State of New Mexico District III inerals and Natural Resources Department 1000 R & Bre20 AZHENMT87 TR & GAS INSPECTOR

JAN 2 9 1999

**OIL CONSERVATION DIVISION** 2040 S. PACHECO Santa Fe, New Mexico 87505

Submit 1 copy to Appropriate District and 1 copy to Santa Fe Office

# PIT REMEDIATION AND CLOSURE REPORT

Amoved 1			DE O		<b>\(\)</b>
Operator: Apache Corporation \ MW Petro	oleum	Telephone:	505-825-03	NB 2 5 1999	rive
Address: 2855 Southside River Road, Su	ite A, Farmington, NN	A 87401	- <u>AIII</u>	COM D	
Facility or Well Name:	Jic Apache Tribal A1			<u> </u>	
		T 26 N R 3W	County	Rio Arriba	
Location: Unit or Qtr/Qtr Sec	N Sec 35				
Pit Type: Separator:	_Dehydrator	Other Blow Pit			
Land Type: Jicarilla Tribal					
Beginning Pit Dimensions:	Length 40	' Width 40	Depth	4'	
Pit Location: Ending Pit Dimensions:	Length 50	' Width 50	<u>''</u> Depth	16'	
(Attach diagram) Reference:	Wellhead XX	Other			
Footage from reference:	200	)'			
Direction from reference:	117 _	Degrees XX	East	North	
			West	f South _	х
Depth To Groundwater: (vertical distance from contaminants to seasonal high water elevation of		Less than 50 feet 50 feet to 99 feet Greater than 100 fee	et	(20 points) (10 points) ( 0 points)	0
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) _	0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks,		Less than 200 feet 200 feet to 1000 fee Greater than 1000		(20 points) _ (10 points) _ ( 0 points) _	0
irrigation canals and ditches)		RANKING SCORE	(TOTAL PO	INTS)	0

Date Remediation Star	ted:	7/7/97		_Date Comple	eted:		7/16/97
Remediation Method: (Check all appropriate		Excavation	XXX	_Approx. cub	ic yards		1100
sections)	Landfarmed		XX	_Insitu Biorer	mediation		
		Other				<u></u>	
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)	;	Onsite	XX	_Offsite _			
General Description o	f Remedial Action:		Excavate	pit to 16', to	ook PID read	ings. Sp	read soil on
. location for	remediation. Took	soil samp	les.				
						. <u> </u>	
Groundwater Encoun	tered:	No	X	X Yes		Depth	
Final Pit:	Sample location		5 point co	mposite sample	taken from pit	sidewalls a	nd pit
Closure Sampling: (in multiple samples,			bottom ce	nter			
attach sample results and diagram of sample	e Sample depth	16'	8 to 10"	into pit sidev	valis 10" into	om	
locations and depths)	Sample Date Sample results		7/16/9		Sample Time		11:00 AM
	Benzene		(ppm)	ND	_		
	Total BTEX		(ppm)	ND	- -		
	Field Headspace		(ppm)	23.8	<u>-</u>		
	TPH			ND	_		
Groundwater Sample		Ye	<del></del>	No			ach sample results)
I HEREBY CERTIFY '		ATION ABO	OVE IS TR	UE AND COM	MPLETE TO	THE BES	FOF MY
1							
DATE	January 8, 199	9	PRINTE	D NAME	Jeff Cross	<del></del>	

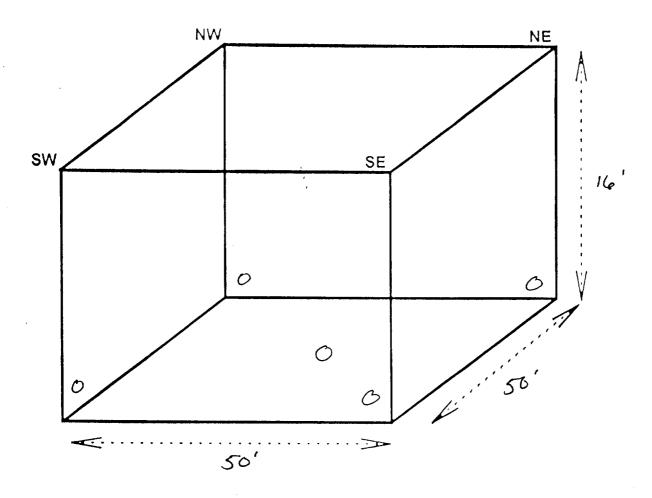
Submit 1 copy to Natural Resource Dept. and Oil & Gas Administration

### PIT REMEDIATION AND CLOSURE REPORT

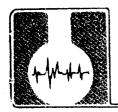
Operator:	мw	PETROLEUM			Telephone	505-32	25-0318		
Address:	2855	SOUTHSIDE RI	VER ROAD	) / SUITE A	A / FARMING	STON N.M.	87401-79	)47	-
Facility or We	ell Na	me:	JAT A118	#6	_ <del></del>		-		
Location:	Unit	or Qtr/Qtr Sec	N	SEC 35	T 26N	R 3W	County	RIO ARRIBA	
Pit Type:	Sepa	arator:	Dehydrato	or	_Other	BLOWPIT			
Land Type:	···	JIC. TRIBA	AL		<del></del>				
Pit Location:		Pit Dimensions:	Length	n 50'	Width	50'	Dep	oth 16'	
(Attach diagr	am)	Reference:	Wellhead	XXX	_Other				
		Footage from ref	ference:	200'		-			
		Direction from re	eference:	117	Degrees	XX	_East	North _	
							_West	South _	X
Depth To G	round	dwater:			Less than	50 feet	·	(20 points)	
(vertical distance		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			50 feet to	99 feet		(10 points)	
contaminants to high water eleva groundwater)	season	aal			Greater th	ian 100 fee	t	( 0 points) _	0
Distance to	an E	phemeral Stream	n:		Less than	100 feet		(10 points)_	
	ent dry	y wash greater tha			Greater th	nan 100 fee	et	( 0 points) _	0
Distance to	Near	est Lake, Playa,	or Waterin	ng Pond:	Less than			(10 points)	
		kes, playas and fe watering ponds)	)		Greater th	nan 100 fee	et	( 0 points) _	0
Wellhead P	rotec	tion Area:				Υe		(20 points)_	
domestic wa	ater so	et from a private ource, or less thar I other water sourc				N	lo	( 0 points) _	0
Distance To	o Sur	face Water:			Less than			(20 points)_	
(Horizontal	distan	ce to perennial				to 1000 fee		(10 points)_	
lakes, ponda		ers, streams, creel and ditches)	ks,			han 1000 fe		( 0 points) _	<u> </u>
		•			RANKING	G SCORE	(TOTAL P	OINTS) _	0

