District\_III

State of New Mexico

1000 Po Brazos Rd ... & Energy Minerals and Natural Resources Department

DEPUTY OIL & GAS INSPECTOR

JAN 27 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 REPOR

19	Cuft	·		OIL CON. DIV.							
Operator: Apa	ache Corporation \ MW Petr	roleum		Telephone	):	505-325-0	97. 3 318				
Address: <b>285</b> 5	5 Southside River Road, S	uite A, Farn	nington, NN	/ 87401		·					
Facility or Well	Name:	Jic Apache Tribal 396 #3 Pit #1									
Location: Unit	t or Qtr/Qtr Sec	NE/NW	Sec 8	T 23 N	R 3W	_County	Rio Arriba				
Pit Type: Sep	parator:	_ Dehydrato	r	_Other	Blow Pit						
Land Type:	Jicarilla Tribal										
	Beginning Pit Dimensions:	Length	30'	Width	30'	' Depth	4'				
Pit Location:	Ending Pit Dimensions:	Length		-		- ·					
(Attach diagram	n) Reference:	Wellhead	XX	Other			<del></del>	į			
	Footage from reference:		220		-						
	Direction from reference:		150	Degrees	X	_East	North				
						of _West	South _	XX			
Depth To Grou	undwater:	<del></del>	<del></del>	Less than	50 feet		(20 points)				
(vertical distance fr	rom			50 feet to 9			(10 points)				
contaminants to se				Greater tha	an 100 feet		( 0 points)	0			
high water elevation groundwater)	n of	w.									
Wellhead Proto						Yes	(20 points)				
B	feet from a private source, or; less than					No	( 0 points)	0			
B.	all other water sources)										
Distance To Si				Less than 2			(20 points)				
	ance to perennial ivers, streams, creeks,		•	200 feet to		.1	(10 points)				
irrigation canals	•			Greater the	an 1000 fee	Æ	( 0 points)	0			
	,			RANKING	SCORE (T	OTAL POIN	ITS)	0			

Date Remediation Star	ted:	5/13/97		Date Comple	eted:	5/16/97	
Remediation Method:		Excavation	XXX	_Approx. cubi	c yards	590	
(Check all appropriate sections)	Landfarmed		XX	Insitu Biorem	nediation		
		Other					
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)	:	Onsite	XX	Offsite _			
General Description of	Remedial Action:		Excavate	pit to 13', to	ok pit readings	s. Spread soil on	
location for	remediation. Took	soil samp	les				
Groundwater Encoun	tered:	No	X	<u>X</u> Yes		Depth	
Final Pit:	Sample location		4 point con	nposite sample	taken 8 to 10" into	pit sidewalls,	
Closure Sampling:		1 noint a			pit bottom cen		
(in multiple samples, attach sample results							
and diagram of sample locations and depths)	Sample depth	13'			walls 10" into pit bottom		
	Sample Date Sample results		5/16/9	7	Sample Time	1:00PM	
	Benzene		(ppm)	ND			
	Total BTEX	έŝ	(ppm)	ND			
	Field Headspace		(ppm)	6.06			
	ТРН			ND\Sides 290\BTM			
Groundwater Sample		Ye		_ No		res attach sample results)	
I HEREBY CERTIFY T KNOWLEDGE AND B		ATION ABO	OVE IS TRU	JE AND COM	PLETE TO THI	E BEST OF MY	
DATE	August 10,1998		PRINTE	D NAME	Jeff Cross		
SIGNATURE	y los		AND TIT	TLE	Project Manag	ger	

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District III 1000 Rio Brazos Rd Aztec, NM 87410

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

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

### **OIL CONSERVATION DIVISION**

2040 S. PACHECO Santa Fe, New Mexico 87505

## PIT REMEDIATION AND CLOSURE REPORT

Operator: Apache Corporation \ MW Petroleum					Telephone: 505-325-0318						
Address:	2855 South	side River Road, S	uite A, Farn	nington, N	M 87401						
Facility or	Well Name:		Jic Apach	e Tribal 3	96 #3 Pit #	2					
Location:	Unit or Qtr/Q	tr Sec	NE/NW	Sec 8	T 23 N	R	3W	_Cour	nty	Rio Arriba	1
Pit Type:	Separator:	XX	_Dehydrator	r	_Other			_			
Land Type		Jicarilla Tribal									<b>-</b>
	Beginnir	ng Pit Dimensions:	Length	15	' Widtl	h	15	<u> </u>	Depth	4	
Pit Location: (Attach dia		g Pit Dimensions:	Length	20	<u>'</u> Width	h	20	<u>.</u> [	Depth	14'	<u>.</u>
() Maon ala	Referen	ce:	Wellhead	XX	_Other						_
	Footage	from reference:		110	)	_					
	Direction	n from reference:		183	_Degrees			_East		North	
							X	_West	of	South	XX
Depth To (	Groundwater				Less than	50 for				(00 :- 1 -)	
vertical distar					50 feet to					(20 points) (10 points)	
contaminants	to seasonal				Greater th					( 0 points)	0
high water ele	vation of									( o points)	
groundwater)			3								
Wellhead F	rotection A	ea:						Yes		(20 points)	
(Less than :	200 feet from	a private						No		(0 points)	0
	ater source, o om all other v	or; less than vater sources)								( o pointo)	
	o Surface W				Less than					(20 points)	
	distance to po s, rivers, stre			•	200 feet to					(10 points)	
	s, rivers, site nals and ditcl				Greater that	an 100	00 fee	t		( 0 points)	0
					RANKING	SCO	RE (TO	OTAL I	POIN	TS)	0

