>.</u>				
Location:	Unit	or Qtr/Qtr Sec	NE/NW	SEC 8	T 22N	R 2W	County	SANDOVAL	
Pit Type:	Sepa	arator:	Dehydrator	·	Other	BLOW PIT			
Land Type:		JIC. TRIBA	AL						
Pit Location: (Attach diag		Pit Dimensions:	Length		Width	35'	_ Dep	th <u>6'</u>	
		Reference:	Wellhead	XXX	_Other				
		Footage from re		200°	Degrees		_East	North _	
							_West	South _	X
Depth To G (vertical distance contaminants to high water elevations)	e from seasor				Less than 50 feet to Greater th		t	(20 points) (10 points) ( 0 points)	
	ent dr	phemeral Strean y wash greater tha			Less than Greater th	100 feet nan 100 fee	t	(10 points) ( 0 points)	
(Downgradi	ent la	rest Lake, Playa, kes, playas and fe watering ponds		g Pond:	Less than Greater th	i 100 feet han 100 fee	et	(10 points) ( 0 points)	0
domestic w	200 fe ater s	ction Area: eet from a private ource, or less than Il other water sour				Ye N	es lo	(20 points) ( 0 points)	
(Horizontal	distaı Is, rive	rface Water: nce to perennial ers, streams, cree	ks,		100 feet	n 100 feet to 1000 fee han 1000 fe		(20 points) (10 points) ( 0 points)	
irrigation ca	anals	and ditches)	τ		RANKIN	G SCORE	(TOTAL P	OINTS)	

Date Remediation Start	ed: <u>11/19/</u> 9	9	_Date Complet	ed: <u>9-19-</u>	00
Remediation Method:	Excavation		_Approx. cubic	yards	
(Check all appropriate sections)	Landfarme	d	_Insitu Biorem	ediation	
	Other	Core sam	ple 4' below pit	bottom center,compo	osite core sample
Remediation Location:	Onsi		_Offsite		
(i.e. landfarmed onsite, name and location of offsite facility)					
<u> </u>	Remedial Action: .	NONE	Regarred	P. P. TO Be B	Ack Filled ans
General Description of	Desceded. N	0 contam	indian D	etected 9-19-	00 BAULFILPIT
Grandinator Engants	AND Resero	No <b>XXX</b>	Yes	Depth	
Groundwater Encounte	erea:			·	
Final Pit: Closure Sampling: (in multiple samples,	Sample location		ple 4' below pit tom corners.	bottom center,4point	composite sample
attach sample results and diagram of sample	Sample depth	CORE S	AMPLE 4' BEL	OW PIT BOTTOM.	
locations and depths) Sample D		11/19/9	<u>9                                    </u>	ample Ti <u>me; 11:1</u>	0Am,11:30Am
Sample re	esults	00	mers/center		1
Soil:	Benzene	(ppm)	ND/ND_V	Vater: Benzene	(ppb) NA
	Total BTEX	(ppm)	NDIND	Toluene	(ppb) NA
	Field Headspace	(ppm)	ND/ND	Ethylbenzene	(ppb) NA
	TPH	(ppm)	NOINO	Total Xylenes	(ppb) NA
Groundwater Sample:	•	Yes	No_	XXX (If yes atta	ch sample results)
I HEREBY CERTIFY T		TION ABOV	E IS TRUE AN	ID COMPLETE TO T	HE BEST OF MY
KNOWLEDGE AND BE	ELIEF.				
		PRINTE	D NAME	JEFF CR	oss
SIGNATURE	of lws	AND TI	TLE _	PROJECT	MANAGER
AFTER REVIEW OF T	HE PIT CLOSURE I CHE TRIBE PIT CLO	NFORMATION OF THE ORD	ON, PIT CLOS	URE IS APPROVED	IN ACCORDANCE TO
APPROVED: YE	s_ <u>X</u>	NO	(REASON)		
SIGNED:	= C Man	$\mathcal{M}_{}$	DATE:	11-9-00	)