Date Remedia	ation Start	ed:	7/7/97		Date Comp	leted:	7-16	-97	
Remediation		Excav	ation	XXX	Approx. cul	bic yards		1100	
(Check all app sections)	propriate	Landfa	rmed	хх	Insitu Biore	mediation			
		Othe	er			<del>-</del>			
Remediation (i.e. landfarmoname and loc offsite facility)	ed onsite, ation of	(	Onsite	XX	Offsite				
General Desc	cription of	Remedial Actio	n: Exc <u>av</u>	ate pit t	o 16',took l	PID readin	gs. spread	soil on	
	location fo	or remidiation.	Took soil	sample	es.				
Groundwate	r Encounte	ered:	No	xxx	. Yes		Depth		
Final Pit: Closure Sam (in multiple sa	-	Sample location	1 <u>5 p</u>	point cor	nposite take	en from pit	sidewalls an	d pit bottom	center.
attach sample	e results of sample	Sample depth	8"	to 10" ir	nto pit side v	valls ,10" ir	nto pit bottor	n.	
locations and	Sample Da			7/16/97	· · · · · · · · · · · · · · · · · · ·	Sample T	i <u>me</u>	11:00AM	
	Soil:	Benzene	<b>(</b> p)	pm)	ND	_Water:	Benzene	(ppb)	NA
		Total BTEX	(p	pm)	ND	-	Toluene	(ppb)	NA
		Field Headspace	ce (p	pm)	23.8	_ Etl	hylbenzene	(ppb)	NA
		ТРН	<b>(</b> p	pm)	ND	_ То	tal Xylenes	(ppb)	NA
Groundwate	r Sample:		Yes		_ No	XXX	_(If yes atta	ich sample r	esults)
I HEREBY C		IAT THE INFOR LIEF.	MATION	ABOVE	IS TRUE A	AND COMP	PLETE TO T	HE BEST C	F MY
DATE		1-25-98	PI	RINTED	NAME		JEFF CR	oss	
SIGNATURE		Lefflev.	ウAI	ND TITL	.E		PROJECT	MANAGER	<u> </u>
AFTER REV	IEW OF TH	HE PIT CLOSUR HE TRIBE PIT (	E INFOR	MATION ORDIN	N, PIT CLO IANCE.	SURE IS A	PPROVED	IN ACCORD	ANCE TO
APPROVED	: YES	<u> </u>	NO_		_(REASON	l)			
	. /			$\bigcap$					
SIGNED:	X To	<u> C M</u>	0	<u> </u>	_DATE:	12	-28	-98	

. 🕶



				= SAMPLE AREA
WELL NAM	1E	A118#6		
SAMPLE D	ATE	7-16-97		-
NOTES	4 POIN	COMPOSITE SAMPLE TAKI	EN 8" TO 10" II	NTO PIT
,	SIDEW			<b>VIO</b> 111
	1 POIN	T GRAB SAMPLE TAKEN 10'	' TO 12" INTO	BOTTOM CENTER
				****
			<del></del>	
,				
	······································			
•				



# **ASSAIGAI ANALYTICAL** LABORATORIES, INC.

4 1997 AUG

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

Report Generated: July 22, 1997 11:09

### CERTIFICATE OF ANALYSIS **RESULTS BY SAMPLE**

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER # : 9707174

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

. : APA01

DATE RECEIVED : 07/18/97

ATTN: JEFF CROSS

Page: 1

**Lab ID:** 9707174-01A

Sample ID: JAT A 118 #6 PIT SIDES

Collected: 07/16/97 11:00:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A		,,	0.0050	100	07/01/07	CDTTA CE 170
Benzene Toluene	ND ND	mg/kg	0.0050 0.0050	100 100	07/21/97 07/21/97	SBTXME179 SBTXME179
Ethylbenzene	ND	mg/kg mg/kg	0.0050	100	07/21/97	SBTXME179
P-&m-Xylene	ND	mg/kg	0.010	100	07/21/97	SBTXME179
O-Xylene	ND	mg/kg	0.0050	100	07/21/97	SBTXME179

**ab ID:** 9707174-01B

Sample ID: JAT A 118 #6 PIT SIDES

Collected: 07/16/97 11:00:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	ND	mg/Kg	25	25	07/21/97	SDRO43

**Lab ID:** 9707174 - 02A

Sample ID: JAT A 118 #6 PIT BOTTOM

Collected: 07/16/97 11:15:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND	mg/kg	0.0050	100	07/21/97	SBTXME179
	ND	mg/kg	0.0050	100	07/21/97	SBTXME179
	ND	mg/kg	0.0050	100	07/21/97	SBTXME179
	ND	mg/kg	0.010	100	07/21/97	SBTXME179
	ND	mg/kg	0.0050	100	07/21/97	SBTXME179



Page: 2

( b ID: 9707174-02B Linple ID: JAT A 118 #6 PIT BOTTOM

**Collected:** 07/16/97 11:15:00 **Matrix:** SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	ND	mg/Kg	25	25	07/21/97	SDRO43

President

### **WORKORDER COMMENTS**

DATE : 07/22/97

WORKORDER:

### DEFINITIONS/DATA QUALIFIERS

The following are definitions, abbreviations, and data qualifiers which may have been utilized in your report:

ND = Analyte "not detected" in analysis at the sample specific detection limit.

D F = Sample "dilution factor"

NT = Analyte "not tested" per client request.

B = Analyte was also detected in laboratory method QC blank.

E = Analyte concentration (result) is an estimated value or

exceeds analysis calibration range.

LIMIT = The minimum amount of the analyte that AAL can detect utilizing the specified analysis.

Please Note: Multiply the "Limit" value (AAL's Detection Limit) by Dilution Factor (D\_F) to obtain the sample specific Detection Limit.