Date Remediation Star	ted:	6/3/97		Date Comple	eted:	6/5/97
Remediation Method:		Excavation	XXX	Approx. cub	ic yards	210
(Check all appropriate sections)	Landfarmed		XX	Insitu Biorer	nediation	
		Other				
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)	:	Onsite	XX	Offsite _		
General Description o	f Remedial Action:		Excavate	pit to 14' , to	ok pit readings	s. Spread soil on
location for	remediation. Took	soil samp	les.			· · · · · · · · · · · · · · · · · · ·
<del>_,</del>		<u></u>				
				<del>,</del>		
Groundwater Encoun	tered:	No	<u> </u>	Yes_		Depth
Final Pit:	Sample location		4 point con	posite sample	taken 8 to 10" into	pit sidewalls,
Closure Sampling: (in multiple samples,		1 point gr	ab sample	taken from	pit bottom cent	ter.
attach sample results and diagram of sample	Sample depth	14'	8 to 10" i	nto pit sidev	/alls 10" into pi	t bottom
locations and depths)	Sample Date Sample results		6/5/9	7	Sample Time	11:00 A.M.
	Benzene		(ppm)	ND		
	Total BTEX	٨	(ppm)	ND		
	Field Headspace		(ppm)	3.94		
	ТРН			ND\Sides		
Groundwater Sample		Ye		_ No	` `	es attach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND B		ATION ABO	VE IS TRU	E AND COM	PLETE TO THE	BEST OF MY
DATE	August 10,1998		PRINTE	NAME	Jeff Cross	
SIGNATURE	Up Cron		_AND TIT	LE	Project Manag	jer

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

### PIT REMEDIATION AND CLOSURE REPORT

Operator:	Apacl	he Corporatio	n		Telephone 505-325-0318						
Address:	2855	Southside Ri	ver Road, Sui	te A, Farmir	gton, NM	87401					
Facility or <b>W</b>	ell Nar	me:	JAT 396 #	3 PIT#1			·				
Location:	Unit	or Qtr/Qtr Se	c <u>NE/NW</u>	Sec 8	T 23 N	R 3W	County	Rio Arriba			
Pit Type:	Sepa	ırator:	Dehydrato	or	Other	BLOW PIT					
Land Type:	Jicari	illa Tribal									
Pit Location: (Attach diagr	am)	Pit Dimensio	_		Width	35'	Depth	13'			
		Reference:	Wellhead		Other						
		Footage from Direction from			Degrees	X	East	North _			
							of _West	South _	xx		
Depth To G (vertical distance contaminants to high water eleva	e from seasona				Less than 50 feet to Greater th			(20 points) _ (10 points) _ ( 0 points) _	0		
groundwater)  Distance to	an Ep	phemeral Str wash greater			Less than Greater th	100 feet aan 100 feet		(10 points) _ ( 0 points) _			
Distance to (Downgradie	Neard		<b>ya, or Waterir</b> d nds)		Less than Greater th	100 feet nan 100 feet		(10 points) _ ( 0 points) _	0		
domestic wa	200 fee ater so	tion Area: et from a priva ource, or less other water s	than			Yes No		(20 points) _ ( 0 points) _			
(Horizontal	distand s, rive	face Water: ce to perennia				100 feet to 1000 feet han 1000 fe		(20 points) (10 points) ( 0 points)	0		
irrigation ca	inais a	na aitches)			RANKING	SCORE (1	TOTAL POI	NTS) _	0		

Date Remediation Starte	d: 5/13/97		Date Completed:	5/16/97	
Remediation Method:	Excavation	XXX	Approx. cubic yards	590	
(Check all appropriate sections)	Landfarmed	XX	Insitu Bioremediation		
••••••••••••••••••••••••••••••••••••••	Other				
Remediation Location: (i.e. landfarmed onsite,	Onsite	XX	Offsite		
name and location of offsite facility)					
General Description of	Remedial Action:		EXCAVATE PIT TO 1	3', TOOK PID READING	GS.
SPREAD S	OIL ON LOCATION F	OR REMIE	DIATION. TOOK SOIL	SAMPLES .	
Groundwater Encounte	red: No	X	Yes	Depth	
Final Pit: Closure Sampling: (in multiple samples,	Sample location		mposite taken from pit ab sample taken from p		
attach sample results and diagram of sample locations and depths)		13' 5/16/97	_		
Sample Da Sample re	•	3/10/97	Gample :		
Soil:	Benzene	(ppm)	ND Water:	Benzene (ppb)	NA
	Total BTEX	(ppm)	ND	Toluene (ppb)	NA
	Field Headspace	(ppm)	6.06 Et	hylbenzene (ppb)	NA
	трн	(ppm)	290-RTM	otal Xylenes (ppb)	NA_
Groundwater Sample:	Ye	s		(If yes attach sample i	results)
I HEREBY CERTIFY THE KNOWLEDGE AND BE		ION ABOV	E IS TRUE AND COM	PLETE TO THE BEST (	OF MY
DATE	7/13/98			JEFF CROSS	
SIGNATURE	/ U				
AFTER REVIEW OF THE JICARILLA APAC	HE PIT CLOSURE INF HE TRIBE PIT CLOS	URE ORDI	N, PIT CLOSURE IS A NANCE.	APPROVED IN ACCOR	DANCE TO
APPROVED: YES	S_XN	ο	(REASON)		
SIGNED:	C Mal			- 29 - 98	