## Pit Impact Rating Sheet

Well Name:	JAT 358 # 8		
Well Location:		22 N R 2 W	_
Number of Pits at Location:	1	=	
Pit Number and Usage:	BLOW PI		
Estimated Elevation:	7100'	_	
Estimated Groundwater Elevat			
Vulnerable Area: YES XX	NO	_	
Fluid in Pits: YES	NO XX	_	
% Water:	0		
% Oil:	0		
Visual Soil Contamination:			
	on/Satureated Soils:		
Unsatureated Conta	amination (Odor or F	PID Reading): ND	
Suspected Groundwater Conta	mination: NO	XX YES	_
Reason for Suspicion	on:		
			_
			_
RATING:			
1011110.			
Depth to Groundwater:		Wellhead Protection Area:	
< 50'	20	< 1000' from water s	
50' - 99'	10	<200' from a domest	
> 100'	0		Yes 20
Rating	0		No <u>0</u>
			Rating 0
		B	40 54
Distance to Surface Water:		Distance to Ephermeral stream	
< 200' horizontal fe		< 100' horizontal fee	
200' - 1000' horizon		> 100' horizontal fee	
> 1000' horizontal f		_	Rating 0
	Rating 0	Distance to Lake Disco on Mark	vice Dand
		Distance to Lake, Playa or Wate < 100' horizontal fee	
		> 100 horizontal fee	
		> 100 nonzontar lee	
			Rating 0
FINIAL COULDENATIONATION	ON OTANDADD	C. T-4	al Datina 0
FINAL SOIL REMEDIATION	JN STANDARDS	<u>5.</u> 100	al Rating0
TPH: <u>5000</u> ppm			
Benzene: 10 ppm			
BTEX: <b>50</b> ppm			
KNOWN ANALYSIS:			
Soil: TPH: ND	ppm Benzene:	ND ppm BTEX	(: ND ppm
Groundwater: TPH: NA	ppm Benzene:	NA ppm BTEX	·   '   '   '   '   '   '
1777. 147	_ ppm	рр	FF
PROBABLE SOIL REMEDIAT	ION TECHNIQUE:		
Bioremediation: On-Site			
Composting:			
Disposal: Facility Nam	10		
Disposal: Facility Name Thermal Desorption:	10		
Soil Venting: Other:			
Outer.			



# APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JAT 358 # 8

LOCATION

PIT CO	DUNT	1							
	OT 4 D T				FINISH			1	
	START				FINIOIT				
DIMENS	L	W	D			L	W	D	CU YDS
Pit 1	35'	35'	6'	Pit 1	100000000000000000000000000000000000000				
Pit 2				Pit 2		<del></del>			
Pit 3				Pit 3					
DATE:		Pit 1 @ 10'	Pit 2 @	Pit 3 @	Date:		Pit 1 @	Pit 2 @	Pit 3 @
DATE.	Center	ND	71120	1100		Center			
P	NW Corner	ND		<del></del>	p.	NW Corner	<u> </u>		
		ND				NE Corner			
	NE Corner				D	SW Corner			
0	SW Corner SE Corner	ND ND		<u> </u>		SE Corner			
NOTE			CTAINING	OVERGROWN	WITH SA		1		
NOTE	PH SHOWS	NO VISIABLE	STAINING,	OVERGROVIII	***************************************	(OLDI (OOI II		-	
	11/19/99 TOC	OK ONE CORE	SAMPLE 4'	BELOW PIT BO	оттом с	ENTER, PID I	READINGS NO	).	
		STAINING O							
	11/19/99 TOC	OK 4 POINT C	OMPOSITE O	ORE SAMPLE	4' BELO	W PIT BOTTO	OM CORNERS	3.	
	PID READING	3S ND WITH	NO VISIABLE	STAINING OF	ODOR.				
	TIO NO INC.				······································				
<del>                                     </del>									
<b></b> -			-						
<b> </b>									
<u> </u>									
	<del></del>								
	<del></del>								
<b></b>	DATE	11/19/99		SOIL SAMP	LING				
-	<i>D</i> / (12		Pit 2 @	Pit 3 @		SIS RESULTS		PER LAB	Assaigai
	Center	ND	-		PIT	TPH	BETEX	WITNESS	DATE
р	NW Corner	ND			NO	SIDE\BTM	SIDE\BTM		
	NE Corner	ND ND	<del> </del>		1	ND/ND	NDIND	J.C.	11/19/99
	×	<del> </del>	-		2	100/100	1		
D	SW Corner SE Corner	ND ND			3		<del> </del>		
	SE Conner	IND	<u>.l</u>	RE-SAMPLE		1			
DATE:		Pit 1 @	Pit 2 @	Pit 3 @		SIS RESULTS		PER LAB	· · · · · · · · · · · · · · · · · · ·
DATE.	Center		1.1.2.	1	PIT	TPH	BETEX	WITNESS	DATE
Р	NW Corner	+	<del> </del>	+	NO	SIDE\BTM	SIDE\BTM		
	<b>8</b>		<del> </del>		1				
	NE Corner	-		<del></del>	2		+		
D	SW Corner SE Corner	<del> </del>	<del> </del>		3	<del> </del>		1	<del> </del>
	SE Corner	1	.l	RE-SAMPLE		<u>.l</u>			<del> </del>
DATE		Dit 1 @	Dit 2 @	Pit 3 @		SIS RESULTS	· · · · · · · · · · · · · · · · · · ·	PER LAB	
DATE:		Pit 1 @	Pit 2 @	FIL3 (W)	PIT	TPH	BETEX	WITNESS	DATE
	Center	<del> </del>	<del> </del>	<del> </del>	NO	SIDE\BTM	SIDE\BTM	171111200	7 27.112
P	NW Corner	<del> </del>	1		-	SIDERBIN	CIDE (D 1 IVI		l
	NE Corner	-			1 1		<del>-</del>	<del> </del>	1
D	SW Corner	<u> </u>	<del> </del>		2	<del></del>			1
	SE Corner				3			_1	



### 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) 662-255 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: APACHE CORPORATION

Project: 9911225 JIC. PIT REMEDIATION

Mr. A. Brown

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

Client Sample ID	JAT358#8 P	IT SIDES		Sample <b>SO</b> Matrix	IL			mple llected	11/19/99 11:10:00
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911225-01	IA	SW846 5030	A/8021B Purgeable VOCs by GC	:/PID					
X99383	XG.1999.993-15	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-15	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-15	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-15		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999,993-15	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99
9911225-01	1A	SW846 ME/8	015A Diesel Range Organics by	y GC/FID					
X99388	XG.1999.1002-21		Diesel Range Organics	ND	mg / Kg	1	25		11/30/99

Client Sample ID	JAT358#8 P	IT CENTER		Sample Matrix	SOIL			mple llected	11/19/99 11:30:00
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911225-02	2A	SW846 5030A/8	3021B Purgeable VOCs by 0	GC/PID					
X99383	XG.1999.993-16	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-16	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-16	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99383	XG.1999.993-16		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99383	XG.1999.993-16	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 3:34:51 PM



#### Assaigai Analytical Laboratories, Inc.

### Certificate of Analysis

Client:

Page 2 of 2

**APACHE CORPORATION** 

Project: 9911225 JIC. PIT REMEDIATION

9911225-02/	Ą	SW846 ME/8015A Diesel Range Organics by	GC/FID				
X99388	XG.1999.1002-22	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.

Client Reports 2.0 Report Date 12/2/99 3:34:52 PM

ASSAIGAL A PA OL Chain of Custody Record ANALYTICAL D-8-11/23/99

117. TES (A)

Down or Walley

Telephone No. 11505-1255-0378 Personal Property of the Paris Anna Paris Anna

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

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

127 EASTGATE DRIVE, 21

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