### REPORT COMMENTS



Client Apache Corporation

# Chain of Cus⁺ady Record

Project Manager / Contact \_\_Jeff\_\_Cross

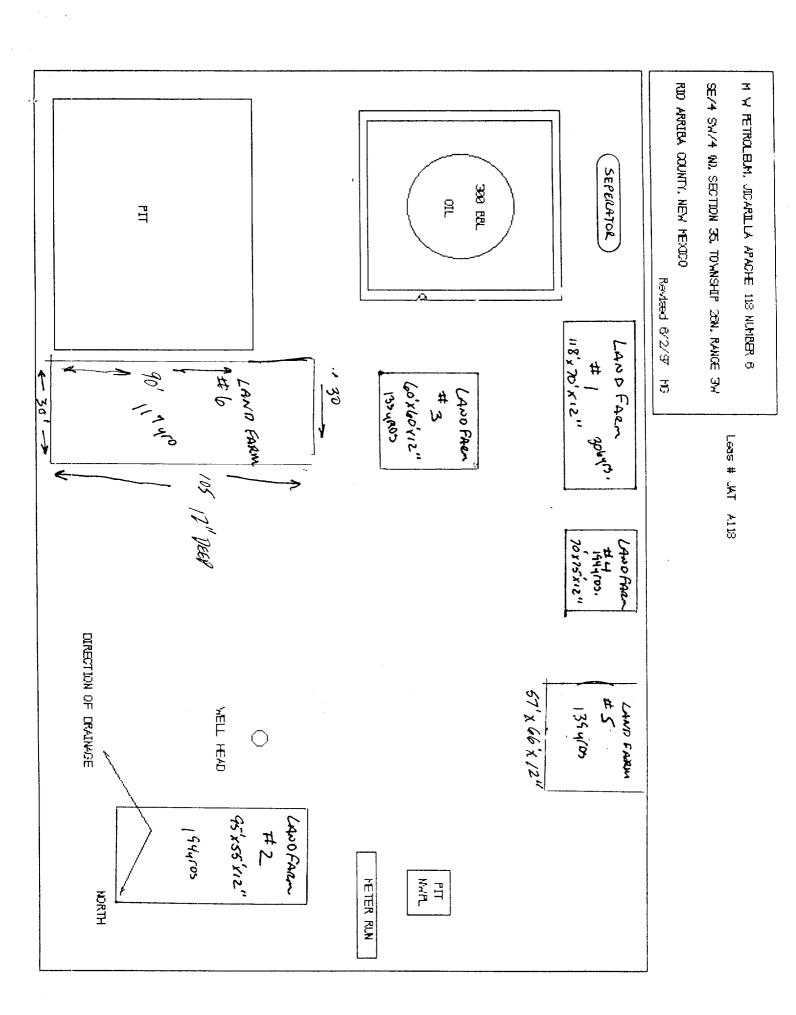
3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-6000

ALBUQUERQUE, NEW MEXICO Parto (1505) 345-8964

1910 N. BIG SPRING A. MIDLAND, TEXAS 79705 (1915) MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Analysis Required

304	4 N. Behrend	Telephone No. (505) 77	774-6643 //		Analysis Required	
Sealon	, , , , , , , , , , , , , , , , , , ,			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
City / State / 2	CILY STATE / ZIPCALLILA DITT CLOSHRES	OSTIRES Samplers: (St.	Service Confliction of the service o	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Home	2
Project Name	/ Numbero Action Late Car		13 / 1/20 /			
Contract / Pur	Contract / Purchase Order / Quote		No on			
¥	Teld / 1989 / Person	Time Sample Tune / Star of Container		<u></u>		
MUMBER	Sample Humber / Location	177	Te 1		Tat A 118 # 6 P.4	5 P.t S.
<u>}</u>	1 200 51 (AL	7069			14 A118 +1 Dit Sidi	+ Sidis
(13	JATAN8 OT 3,065 110	7.162 1.1.1.1.1.1				0
2.A		11:15 5211			AT CANK HE L'IT DOUB	1
20	3ATA118 0 X Botton 7-16	7-110-97 1/15 50,1			JAT AAIR #6 HI	120 100
	ĭ					
	12 SA					
	Ma					
						-
Relinquished by:	19-81-18-97	Received by:	Relinquished by:	Date (2,0)	Received by: Cale Tub!	0/9
Signature	The Market of th	Signature	Signature	/3.0.)		# # # # # # # # # # # # # # # # # # #
Printed // Company	LCUC COLY TIME	Company At	Company	Time // // / / / / / / / / / / / / / / / /	Company	
Resson		Reason	Resson	00.0	Reason	
				After analysis, samples are to be:	ples are to be:	
Method of Shipment:	11.	Comments:			Disposed of (additional fee)	- 1 T
Shipment No.					Stored (30 days max)	
Special instructions:				Stored	Stored over 30 days (additional fee)	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10
				∏ Return	Returned to customer	Signal Control of the