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

### PIT REMEDIATION AND CLOSURE REPORT

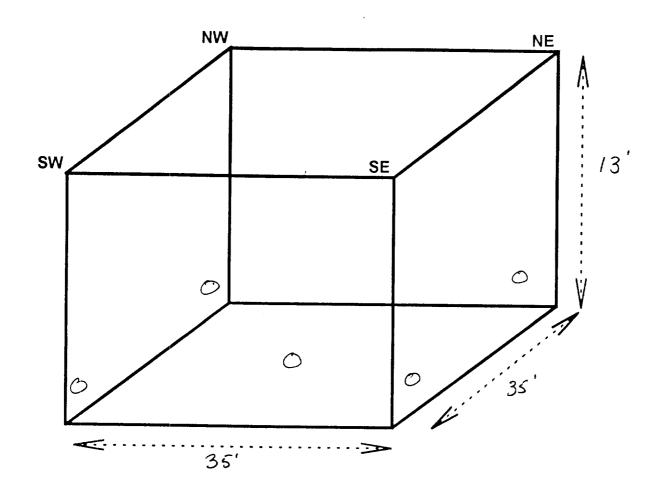
Operator:	Apache Corporation Telephone 505-325-0318									
Address:	2855	Southsi	de River	Road, Sui	te A, Farmi	ngton, NM	87401			
Facility or W	ell Na	me:		JAT 396 #	3 PIT#2					
Location:	Unit	or Qtr/Qt	tr Sec	NE/NW	Sec 8	T 23 N	R 3W	_County	Rio Arriba	
Pit Type:	Sepa	arator:	XX	_Dehydrato	or	_Other				
Land Type:	Jica	rilla Triba	al							
Pit Location: (Attach diagr	.am)	Pit Dime	ensions:	Length	n <u>20'</u>	_ Widtl	n <u>20'</u>	_ De	epth 14'	
(Attach diagr	aiii)	Referen	ice:	Wellhead	XX	_Other				
		Footage	e from re	ference:	110	)	<del></del>			
		Directio	n from re	eference:	183	_Degrees		_East	North _	
							X	West	South _	XX
Depth To G	roun	dwater:	( * <del>,</del>		· · · · · · · · · · ·	Less than	50 feet		(20 points)_	
(vertical distance						50 feet to			(10 points)	0
contaminants to	seasor	nal				Greater th	nan 100 fee	et	( 0 points) _	<u> </u>
high water eleva groundwater)	tion of									
Distance to	an F	phemera	al Stream	n:		Less than	100 feet		(10 points)	
(Downgradie							han 100 fee	et	( 0 points)	
ten feet in w	-									
D: .4	<b>N</b> 1	4 !	Diana	or Wotorin	a Dondi	Loce than	100 feet		(10 points)	
Distance to (Downgradie				or waterin	ig Poliu:		han 100 fee	et	( 0 points) _	0
livestock or				)					· · · · · -	. ,
ļ <u> </u>							V	NC .	(20 points)	
Wellhead P (Less than 2							Υє	io	( 0 points)	
domestic wa			•	1				. •	(	
1000 feet fro										
Distance To	~ C··-	face Wist	lar.			l ess that	n 100 feet		(20 points)	
(Horizontal							to 1000 fee	t	(10 points)_	
lakes, ponds		•		ks,			han 1000 f		( 0 points)	0
irrigation ca	nals a	and ditche	es)			RANKIN	G SCORE	(TOTAL F	POINTS) _	0

Date Remediat	ion Start	ed: <u>6/3</u>	3/97		Date Com	oleted:		6/5/97	
Remediation N		Excavation	on	xxx	Approx. cu	bic yards		210	
(Check all approsections)	opriate	Landfarm	ned	XX	Insitu Biore	emediation			
		Other				-		·	·
Remediation L (i.e. landfarmed name and locat offsite facility)	l onsite,	On	site	XX	Offsite				
General Descr	iption of	Remedial Action:			EXCAVAT	E PIT TO 1	4', TOOK F	PID READIN	GS.
S	PREAD S	SOIL ON LOCATIO	N FO	R REMID	IATION. TO	OOK SOIL	SAMPLES .		
Groundwater I	Encounte	ered:	No_	Х	_ Yes		Depth		
Final Pit:		Sample location	4	point cor	nposite tak	en from pit	sidewalls	· ····	
Closure Samp (in multiple sam	nples,						it bottom ce		
~	sample	Sample depth		14'	_				
	eptns) ample Da ample re	4		6/5/97	<u></u>	Sample Ti	me	11:00AM	<del></del>
S	oil:	Benzene	(t	opm)	ND	_Water:	Benzene	(ppb)	NA
		Total BTEX	(k	opm)	ND	-	Toluene	(ppb)	NA
		Field Headspace	(t	pm)	3.94	_ Eth	ylbenzene	(ppb)	NA
		TPH	(t	opm)	ND-SIDES		al Xylenes	(ppb)	NA
Groundwater :	Sample:		Yes_				_(If yes atta	ich sample r	esults)
		AT THE INFORMA	TIOIT	ABOVE	IS TRUE A	ND COMP	LETE TO T	HE BEST (	OF MY
KNOWLEDGE DATE	AND BE		ь	DINTER	NIA RAE		IEEE CDC	nee	
	7	7/13/98 // Cwz						733	
	_/_/_(	/ ()							
		E PIT CLOSURE I IE TRIBE PIT CLO				SURE IS A	PPROVED	IN ACCORE	ANCE
APPROVED:	YES	<u> </u>	NO_		_(REASON	)			
	,		$\alpha$						
	. 1	C Mann	1/11						

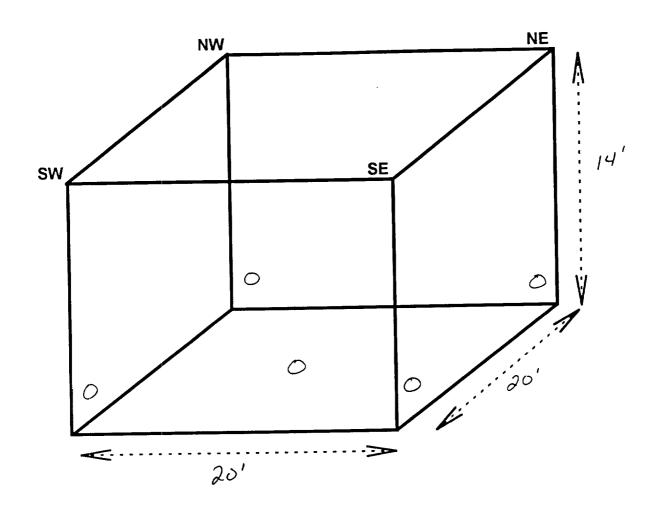
# APACHE CORPORATION/FAL NGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

		Jicarilla Apache Tribal EPO/OCD/BLM
LOCATION	JAT 396 # 3	Review and Approval
	<del></del>	OCD-BLM
PIT COUNT	2	EPO Representative
	•	Date of Review