# M W PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCA	OCATION A118 # 6 Review and Approval OCDBLM											
PIT CO	TNUC	1	•	EPO Representative  Date of Review								
	START:	7/7/97			FINISH: 7/16/97							
DIMEN						\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>		D	CU YDS			
	W	L L	D	52.4		W	50'	16'	1100			
Pit 1	40'	40'	4'	Pit 1		50'	30	10	1100			
Pit 2				Pit 2			ļ					
Pit 3	<u> </u>			Pit 3			DH 4 @ 46!	D# 2 @	Pit 3 @			
		Pit 1 @ 8'	Pit 1 @ 10'	Pit 3 @	***************************************		Pit 1 @ 16'	PIL 2 (W)	Fit 3 (g)			
	Center	400	27			Center	27	<u> </u>				
₽	NW Corner	660	300		P	NW Corner	30	<u> </u>				
	NE Corner	168	61		1	NE Corner	18					
D	SW Corner	820	168		D [	SW Corner	31					
	SE Corner	515	240			SE Corner	13	<u> </u>				
NOTES	S:											
	7/7/97 STAR	T EXCAVATIO	N ON PIT , H	EAVY STAININ	IG AND O	DOR TO 8'.						
	7/8/97 EXCA	VATE PIT TO	10' LIGHT S	TAINING AND	ODOR, P	ID READING	S HIGH.					
	7/9/97 EXCA	VATE PIT TO	14', NO STA	INING AND VE	RY LIGHT	ODOR, PID	READINGS ST	ILL HIGH.				
	7/10/97 EXC	AVATE PIT TO	) 16' , PID RE	ADINGS GOOL	D.							
<b>-</b>		AVATE PIT SI										
	7/16/97 EXC	AVATE PIT SI	DE WALLS O	UT 5 MORE FE	ET . NO	STAINING,TC	OK SOIL SAM	PLES.				
	THOIST EXC	/(//(12) 11 01	<u> </u>		· · · · · · · · · · · · · · · · · · ·							
						· · · · · · · · · · · · · · · · · · ·						
			<u></u>									
<u> </u>												
<b></b>												
					<del></del>	<del></del>						
	SAMP DATE	7/16/9	7									
	SAMP DATE		Pit 2 @	Pit 3 @	ANALVS	SIS RESULTS		PER LAB	Assaigai			
************		Pit 1 @ 16'	PILZW	FILS W	PIT	TPH	BETEX	WITNESS	DATE			
	Center	27		<u> </u>	<b>⊣</b>	IPH	DETEX	VIIIVEOC	DALLE			
₽	NW Corner	30	<u> </u>		NO	15	100	J.C.	7/21/97			
	NE Corner	18		_ <b> </b>	1_1_	ND	ND_	J.C.	1121191			
0	SW Corner	31			2	<del>                                     </del>		<del> </del>				
	SE Corner	13	<u> </u>		3	1			1			
						L(S) SAMPLE		252:42				
DATE	:	Pit 1 @	Pit 2 @	Pit 3 @		SIS RESULTS		PER LAB	T 5:			
	Center				PIT	TPH	BETEX	WITNESS	DATE			
ρ	NW Corner				NO							
	NE Corner				1	<u> </u>			l			
D	SW Corner				2			<u> </u>				
		_ I					_,					
E0000000000000000000000000000000000000	SE Corner				3							
	SE Corner			RE-SAMPLE		L(S) SAMPLE						
DATE		Pit 1 @	Pit 2 @		OR CEL	L(S) SAMPLE		PER LAB				
DATE		Pit 1 @	Pit 2 @	RE-SAMPLE	OR CEL	SIS RESULTS		PER LAB WITNESS	DATE			
	Center		Pit 2 @		OR CEL ANALY PIT		3		DATE			
р	: Center NW Corner		Pit 2 @		OR CEL ANALY PIT NO	SIS RESULTS	3		DATE			
P	Center  NW Corner  NE Corner		Pit 2 @		ANALY PIT NO 1	SIS RESULTS	3		DATE			
р	: Center NW Corner		Pit 2 @		OR CEL ANALY PIT NO	SIS RESULTS	3		DATE			

Jicarilla Apache Tribal EPO/OCD/BLM

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

Operator:	MW PETR	OLUEM		Telephone			505-325-0318			
Address:		2855 SOUTH	SIDE RIV	/ER ROAD	)/SUITE A	/ FARMING	TON N.M. 8	37401-7947		
Facility or We	ell Name:	J.	AT A 118	#6 CE	LL#1					
Location:	Unit or Qtr	/Qtr Sec _	N	SEC 35	T 26 N	R 3 W	_County	RIO ARR	IBA	
Land Type		JIC. TRIBAI								
Date Remedi	ation Starte	d:	7/7/97		_Date Cor	mpleted:		11/11/98	3	
Remediation		Landfarmed		XXX	Approx.	cubic yards		306		
		Composted			<u> </u>	-				
		Other			SOIL TO	BE SPREA	D ON LOC	ATION		
Depth to Gro	undwater:	· · · · · · · · · · · · · · · · · · ·	(pts)	0		Final Clo	sure Sam	oling	· · · · · · · · · · · · · · · · · · ·	
Distance to a	n Ephemer	al Stream:	(pts)	0	Samplin	g Date:	11/11/98	Time:	9:00AM	
Distance to N or Watering I		e, Playa,	(pts)	0	Sample		•			
Wellhead Pro	otection Are	ea:	(pts)	0		space (ppm)	0 n) 740	— Method	M8015	
Distance To	Surface Wa	ater:	(pts)	0	Oth	ner BTEX \\$			D )	
RANKING S	CORE (TO	TAL POINTS	5)	0	_	<u> </u>				
I HEREBY C		AT THE INF LIEF	ORMATIC	ON ABOVE	IS TRUE	AND COMP	LETE TO	THE BEST	OF MY	
DATE:		11/25/98		PRINTE	NAME		JEFF C	ROSS		
SIGNATURE	E_fu	Mw.	7	_TITLE	<u></u>	PROJEC	T MANAG	ER		
ACCORDAN	ICE TO TH	HE SOIL REN E JICARILLA	APACHE	TRIBE P	T CLOSU	RE ORDINA	NCE.		M	
APPROVED	: YES	s_ <u>/</u> _	NC		(REASC	N) NJ	Bo	ekh	ull u	
SIGNED:	,	=CM	Λ							

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

Operator:	MW PETR	OLUEM			Telephon	e	505-325-0	0318	
Address:		2855 SOUTH	HSIDE RIV	/ER ROAD	SUITE A	/ FARMING	TON N.M.	87401-7947	
Facility or We	ell Name:	J	AT A 118	#6 CEI	L#2				
Location:	Unit or Qtr	/Qtr Sec _	N	SEC 35	T 26 N	R3W	_County	RIO ARR	IBA <sup>*</sup>
Land Type		JIC. TRIBA							
Date Remedi	ation Starte	ed:	7/7/97		_Date Con	npleted:		11/11/98	
Remediation		Landfarmed			_Approx. o	cubic yards		194	
		Composted			_				
		Other			SOIL TO	BE PUT BA	ACK IN PIT		
Depth to Gro	undwater:	·	(pts)	0		Final Clo	sure Sam	pling	
Distance to a	ın Ephemer	al Stream:	(pts)	0	Sampling	g Date:	11/11/9	8_Time:	9:10AM
Distance to N or Watering		e, Playa,	(pts)	00	Sample		0		
Wellhead Pr	otection Are	ea:	(pts)	0		space (ppm)			M8015
Distance To	Surface Wa	ater:	(pts)	0	TPH (ppm) <u>ND</u> Method <u>M8015</u> Other BTEX \SW846 , 8020A (ND)			 D)	
RANKING S	CORE (TO	TAL POINTS	<b>6)</b>	0	-	<u> </u>			
I HEREBY C		HAT THE INF	ORMATIO	ON ABOVE	IS TRUE	AND COMP	PLETE TO	THE BEST	OF MY
DATE:		11/25/98		_PRINTE	NAME		JEFF C	ROSS	
SIGNATURE	<u> </u>	off lw	う	TITLE		PROJEC	T MANAC	SER	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.  APPROVED: YES NO (REASON) WE AS SOCIETY.									
APPROVED	): YE	s_X	NO	<u> </u>	(REASC	ON) LE	و صع	Bock	100
SIGNED:	X.	C7Ma	ll	DATE:		28	-98		

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

				_			
Operator: <u>MW PETRO</u>	LUEM		Telephone		505-325-0	318	
Address: 2	2855 SOUTHSIDE	RIVER ROAD	/SUITE A/	FARMINGT	ON N.M. 8	7401-7947	
Facility or Well Name: _	JAT A 1	18#6 CEL	L#3				
Location: Unit or Qtr/0	Qtr Sec N	SEC 35	T 26 N	R3W	County	RIO ARRI	ВА
Land Type	JIC. TRIBAL						
Date Remediation Started	l: 7/8/97	7	Date Com	pleted:		11/11/98	
Remediation Method: l	Landfarmed	XXX	Approx. c	ubic yards		133	
	Composted		-				
	Other		SOIL TO	BE PUT BA	CK IN PIT		
Depth to Groundwater:	(r	ots)0		Final Clo	sure Samp	ling	
Distance to an Ephemera	l Stream: (r	ots) 0	Sampling	Date:	11/11/98	_Time:	9:20AM
Distance to Nearest Lake or Watering Pond:	, Playa, (p	ots)0	Sample R		0		
Wellhead Protection Area	a: (J	ots) <u> </u>		pace (ppm) (ppm	0 ) <u>ND</u>	 Method	M8015
Distance To Surface Wat	er: (j	ots) <u>0</u>	TPH (ppm) <u>ND</u> Method <u>M8015</u> Other <u>BTEX \ SW846 , 8020A ( ND )</u>				
RANKING SCORE (TOT	AL POINTS)	0					
I HEREBY CERTIFY THA KNOWLEDGE AND BEL		TION ABOVE	IS TRUE /	AND COMP	LETE TO 1	THE BEST (	OF MY
DATE:	11/25/98	PRINTED	NAME		JEFF CF	ROSS	
SIGNATURE	floor	TITLE		PROJEC	T MANAG	ER	-
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.							
APPROVED: YES	<u> </u>	NO	_(REASO	<u>иро</u>	ca f	Back	
SIGNED:	cmal	Q_DATE:	12 -	- 28 -	98		_

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

Operator:	MW PETR	OLUEM			_Telephone	)	505-325-0	0318	- 1
Address:		2855 SOUTH	ISIDE RIV	/ER ROA	D/SUITE A/	FARMING	TON N.M. 8	87401-7947	
Facility or W	ell Name:	J	AT A 118	#6 CE	LL#4				
Location:		/Qtr Sec				R3W	_County	RIO ARR	IBA
Land Type		JIC. TRIBAL							<del></del>
Date Remed	liation Starte	ed:	7/9/97		Date Com	pleted:	<u></u>	11/11/98	
					Approx. co			194	
Remediation	i Methoa:	Landfarmed Composted				ubic yaius			
		Other			SOIL TO	BE PUT BA	ACK IN PIT		
Depth to Gro	oundwater:		(pts)	0		Final Clo	sure Sam	pling	
Distance to		al Stream:		0	Sampling	Date:	11/11/98	8_Time:	9:30AM
Distance to or Watering	Nearest Lak Pond:	e, Playa,	(pts)	0	Sample R		•		
Wellhead P	rotection Are	ea:	(pts)	0		pace (ppm) (ppm	<u>.,, </u>	— Method	M8015
Distance To	Surface Wa	ater:	(pts)	0	TPH (ppm) <u>ND</u> Method <u>M8015</u> Other BTEX \ SW846 , 8020A ( ND )				
RANKING S	SCORE (TO	TAL POINTS	)	0		DILX (	311340,00		- /
	CERTIFY TH	AT THE INFO	ORMATIC	ON ABOVE	IS TRUE A	AND COMF	PLETE TO	THE BEST	OF MY
DATE:		11/25/98		PRINTE	NAME		JEFF C	ROSS	
SIGNATUR	E	flios		TITLE		PROJEC	T MANAG	ER	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.									
APPROVE	D: YES	s <u>×</u>	NC	)	(REASOI	N) use	as 1	Backy	Lill .
SIGNED:	Kã	-CM		DATE:		28	- 98		 

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

Operator: MW	PETROLUEM			Telephone		505-325-0	318	
· —		IDE DIVED						
Address: 2855 SOUTHSIDE RIVER ROAD/SUITE A/ FARMINGTON N.M. 87401-7947  Facility or Well Name: JAT A 118 # 6 CELL # 5								
Location: Unit	or Qtr/Qtr Sec	N SEC	35	T 26 N	R3W	County	RIO ARRI	BA
Land Type	JIC. TRIBAL							
Date Remediation	Started: 7	/15/97		Date Com	pleted:		11/11/98	
Remediation Meth	nod: Landfarmed		XXX_	Approx. ci	ubic yards		139	
	Composted							
	Other			SOIL TO	BE PUT BA	ACK IN PIT		
Depth to Groundw	vater:	(pts)	0		Final Clo	sure Samp	oling	
Distance to an Ep	hemeral Stream:	(pts)	0	Sampling	Date:	11/11/98	3_Time:	9:40AM
Distance to Neare or Watering Pond		(pts)	0	Sample R	Results:	0		
Wellhead Protect	ion Area:	(pts)	0			n) ND	— Method	M8015
Distance To Surfa	ace Water:	(pts)	0	Other BTEX \ SW846 , 8020A ( ND )				
	RE (TOTAL POINTS)		0					
I HEREBY CERT KNOWLEDGE A	IFY THAT THE INFO ND BELIEF	RMATION A	BOVE	IS TRUE /	AND COMF	PLETE TO	THE BEST (	OF MY
DATE:	11/25/98	PR	RINTED	NAME		JEFF C	ROSS	
SIGNATURETITLEPROJECT MANAGER								
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.								
APPROVED:	YES_X_	NO		_(REASO	N) use	az	Bock	full
SIGNED:	La CMa		ATE:		-28	-98		