		<del></del>	H		Excavati	on		]	
DIMENS	SIONS	START:PIT#	1 5/13/97 PIT	# 2 6/3/97	FINISH:	PIT #1 5/16/97	PIT # 2 6/5/97		
	W	L	D			W	L	D	CU YDS
Pit 1	30'	30'	4'	Pit 1		35'	35'	13'	590
Pit 2	15'	15'	4'	Pit 2		20'	20'	14'	210
Pit 3				Pit 3					
		Pit 1 @ 8'	Pit 1 @ 12'	Pit 1 @ 13'			Pit 2 @ 8'	Pit 2 @ 10'	Pit 2 @ 14'
	Center	1100	260	15		Center	1200	360	6.7
P	NW Corner	900	20	0.6	ρ	NW Corner	1400	250	3.3
1	NE Corner	1400	195	9.5	1	NE Corner	1700	260	4
Ð	SW Corner	900	340	1.6	l b	SW Corner	1100	210	2.1
	SE Corner	1400	450	30	1	SE Corner	1400	300	3.6
NOTES	<del></del>	<del>/</del>		<u> </u>					
	5/13/97 STAF	RT EXCAVATI	ON ON PIT#	1 , SLIGHT OF	OR DETE	CTED, HEAV	Y GREY STAII	VING TO 6'.	
				INUE EXCAVA		· · · · · · · · · · · · · · · · · · ·			
				GS HIGH . CO		XCAVATION.			·
··				GS STILL A LI				STAINING.	
				NGS GOOD. TA					S.
			,						
	6/3/07 STAD	TEYCAVATIO	NI ON DIT # 2	HEAVY ODOF	TP CIVA	AINING @ 6'	EXCAVATE TO	S PID REAL	DINGS HIGH
				INGS A LITTLE					
				EADINGS GOO					
	0/3/9/ EACA	VATE DOVVIN	TO 14 PID K	ADINGS GOC	D. NO C	DOK OK STA	IIVIIVG. TOOK	SOIL GAIVII . V	SCITIO AGO
		5/40/07	0/5/07		1110				
		5/16/97	6/5/97	SOIL SAMP		UC DECLUITO		PER LAB	ASSAIGA
***********		Pit 1 @	Pit 2 @	Pit 3 @		IS RESULTS	DETEV		
	Center	28	6.7		PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner	0.6	3.3	-	NO	SIDE\BTM	SIDE\BTM		F (0.0.40.7)
1	NE Corner	0.3	4	ļ	1	ND\290	ND/ND	JEFF C.	5/20/97
D	SW Corner	0.5	2.1		2	ND\ND	ND/ND	JEFF C.	6/11/97
	SE Corner	0.9	3.6		3				l
					_	(S) SAMPLE			
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANALYS	IS RESULTS		PER LAB	
	Center				PIT	TPH	BETEX	WITNESS	<del></del>
P	NW Corner			<u> </u>	NO				DATE
1	NE Corner				1	************************	ı		DATE
D	SW Corner								DATE
		1		1	2				DATE
	SE Corner	1			<del></del>				DATE
	SE Corner			RE-SAMPLE	2 3	(S) SAMPLE			DATE
DATE:	SE Corner	Pit 1 @	Pit 2 @		2 3 OR CELL	(S) SAMPLE		PER LAB	DATE
DATE:	×1	Pit 1 @	Pit 2 @	RE-SAMPLE Pit 3 @	2 3 OR CELL ANALYS	SIS RESULTS	BETEX	<del></del>	
	Center	Pit 1 @	Pit 2 @		2 3 OR CELL ANALYS		BETEX	PER LAB WITNESS	DATE
P	Center NW Corner	Pit 1 @	Pit 2 @		2 3 OR CELL ANALYS PIT NO	SIS RESULTS	BETEX	<del></del>	
P I	Center NW Corner NE Corner	Pit 1 @	Pit 2 @		2 3 OR CELL ANALYS PIT NO 1	SIS RESULTS	BETEX	<del></del>	
Р	Center NW Corner	Pit 1 @	Pit 2 @		2 3 OR CELL ANALYS PIT NO	SIS RESULTS	BETEX	<del></del>	

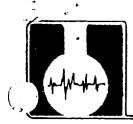


WELL NAM	ME	= SAMPLE AREA
SAMPLE D		<del></del>
NOTES	4 POINT COMPOSITE SAMPLE TAKEN 8" TO 10	)" INTO PIT
	SIDEWALL	
	1 POINT GRAB SAMPLE TAKEN 10" TO 12" INT	O BOTTOM CENTER
·		
•		
•		
-		
-		
-	·	
-		
-		



				= SAMPLE AREA
WELL NAM	ΛE	JAT 396#3 PIT	#2	
SAMPLE D		6-5-97		
NOTES	4 POIN	COMPOSITE SAMPLE	TAKEN 8" TO 1	O" INTO PIT
	SIDEW	ALL 3		
	1 POIN	T GRAB SAMPLE TAKE	N 10" TO 12" IN	TO BOTTOM CENTER
		_		

 $C_{i}^{\pm}$ 



## ASSAIG( ANALYTICAL LABORATORIES, INC.

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:
May 28, 1997 12:50

CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

ATTN: JEFF CROSS

WORKORDER # : 9705183

WORK ID : JICARILLA PIT CLOSURES

CLIENT CODE : APA01 DATE RECEIVED : 05/20/97

Page: 1

Lab ID: 9705183-01A

Sample ID: JAT 396 #3 PIT 1 SIDES

**Collected:** 05/16/97 13:00:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_ <b>F</b>	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND	mg/Kg	0.0010	500	05/20/97	SBTXME164
	ND	mg/Kg	0.0010	500	05/20/97	SBTXME164
	ND	mg/Kg	0.0010	500	05/20/97	SBTXME164
	ND	mg/Kg	0.0020	500	05/20/97	SBTXME164
	ND	mg/Kg	0.0010	500	05/20/97	SBTXME164