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

Operator:	MW PETR	OLUEM			Telephone	505-325-0318		
Address:		2855 SOUT	HSIDE RIV	ER ROAL	O/SUITE A/ FARMING	TON N.M. 87401-7947		
Facility or We	ell Name:		JAT A 118	#6 CE	LL#6			
Location:	Unit or Qtr	/Qtr Sec	N	SEC 35	T 26 N R 3 W	County RIO ARRIBA		
Land Type		JIC. TRIBA	AL					
Date Remed	iation Starte	ed:	7/16/97		_Date Completed:	11/11/98		
Remediation	Method:	Landfarme	d .	XXX	_Approx. cubic yards	117		
		Composted	i		_			
		Other			SOIL TO BE PUT B	ACK IN PIT		
Depth to Gro	oundwater:		(pts)	0	Final Clo	osure Sampling		
Distance to		ral Stream:	(pts)	0	Sampling Date:	11/11/98 Time: 9:50AM		
Distance to or Watering		e, Playa,	(pts)	0	Sample Results:	0		
Wellhead P	rotection Ar	ea:	(pts)	0	Field Headspace (ppm)			
Distance To	Surface W	ater:	(pts)	0		TPH (ppm) <u>ND</u> Method <u>M8015</u> Other BTEX \ SW846 , 8020A ( ND )		
RANKING S	SCORE (TO	TAL POINT	S)	0	Other BILX (			
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF								
DATE:		11/25/98	3	PRINTE	D NAME	JEFF CROSS		
SIGNATUR	E	Jeffl	03	_TITLE	PROJE	CT MANAGER		
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.								
APPROVE	D: YE	s <u>×</u>	_ NO		(REASON)	e as Bockfell		
SIGNED:	La	-Cm	Jaml	DATE:	12-28-	- 98		

# M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE	JAT A118 #	6		•	
* AMOUNT OF SOIL UNDERGO	OING REMEDIATIO	ON	1100	Yds.	
		<u> </u>	SampDATE	TPH	BTEX
			6/14/98	2200	ND
CELL No. 1		-	11/11/98	740	ND
DIMENSIONS(LxWxH) 118	3' X 70' X 12"			1.0	
	SOUTH			-	
CELL LOCATION (dir. from well head	300TH	<del></del>			
* DATE BEGAN: 7/7/97					
DATE TERMINATED (TPH <5,000 pp	om/BTEX< 50 ppm/Ben	zene < 10 ppm)			•
			SampDATE	TPH	BTEX
CELL No. 2			6/14/98	3100	ND
OLLE NO.			11/11/98	ND	ND
DIMENSIONS(LxWxH) 95	' X 55' X 12"	-			
					<del> </del>
CELL LOCATION (dir. from well head	NORTH	<del></del>	· · _	<del> </del>	
* DATE BEGAN: 7/7/97	_				
DATE TERMINATED (TPH <5,000 p	pm/BTEX< 50 ppm/Bei	nzene < 10 ppm)			-
			SampDATE	TPH	BTEX
CELL No. 3			6/14/98	2600	ND
OLLI NO.			11/11/98	ND	αN
DIMENSIONS(LxWxH) 60	)' X 60' X 12''				
CELL LOCATION (dir. from well hea	d SOUTH				
* DATE BEGAN: 7/8/97					
DATE TERMINATED (TPH <5,000 p	ppm/BTEX< 50 ppm/Be	nzene < 10 ppm)			
REMEDIATION RECORD: (Date, Tr	reatment, Tilling)				
7/21/97 TREAT ALL CELLS WITH 4	6-0-0 FERTILIZER, WA	TER,PLOW AND	SOIL.		
7/30/97 PLOW AND TILL CELLS		2/98 PLOW AND			
8/4/97 PLOW AND TILL CELLS.		3/98 WATER,PLC			
8/21/97 PLOW AND TILL CELLS.		28/98 PLOW AND	TILL SOIL CELL	<u></u>	
8/29/97 WATER,PLOW AND TILL C	ELLS. 8/1	12/98 PLOW AND	I ILL SOIL CELI	U CELLS	
4/23/98 PLOW AND TILL CELLS.	9/4	1/98 WATER,PLOV	THE COLL CELL	C CLLLO.	
5/17/98 PLOW AND TILL CELLS.		24/98 PLOW AND	HLL SOIL CELI	_0.	
6/3/98 WATER, PLOW AND TILL SO	OIL CELLS.				

From excavation reports.

# M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE		<b>JAT A118#</b>	6		-	
* AMOUNT OF SOIL UND	ERGOING	REMEDIATION	ON	1100	Yds.	
OSU No. A	<u> </u>			SampDATE 6/14/98	TPH 920	BTEX ND
CELL No. 4	_		}-	11/11/98	ND	ND
DIMENSIONS(LxWxH)	70' X 75	5' X 12"				
CELL LOCATION (dir. from we	II head	WEST				
* DATE BEGAN: 7/9/9	97		-			
DATE TERMINATED (TPH <5,	,000 ppm/B1	TEX< 50 ppm/Be	nzene < 10 ppm)			_
		<del></del>		SampDATE	TPH	BTEX
CELL. No. 5			-  -	11/11/98	ND	NO
DIMENSIONS(LxWxH)	57' X 66	6' X 12"				
CELL LOCATION (dir. from we						
* DATE BEGAN: 7/15/9	<u> </u>	<del></del>	L			
DATE TERMINATED (TPH <5	,000 ppm/B	TEX< 50 ppm/Be	enzene < 10 ppm)			_
				SampDATE	TPH	BTEX
CELL No. 6				11/11/98	ND	ND
DIMENSIONS(LxWxH)	90' X 3	80' X 12"				
CELL LOCATION (dir. from w	ell head	SOUTH	<u> </u>			
* DATE BEGAN: 7/16/	'97		:			
DATE TERMINATED (TPH <	5.000 ppm/B	 BTEX< 50 ppm/Be	enzene < 10 ppm)			_
REMEDIATION RECORD: (D	ate, Treatme	ent, Tilling)	TER BLOW AND	2011		
7/21/97 TREAT ALL CELLS V		FERTILIZER,W	ATER,PLOW AND S 12/98 PLOW AND T	OIL.	S	
7/30/97 PLOW AND TILL CEL			13/98 PLOW AND 1 13/98 WATER,PLO			
8/4/97 PLOW AND TILL CELL			28/98 PLOW AND T	IL SOIL CEL	S.	****
8/21/97 PLOW AND TILL CEL			12/98 PLOW AND T			···
8/29/97 WATER, PLOW AND		0/	4/98 WATER,PLOW	AND TILL SC	IL CELLS.	
4/23/98 PLOW AND TILL CE		9/	24/98 PLOW AND 1	ILL SOIL CELL	LS.	·····
5/17/98 PLOW AND TILL CEI			Z-130 I LOVY AIND I	122 0012 022		
6/3/98 WATER,PLOW AND T	ILL SOIL U	LLLG.				