Lab ID: 9705183-01B

Sample ID: JAT 396 #3 PIT 1 SIDES

Collected: 05/16/97 13:00:00

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	50	1.0	05/22/97	SDRO27

Lab ID: 9705183-02A

Sample ID: JAT 396 #3 PIT 1 BOTTOM

**Collected:** 05/16/97 13:15:00

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	0.0010	500	05/20/97	SBTXME164
	ND	mg/Kg	0.0010	500	05/20/97	SBTXME164
	ND	mg/Kg	0.0010	500	05/20/97	SBTXME164
	ND	mg/Kg	0.0020	500	05/20/97	SBTXME164
	ND	mg/Kg	0.0010	500	05/20/97	SBTXME164



Page: 2

L. D: 9705183-02B Sample ID: JAT 396 #3 PIT 1 BOTTOM

**Collected:** 05/16/97 13:15:00 **Matrix:** SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	290	mg/Kg	50	1.0	05/22/97	SDRO27

William P. Biava President

### **WORKORDER COMMENTS**

DATE : 05/28/97

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



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

JUN 24 1991

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:

June 13, 1997 17:02

**CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE** 

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER # WORK ID

: 9706073

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED : 06/09/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706073-01A

Sample ID: JAT 396 #3 PIT #2 SIDES

Collected: 06/05/97 11:00:00

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	0.0010	500	06/11/97	SBTXME168
	ND	mg/Kg	0.0010	500	06/11/97	SBTXME168
	ND	mg/Kg	0.0010	500	06/11/97	SBTXME168
	ND	mg/Kg	0.0020	500	06/11/97	SBTXME168
	ND	mg/Kg	0.0010	500	06/11/97	SBTXME168

**Lab ID:** 9706073-01B

Sample ID: JAT 396 #3 PIT #2 SIDES

**Collected:** 06/05/97 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	50	25	06/12/97	SDRO32

**Lab ID:** 9706073-02A

Sample ID: JAT 396 #3 PIT #2 BOTTOM

Collected: 06/05/97 11:30:00

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	0.0010	500	06/13/97	SBTXME169
	ND	mg/Kg	0.0010	500	06/13/97	SBTXME169
	ND	mg/Kg	0.0010	500	06/13/97	SBTXME169
	ND	mg/Kg	0.0020	500	06/13/97	SBTXME169
	ND	mg/Kg	0.0010	500	06/13/97	SBTXME169



I D: 9706073-02B Sample ID: JAT 396 #3 PIT #2 BOTTOM

**Collected:** 06/05/97 11:30:00 **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	50	25	06/12/97	SDRO32

mand 8. med

William P. Biava President

### **WORKORDER COMMENTS**

DATE : 06/13/97 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"

 $\overline{N}T$  = 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 Custrdy Record

Project Manager / Contact <u>Jeff - Cros</u>s-

ALBUQUERQUE, NEW MEXICO 871000 (505) 345-8964

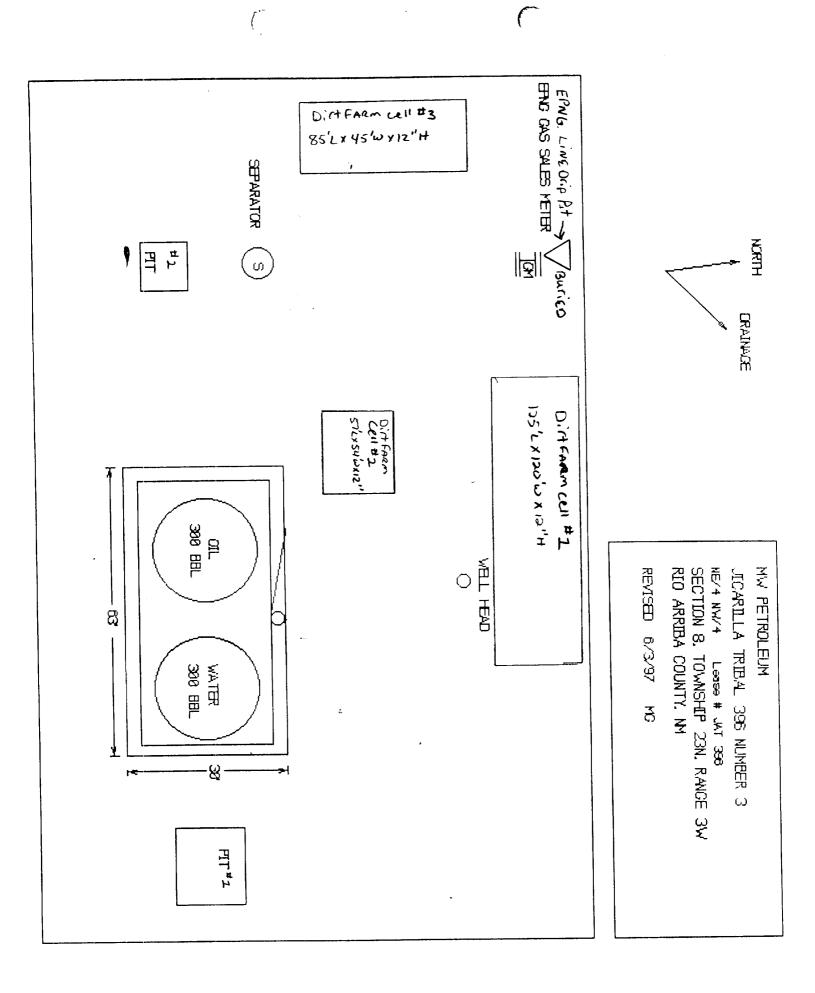
3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-6000

1910 N. BIG SPRING MIDLAND, TEXAS 79705 (915) 570-1116

MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIMUAHUA MEXICO 32320

Analysis Required

Address 304	04 N. Behrend			Telept	Telephone No. (505) 7	774-6643		-	Analysis Required		
City / State /	City/State/ZipEarmington, NM 87401	101		Fax K	F8X NO. (505), 774-6624			/ /	////		4
Project Nam	Project Name / Number JICARILLA PIT	PIT CLOSURES	URES		Samplers: (Signature)	200101	7 POT		/ /	Remarks	
Contract / Pu	Contract / Purchase Order / Quote					No. 01 Co	1000 1000 1000 1000 1000 1000 1000 100				
AAL FRACTION MUNBER	Fleid Sample Number / Location	Date	Thme	Sample Type	Type / Size of Container	Preservation Temp. Chemical					*
(A	JAT 396# 3 P.1 #3 S. des 6-5-97		1.95 00111	20'.1	402 61035	78 ICE 117					
(B	٦		-			) / /	\				
2A	147396 #3P: F#2 Bottem		bx ://								
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							Afte	After analysis, samples are to be:	ples are to be:		
lethod of Shipment:	afta	T	Comments:					Dispos	Disposed of (additional fee)	•	-
hipment No.		<u> </u> 						Stored	Stored (30 days max)		
pecial instructions: _	15;	 					-		Stored over 30 days (additional fee)	ional fee)	
								□ Return	Returned to customer		



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

### ON-SITE SOIL REMEDIATION REPORT

Operator: N	I W PETI	ROLUEM			Telephone	·	505-325-0	0318	.,
Address:		2855 SOUTHS	SIDE RI	VER ROAD	/SÜITE A/	FARMING	TON, N.M.	87401-7947	
Facility or Well	Name:	JA	T 396#	3 CELL#	1				
		/Qtr Sec N			**	R 3W	County	RIO ARRI	BA
Land Type _		JIC. TRIBAL							
Date Remedia	tion Starte	ed: 5	/13/97		Date Com	ipleted:		6/10/98	
Remediation M	Method:	Landfarmed		XXX	_Approx. c	ubic yards		555	
		Composted			_				
		Other			SOIL TO	BE PUT BA	ACK IN PIT	· ·	
Depth to Grou	ndwater:		(pts)	00		Final Clo	sure Sam	pling	
Distance to an	Epheme	ral Stream:	(pts)	00	Sampling	Date:	6/10/98	Time:	10:10AM
Distance to Ne or Watering P		ce, Playa,	(pts)	00	Sample F		0		
Wellhead Prof	tection Ar	ea:	(pts	0		pace (ppm) (ppn		— Method	M8015
Distance To S	surface W	ater:	(pts	00	İ			D20A (NI	 D)
RANKING SC	ORE (TO	TAL POINTS)		0	-				
I HEREBY CE KNOWLEDGI		HAT THE INFO	RMATI	ON ABOVE	IS TRUE	AND COMF	PLETE TO	THE BEST	OF MY
DATE:		7/13/98	<del></del>	_PRINTE	NAME		JEFF C	ROSS	
SIGNATURE		eff le	3	_TITLE		PROJEC	T MANAC	SER	··
AFTER REVI	EW OF T	HE SOIL REMI HE JICARILLA	EDIATION APACHE	ON INFORM	MATION. C T CLOSUF	ON-SITE RE	MEDIATION	ON IS APPR	OVED IN
APPROVED:	YE	s X	N	ο	_(REASO	N)	o as	Back	(ul
SIGNED:	Loc	C Man	el	DATE:	<u></u>	29-9	У		

553992

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

## ON-SITE SOIL REMEDIATION REPORT

Operator:	M W PETF	ROLUEM			Telephone	505-325-0318
Address:		2855 SOUT	HSIDE RIV	ER ROAD	/SUITE A/FARMING	GTON, N.M. 87401-7947
Facility or We	ell Name:		JAT 396 # 3	CELL#2		
						County RIO ARRIBA
Land Type		JIC. TRIBA	AL		· · · · · · · · · · · · · · · · · · ·	
Date Remedi	iation Starte	ed:	5/13/97		Date Completed:	6/10/98
Remediation						s <u>114</u>
		Composted	i		-	
		Other			SOIL TO BE PUT	BACK IN PIT.
Depth to Gro	oundwater:		(pts)	0	Final C	Closure Sampling
Distance to a		ral Stream:	(pts)	0	Sampling Date:	6/10/98 Time: 10:20AM
Distance to l or Watering		ke, Playa,	(pts)	0	Sample Results: Field Headspace (ppm)	0
Wellhead Pr	rotection Ar	ea:	(pts)	0		pm) <u>ND</u> Method <u>M8015</u>
Distance To	Surface W	/ater:	(pts)	0		\SW846,8020A (ND)
		OTAL POINT		0		
I HEREBY (			FORMATIO	ON ABOVE	IS TRUE AND CO	MPLETE TO THE BEST OF MY
DATE:		7/13/98	3	PRINTED	NAME	JEFF CROSS
SIGNATUR	<del>//-</del>	1917	Wn	_TITLE		ECT MANAGER
AFTER RE	VIEW OF T	THE SOIL RE	_A APACHE	TRIBE PI	T CLOSURE ORDII	. / 🗓
APPROVE	D: YE	s_X_	_ NO	o	(REASON) was	e as Backfill
SIGNED:	Lie	i CM	and	DATE:	7-29-9	14

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

## ON-SITE SOIL REMEDIATION REPORT

					<u> </u>				
operator:	M W PETF	ROLUEM			Telephoi	ne	505-325-	0318	
ddress:		2855 SOU	THSIDE RI	VER ROAD	/SÜITE	A/FARMIN	GTON, N.M.	87401-7947	
Facility or W	ell Name:		JAT 396#	3 CELL#3	; : 				
_ocation:				Sec 8	•	R 3W	County	RIO ARR	IBA
_and Type		JIC. TRIE	AL		§ .				
					3			0/40/08	
Date Remed	liation Starte	e <u>d:</u>	5/13/97		Date Co	mpleted:		6/10/98	
Remediation	Method:	Landfarm	ed	xxx	Approx.	cubic yard	is	142	
		Composte	ed		-				
		Other			SOIL T	O BE SPR	EAD ON LO	CATION.	
Depth to Gr	oundwater:		(pts	s) <b>0</b>		Final (	Closure Sam	pling	
	an Epheme	eral Stream:		s) 0	]  Sampli	ng Date:	6/10/9	8_Time:	10:30AM
	Nearest La		(pts	<del></del>	Sample	e Results:			
or Watering		, , , ,,		0	Field Hea	adspace (ppm	)0_		
Wellhead F	Protection A	rea:	(pt	s) <u> </u>			opm) 640		M8015
Distance T	o Surface W	/ater:	(pt	s)0	1		\ SW846 , 8		
RANKING	SCORE (TO	NOG JATC	ITS)	0	<b>↓</b> ઁ	(110. <u>5.1.1.</u>			
I HEREBY	CERTIFY 1	HAT THE	NFORMAT	ION ABOVE	IS TRU	E AND CC	MPLETE TO	THE BEST	OF MY
KNOWLED	GE AND B						ICCC	CROSS	
DATE:		7/13/	98	PRINTE					
SIGNATUI		<del>/ ~ (/) ~</del>	w	<del></del>			JECT MANA		201/50 111
AFTER RE	EVIEW OF	THE SOIL F	REMEDIATI	ON INFORM LE TRIBE PI	MATION T CLOS	ON-SITE	REMEDIAT	ION IS APPI	VOAFD IN
APPROVE		ES X	1	NO	(REA	SON)	10 80c	- Khil	<u> </u>
SIGNED:	X	<del>u</del> ()	Ma-	DATE:		-29-	98		