From excavation reports.

				1 1 1	1 1 1 1 1 1
= SAMPLE AREA	Ο	0	0		
0					
	0		0		
		0		" TO 12" INTO CELL. AMPLE	
JAT A118#6 CELL#1 11/11/98 118' X 70' X 12"	0	0	0	ALL SAMPLES TAKEN 10" TO 12" INTO CELL.  11 POINT COMPOSITE SAMPLE	
WELL NAME: SAMPLE DATE: DIMENSIONS:	0		0	NOTES:	

WELL NAME: SAMPLE DATE: DIMENSIONS:	JAT A118 # 6 CELL # 2 11/11/98 118' X 70' X 12"			= SAM	= SAMPLE AREA
0	Ο		0		0
	0	0		Ο	
0	0		0		0
NOTES:	ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 11 POINT COMPOSITE SAMPLE	O 12" INTO CELL. IPLE			

-

WELL NAME: SAMPLE DATE: DIMENSIONS:	JAT A118 # 6 CELL # 3 11/11/98 118' X 70' X 12"	0	= SAMPLE AREA	
0	0		0	
	0			
0	0		0	
NOTES:	ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 8 POINT COMPOSITE SAMPLE			
				1 1
				1 1 1

WELL NAME: SAMPLE DATE: DIMENSIONS:	JAT A118 # 6 CELL # 4 11/11/98 118' X 70' X 12"	0	= SAMPLE AREA
0	0		0
	0		
0	0		0
NOTES:	ALL SAMPLES TAKEN 10" TO 12" INTO CELL.  8 POINT COMPOSITE SAMPLE		

= SAMPLE AREA	Ο		0		
JAT A118 # 6 CELL # 5  11/11/98  118' X 70' X 12"	0	0	0	ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 8 POINT COMPOSITE SAMPLE	
WELL NAME: SAMPLE DATE: DIMENSIONS:	0		0	NOTES:	

WELL NAME: SAMPLE DATE: DIMENSIONS:	JAT A118 # 6 CELL # 6 11/11/98 118' X 70' X 12"			0	= SAMPLE AREA	
0	0	·	0		0	
	0	0		0		
0	0		0		0	
NOTES:	ALL SAMPLES TAKEN 10" TO 12" INTO CELL 11 POINT COMPOSITE SAMPLE	TO CELL.				



## **ASSAIGAI ANALYTICAL** LABORATORIES, INC.



7300 Jefferson, NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX 3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820 127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

**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 footnate

Assaigai Analytical Laboratories, Inc.

## Certificate of Analysis

**APACHE CORPORATION** Client:

**JICARILLA PIT CLOSURES** 9811107 Project:

M C C Society of Assaigai Analytical Labbratories, Inc.

Client Sample ID	118 #6 (	CELL #	<del>‡</del> 1		mple SOIL	_			Sample Collected	11/11/98 09:00:00
						Dilution	Detection			Run
Fraction	QC Group	CAS#		Result	<u>Units</u>	<u>Factor</u>	<u>Limit</u>	*	Sequence	Date
			Test: SW846 8010B/8020A Purge	eable VOCs by GC	/PID-ELCD					
9811107-01A	X98513	71-43-2	Benzene	ND	mg/Kg	250	0.005		XG.1998.996-8	11/12/98
	X98513	100-41-4	Ethylbenzene	ND	mg / Kg	250	0.005		XG.1998.996-8	
	X98513	95-47-6	o-Xylene	ND	mg/Kg	250	0.005		XG.1998.996-8	
	X98513		P/M-Xylenes	ND	mg/Kg	250	0.01		XG.1998.996-8	
	X98513	108-88-3	Toluene	ND	mg / Kg	250	0.005		XG.1998.996-8	
			Test: SW846 8015A Diesel Rang	e Organics by GC	/FID					
9811107-01B	X98501		Diesel Range Organics	740	mg / Kg	25	25		XG.1998.1009-13	11/16/98

Client Sample ID	118 #6	CELL i	#2		atrix SOII	<b>-</b>			Sample Collected	11/11/98 09:10:00
						Dilution	Detection			Run
Fraction	QC Group	CAS#		Result	<u>Units</u>	<u>Factor</u>	<u>Limit</u>	*	Sequence	Date
			Test: SW846 8010B/8020A Purg	eable VOCs by GC	/PID-ELCD					
9811107-02A	X98513	71-43-2	Benzene	ND	mg / Kg	250	0.005		XG.1998.996-9	11/12/98
	X98513	100-41-4	Ethylbenzene	ND	mg / Kg	250	0.005		XG.1998.996-9	
	X98513	95-47-6	o-Xylene	ND	mg / Kg	250	0.005		XG.1998,996-9	
	X98513		P/M-Xylenes	ND	mg / Kg	250	0.01		XG.1998,996-9	
	X98513	108-88-3	Toluene	ND	mg / Kg	250	0.005		XG.1998.996-9	
			Test: SW846 8015A Diesel Rang	ge Organics by GC	:/FID					
9811107-02B	X98501		Diesel Range Organics	ND	mg/Kg	25	25		XG.1998.1009-14	11/16/98

Page 1 of 3

Client Reports

2.0

Report Date

11/17/98 4:24:53 PM

11/11/98

Sample



### Assaigai Analytical Laboratories, Inc.

# Certificate of Analysis

Client:

**APACHE CORPORATION** 

Project: **9811107** 

**JICARILLA PIT CLOSURES** 

Client Sample ID	118 #6 (	CELL	#3 		ample SOII	<u></u>	·	Sample Collected	11/11/9 09:20:0
						Dilution	Detection		Run
Fraction	QC Group	CAS#		Result	Units	Factor	Limit	* Sequence	Date
	( <del></del>			<del></del>	<del></del>			33433,00	Dute
0044407 004	V00540	71-43-2	Test: SW846 8010B/8020A Purge					·	
9811107-03A	X98513		Benzene	ND	mg / Kg	250	0.005	XG.1998.996-10	11/12/98
	X98513	100-41-4	Ethylbenzene	ND	mg / Kg	250	0.005	XG.1998.996-10	
	X98513	95-47-6	o-Xylene	<b>N</b> D	mg / Kg	250	0.005	XG.1998.996-10	
	X98513	· 	P/M-Xylenes	ND	mg / Kg	250	0.01	XG.1998.996-10	
	X98513	108-88-3	Toluene	ND	mg / Kg	250	0.005	XG.1998.996-10	
			Test: SW846 8015A Diesel Rang	e Organics by GO	C/FID				
9811107-03B	X98501	1	Diesel Range Organics	ND	mg / Kg	25	25	XG.1998.1009-15	11/16/98
Client Sample ID	118 #6 (	CELL :	#4		ample <b>SOII</b> atrix	<u></u>		Sample Collected	11/11/9 09:30:0
						Dilution	Detection		Run
Fraction	QC Group	CAS#		Result	Units	Factor	Limit	* Sequence	Date
	<u> </u>	<u> </u>		<del></del>	<u></u>	r actor	Limit	<u>oequence</u>	Date
9811107-04A	X98513	·	Test: SW846 8010B/8020A Purge	eable VOCs by GC		7 250	0.005	VO 1000 000 10	444000
3011107-047	X98513	71-43-2	1,2 Dichloroethane (EDC)		mg / Kg	250	0.005	XG.1998.996-13	11/12/98
	X98513	100-41-4	Benzene	ND	mg / Kg	250	0.005	XG.1998.996-13	
	X98513	95-47-6	Ethylbenzene	ND ND	mg / Kg	250	0.005	XG.1998,996-13	
	X98513		o-Xylene	ND	mg / Kg	250	0.005	XG.1998.996-13	
	X98513	108-88-3	P/M-Xylenes	ND ND	mg / Kg	250	0.01	XG.1998.996-13	
	A30313		Toluene		mg / Kg	250	0.005	XG.1998,996-13	
		,	Test: SW846 8015A Diesel Rang		C/FID			When the Manage	
9811107-04B	X98501	<u> </u>	Diesel Range Organics	ND	mg / Kg	25	25	XG.1998.1009-16	11/16/98
Client	118 #6 (	CFII:	<u> </u>	S	ample SOII	· · · · · · · · · · · · · · · · · · ·		Sample	11/11/9
Sample ID				M	atrix			Collected	09:40:0
						Dilution	Detection		Run
Fraction	QC Group	CAS#		Result	Units	Factor	<u>Limit</u>	* Sequence	<u>Date</u>
			Tanti CM/046 9040D/0020A D	- NOC- 1 OC	VD(D, E) CD				
9811107-05A	X98513	71-43-2	Test: SW846 8010B/8020A Purge	ND	mg / Kg	250	0.005	XG.1998,996-14	11/12/98
	X98513	100-41-4	Ethylbenzene	ND	mg / Kg	250	0.005	XG.1998.996-14	1112/30
	X98513	95-47-6	o-Xylene	ND ND	mg/Kg	250	0.005	XG.1998.996-14	
	X98513		P/M-Xylenes	ND	mg / Kg	250	0.01	XG.1998.996-14	
	X98513	108-88-3	Toluene	ND	mg / Kg	250	0.005	XG.1998.996-14	
		1	roidelle				1 5.500	7.5.1000.000-14	
			Test: SW846 8015A Diesel Rang	e Organics by GO	C/FID				
9811107-05B	X98501	1	Diesel Range Organics	ND	mg / Kg	25	25	XG.1998,1009-17	11/16/98

### Assaigai Analytical Laboratories, Inc.

# Certificate of Analysis

Client:

**APACHE CORPORATION** 

Project: 9811107 JICARILLA PIT CLOSURES

Client Sample ID	118 #6 (	CELL	#6	Sample Matrix	SOIL	•			Sample Collected	11/11/98 09:50:00
						Dilution	Detection			Run
Fraction	QC Group	CAS#		Result	<u>Units</u>	Factor	<u>Limit</u>	*	Sequence	Date
			Test: SW846 8010B/8020A Pt	urgeable VOCs by GC/PID	-ELCD					
9811107-06A	X98513	71-43-2	Benzene	ND	mg / Kg	250	0.005		XG.1998.996-15	11/12/98
	X98513	100-41-4	Ethylbenzene	ND	mg / Kg	250	0.005		XG.1998.996-15	
	X98513	95-47-6	o-Xylene	ND	mg / Kg	250	0.005		XG.1998.996-15	
	X98513		P/M-Xylenes	ND	mg / Kg	250	0.01		XG.1998.996-15	
	X98513	108-88-3	Toluene	ND	mg / Kg	250	0.005		XG.1998.996-15	
			Test: SW846 8015A Diesel R	ange Organics by GC/FID	)				_	
9811107-06B	X98501		Diesel Range Organics	ND	mg / Kg	25	25		XG.1998.1009-18	11/16/98

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 Client Reports
 2.0
 Report Date
 11/17/98 4:23:43 PM

<sup>\*\*\*</sup> Sample specific analytical Detection Limit is determined by multiplying the sample Dilution Factor by the listed method Detection Limit. \*\*\*

\*\*\* Results relate only to the items tested. \*\*\*

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Client Apache Corporation

# Chain of Custody Record

Project Manager/Contact Jeff Cross

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

/300 JEFFERSON, R.L. ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964

Address 2855	55 Southside	River	RD,	Ste. A	Telepho	Ste. ATelephone No. (505) 7	774-6643	_	/ S A	Analysis Required	
City / State / Zi	City/State/zip Rarmington, NM	- 1	87401-7	-7947	Fax No.	(505) 774-6624	5624				
Project Name / Number	Number				Sample	Samplers: (Signature) Chuny f	any puffer	* Journal			Remarks
Contract / Purc	Contract / Purchase Order / Quote					ı	`	7 1 6 00 10 OM	NY		
FRACTION	Fleid Sample Number / Location		: Dete	S. sert	Sample Type	Type / Size of Container Tage	Temp. Chemical				· • · · · ·
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eason		7		4	7:10	47.2	Reason		<u>-</u>	Reason	
				1					After analysis, sa	After analysis, samples are to be:	
ethod of Shipment:			- C	Comments.					N OIS	Disposed of (additional	
hipment No.			 						sto	Stored (30 days max)	
pecial instructions: _			-  - -			1			- Sto	Stored over 30 days (ad.	ree)
									_ C Ret	Returned to customer	

LABORATORY