# M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE	***************************************	JAT 396 # 3 🖟		_	
* AMOUNT OF SOIL UND	ERGOING	REMEDIATION	800	_Yds.	
		<b>30</b>	SampDATE	TPH	BTEX
CELL No. 1		***	6/10/98	ND	ND
		7. 19 <u>8</u>			
DIMENSIONS(LxWxH)	125' X 1	20' X 12"			ļ
CELL LOCATION (die from wo	II bood	NODTH			ļ
CELL LOCATION (dir. from we	n nead	NORTH			
* DATE BEGAN:5/13/9	97	_			
DATE TERMINATED (TPH <5,	000 ppm/BT	EX< 50 ppm/Benzene < 10 pp	om) 6/10/98	3	_
1 1			SampDATE	TPH	BTEX
CELL No. 2			6/10/98	ND	ND
DIMENSIONS(LxWxH)	57' X 54	l' X 12"			
OF LANGUAGE					ļ
CELL LOCATION (dir. from we	li head	SOUTH		<b>_</b>	
* DATE BEGAN: 5/13/9	97			-	
DATE TERMINATED (TPH <5,	000 ppm/BT	EX< 50 ppm/Benzene < 10 pp	om) <u>6/10/98</u>	3	_
			SampDATE	TPH	BTEX
CELL No. 3			6/10/98	640	ND
			0.10,00	1	
DIMENSIONS(LxWxH)	85' X 45	5' X 12"			
, ,					
CELL LOCATION (dir. from we	ll head	EAST			
* DATE BEGAN: 5/13/9	97			_i	
DATE TERMINATED (TPH <5,	000 ppm/BT	EX< 50 ppm/Benzene < 10 pp	om)6/10/98	3	-
REMEDIATION RECORD: (Da	te, Treatmer	nt, Tilling)			
5/16/97 TREAT CELLS # 1 AN	D 2 WITH 4	6-0-0 FERTILIZER,WATER,PL		•	
6/9/97 TREAT CELL # 3 WITH					
7/11/97 PLOW AND TILL ALL	CELLS.				
8/14/97 WATER,PLOW AND T		LLS.			
4/28/98 PLOWED ALL CELLS.					
4/29/98 TILL ALL CELLS.					
6/2/97 PLOW ALL CELLS.			·		
6/3/98 TILL ALL CELLS.					

From excavation reports.

= SAMPLE AREA 0  $\bigcirc$ 0  $\Diamond$ ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 14 point composite somple 0 JAT 396#3 Cell#1 0 0 ٥ 0 SAMPLE DATE: DIMENSIONS: WELL NAME: 0 NOTES:

= SAMPLE AREA JAT 396#3 Cell#2 57 x54 x12" SAMPLE DATE: DIMENSIONS: WELL NAME:

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ALL SAMPLES TAKEN 10" TO 12" INTO CELL.	8 point Composite Somple	
NOTES:		

= SAMPLE AREA JAT 396#3 Cell #3 85-01-9 SAMPLE DATE: DIMENSIONS: WELL NAME:

85' x45'x12"

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ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 8 point composite Surple NOTES:

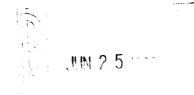


### ASSAIGAI ANALYTICAL LABORATORIES, INC.

7300 Jefferson, NE • 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 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 defected 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: 9806176

**JICARILLA** 

M Mach Andrical Appropries

lient ample ID	JAT 396	#3 CE	ELL #1	Sar Ma	nple SOIL				Sample Collected	06/10/98 10:10:00
-						Dilution	Detection			Run
raction	QC Group	CAS#		Result	<u>Units</u>	<u>Factor</u>	<u>Limit</u>	* <u>Seg</u>	uence	<u>Date</u>
			SW846-8010/8020 Volatiles							
306176-01A	X98326	71-43-2	Benzene	ND	mg/Kg	50	0.005	XG.1	1998.535-4	06/15/98
	X98326	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005	XG.1	1998.535-4	
	X98326	95-47-6	o-Xylene	ND	mg/Kg	50	0.005	XG.1	1998.535-4	
	X98326		P/M-Xylenes	ND	mg / Kg	50	0.01	XG.1	1998.535-4	
	X98326	108-88-3	Toluene	ND	mg / Kg	50	0.005	XG.1	1998.535-4	
			SW846-8015 Modified TPH							
06176-01B	X98328		Diesel Range Organics	ND	mg / Kg	25	25	XG.1	1998.556-7	06/20/98
			<u>                                     </u>					—		
lient ample ID	JAT 390	6 #3 CI	ELL #2		mple SOIL	-			Sample Collected	06/10/98 10:20:00
lient ample ID	JAT 396	6 #3 CI	ELL #2			Dilution	Detection			
ample ID	JAT 396	6 #3 CI	ELL #2				Detection <u>Limit</u>	* <u>Se</u>		10:20:0
ample ID			ELL #2	Ma	itrix 3012	Dilution			Collected quence	10:20:00 Run <u>Date</u>
ample ID				Ma	itrix 3012	Dilution		XG.	Collected  quence	10:20:00 Run
raction	QC Group	CAS#	SW846-8010/8020 Volatiles	Result	<u>Units</u>	Dilution Factor	Limit	XG.	Collected quence	10:20:00 Run <u>Date</u>
raction	QC Group	<u>CAS #</u>	SW846-8010/8020 Volatiles Benzene	Result ND	Units mg/Kg	Dilution Factor	<u>Limit</u>	XG.	Collected  quence	10:20:00 Run <u>Date</u>
	QC Group X98326 X98326	CAS #	SW846-8010/8020 Volatiles  Benzene  Ethylbenzene	Result  ND ND	Units  mg/Kg  mg/Kg	Dilution Factor	0.005 0.005	XG.	Quence 1998.535-7	10:20:00 Run <u>Date</u>

9806176-02B

Page 1 of 2

Diesel Range Organics

Coyote Reports

ver 1.1 / 980406

mg / Kg

Report Date

6/24/98 9:57:32 AM

XG.1998,556-8

06/20/98



X98328



ND

### Assaigai Analytical Laboratories, Inc.

### Certificate of Analysis

Client:

**APACHE CORPORATION** 

Project: 9806176

806176 JICARILLA

Client Sample ID	JAT 396	6 #3 C	ELL #3		mple SOIL atrix	,			Sample Collected	06/10/98 10:30:00
Fraction	QC Group	CAS#		Result	<u>Units</u>	Dilution <u>Factor</u>	Detection <u>Limit</u>	*	Sequence	Run <u>Date</u>
			SW846-8010/8020 Volatiles							
9806176-03A	X98326	71-43-2	Benzene	ND	mg / Kg	50	0.005	1	XG.1998.535-8	06/15/98
	X98326	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005		XG.1998.535-8	
	X98326	95-47-6	o-Xylene	ND	mg / Kg	50	0.005		XG.1998.535-8	
	X98326		P/M-Xylenes	ND	mg / Kg	50	0.01		XG.1998.535-8	
	X98326	108-88-3	Toluene	ND	mg / Kg	50	0.005		XG.1998.535-8	
			SW846-8015 Modified TPH .							
9806176-03B	X98328		Diesel Range Organics	640	mg / Kg	25	25		XG.1998.556-9	06/20/98

Page 2 of 2

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

# Chain of Custody Record

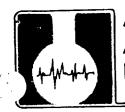
7300 JEFFERSOH, H.E. ALBUQUERQUE, HEW MEXICO 87109 (505) 345-8964

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

Special Instructions:	Shipment No.	Method of Shipment: Comments		Res.	Printed (SEFF CLOSS) Time Printed Company Company Company	6/2/88 Signatured by:			18/21/2 18		1	2A TAT 361. #3 10:30		10:70	1 123 6 10	1 2 2 #2 #4 12:0-50 10:10 Spir 4 07 0 ass 42 Te	Preservation AAL  Paid Location Date Time Sample Type / Size of Container Tymp. Chemical	Contract / Purchase Order / Quote	Project Name / Number Samplers: (Signature)	City/State/Zip Parmington, NM 87401-7947 Fax No. (505) 774-6624	Address 2855 Southside River RD, Ste. ATelephone No. (505) 774-6643	Client Apache Corporation Project Manager/Contact Jeff Cross
	Stored over 30 days (ad-	[] Stored (30 days max)	Aller analysis, samples are in the	Aeason	Company	C/12/53 Signature	Dale Received by:		0		-  x	X	X	-  x 	X	ļ	<u>a_</u> '	MO   MO   MO   MO   MO   MO   MO   MO	Contain		Analysis Required	
	ree)				See May												7.33	r Kr	Remarks			

LABORATORY



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

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: June 13, 1997 16:58

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

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER #

: 9706072

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED : 06/09/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706072-01A

Sample ID: JAT 396 #3 CELL #3

Collected: 06/06/97 14:00:00

Matrix: SOIL

Sample ID. OAL 550 110 0111	•					
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND ND ND ND ND	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0020 0.0010	* * * *	06/12/97 06/12/97 06/12/97 06/12/97 06/12/97	SBTXME169 SBTXME169 SBTXME169 SBTXME169 SBTXME169

Lab ID: 9706072-01B

Sample ID: JAT 396 #3 CELL #3

**Collected:** 06/06/97 14:00:00

Matrix: SOIL

Sample ID. OAT 330 113 012						· · · · · · · · · · · · · · · · · · ·
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	25000	mg/Kg	50	25	06/12/97	SDRO32
TKN/SM4500-N & NH3 B&C Total Kjeldahl Nitrogen	422	mg/Kg	1.0	100	06/12/97	W97252

Jun. P. Brave

William P. Biava

President



### **WORKORDER COMMENTS**

DATE : 06/13/97 WORKORDER: 9706072

### 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

\*Please Note: The dilution factor for Fraction 01A is 500000.

Nient Apache Corporation

# Chain of Custody Record

Project Manager / Contact <u>、JOEFF - GF-099</u>--

ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964

1910 N. BIG SPRING MIDLAND, TEXAS 79705 (915) 570-1116

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

MELOUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Address 304	4 N. Behrend		ř	Telephone No.	(505) 77	774-6643	3	_		Analysis Required	_	••
Sity / State / Z	314/State/ZpEarmington, NM 87401		<u> </u>	Fax No. (505	5) 774-6624	24			1500			•
Project Name	Project Name / Number JICARILLA PIT CLOSURES	OSURE		Samplers: (Signature)	nature)			_ `	\ \?		\	Remarks
Contract / Pur	Contract / Purchase Order / Quote						**************************************	No. of Cong	No.			
AAL FFACTION NUMBER	Field Location Date	Time	Sample Type	1ype/	Size of Container	Presse Temp.	Preservation p. Chemical	BO VI				
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thod of Shipment:		Comments:	ij							Disposed of (additional fee)	l fee)	
pment No.							,		.s	Stored (30 days max)		
scial instructions:								!		Stored over 30 days (additional fee)	dditional (ee)	
										Returned to customer		