Aztec, NM 87410

State of New Mexico 1000 Rip Profil & GASTING Programs and Natural Resources Department

Submit 1 copy to Appropriate District

DEC 1 7 1998

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

and 1 copy to

PIT REMEDIATION AND CLOSURE REPORT OF COMPANY

	the fifther bland Cherman and and							
Operator:	Apache Corporation			_Telephone	<b>:</b>	505-325-0	)318	
Address:	2855 Southside River Road, S	uite A, Farm	nington, NI	VI 87401				
Facility or	Well Name:	Apache #	125 #7					
Location:	Unit or Qtr/Qtr Sec	н	Sec 35	T 25 N	R 4W	County	Rio Arriba	
Pit Type:	Separator:	_Dehydrato	Γ	_Other	Blow Pit			
Land Type	Jicarilla Tribal		<del></del>					
<u> </u>	Beginning Pit Dimensions:	Length	20'	Width	10	Depth	3'	
Pit Location: (Attach dia	Ending Pit Dimensions:	Length	42'	Width	30	Depth	9'	
(* ************************************	Reference:	Wellhead	XXX	Other				
	Footage from reference:		100'		_			
	Direction from reference:		350	Degrees		East	North _	XX
					x	of West	South	
Depth To (	Groundwater:			l aga than f	70 f1			
vertical distar				Less than 5 50 feet to 9			(20 points)	
contaminants	to seasonal			Greater tha			(10 points)_ ( 0 points)	0
high water ele groundwater)	vation of						( o points) _	
	Protection Area:					Yes	(20 points)	
	200 feet from a private					No	( 0 points)	0
1000 feet fr	ater source, or; less than om all other water sources)						_	
	o Surface Water:			Less than 2	200 feet		(20 points)	
	distance to perennial			200 feet to			(10 points)	
	s, rivers, streams, creeks, nals and ditches)			Greater tha	n 1000 feet		( 0 points)	0
				RANKING S	SCORE (TO	TAL POIN	TS)	0

1						
Date Remediation St	arted:	6/30/97		_Date Com	npleted:	7/3/97
Remediation Method (Check all appropriate		Excavation _	XXX	_Approx. c	cubic yards	420
sections)	Landfarmed	-	XX	_Insitu Bior	remediation	
		Other _				
Remediation Location (i.e. landfarmed onsited name and location of offsite facility)		Onsite_	XX	_Offsite		
General Description o	of Remedial Action:	Ī	Excavate	pit to 9', to	ook PID readings.	
Spread so	il on location for reme	ediation. To	ook soil s	amples.	Hit Bedrock @9' S	Sprayed pit with
liquid ferti	lizer. Soil cell #1 & #2	2 to be put I	pack in pif	t cell #3, s		
Groundwater Encoun	itered:	No_	XX	Yes	s Dep	oth
Final Pit: Closure Sampling: (in multiple samples,	Sample location	4	point comp	osite taken f	from pit sidewalls and pit	t bottom center
attach sample results and diagram of sample	Sample depth	9' 8	to 10" in	to pit side	walls 10" into pit bot	ottom
locations and depths)	Sample Date Sample results	_	7/3/97		_Sample Time	3:40 P.M.
	Benzene	(t	ppm) _	ND	<del>-</del>	
	Total BTEX	(t	ppm) _	ND	-	
	Field Headspace	· (t	ppm) _	46.02	<u>'</u>	
	TPH			2500\side	_	
Groundwater Sample:		Yes		3100\BTM No_	XX(If yes att	tach sample results)
HEREBY CERTIFY THE KNOWLEDGE AND BE	HAT THE INFORMATI	ON ABOVE	IS TRUE /	AND COM	PLETE TO THE BES	T OF MY
DATE	June 24, 1998	P	RINTED N	IAME	Jeff Cross	
SIGNATURE	Uf lion		ND TITLE	<u>-</u>	Project Manager	
	<u> </u>					

## P. O. BOX 507 DULCE, NEW MEXICO 87528

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

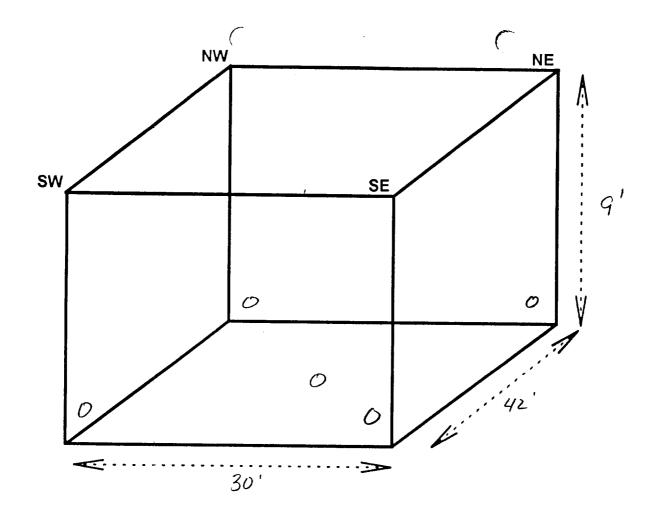
### PIT REMEDIATION AND CLOSURE REPORT

Operator:	ΜV	V PETROLEUM			Telephone	505-3	25-0318	· · · · · · · · · · · · · · · · · · ·	
Address:	304	N. BEHREND,	FARMING	TON, N.M.					
Facility or We	ell Na	ame:	JAT 125 #	<b>#</b> 7					***
Location:	Unit	or Qtr/Qtr Sec	н	SEC 35	T 25N	R 4W	County	RIO ARRIB	A
Pit Type:	Sep	arator:	_Dehydrate	or	_Other	BLOW PI	Γ		
Land Type:		JIC. TRIB	AL			· <del>-</del> ··· -			<del> </del>
Pit Location: (Attach diagra	am)	Pit Dimensions:	Lengtl Wellhead		_ Width _Other	30'	Depth	9'	
		Footage from re		100' 350	Degrees	-	East	North	vv
		Direction from te	referice.		_Degrees	x	_East of _West	North - South _	XX
Depth To Gre (vertical distance of contaminants to sightly water elevation groundwater)	from easona				Less than 50 feet to 9 Greater tha			(20 points) (10 points) ( 0 points)	0
Distance to a (Downgradien ten feet in wid	nt dry	hemeral Stream wash greater tha	: n		Less than Greater tha	100 feet an 100 feet		(10 points) _ ( 0 points) _	0
(Downgradien	it lake	est Lake, Playa, o es, playas and e watering ponds)	or Watering	g Pond:	Less than f			(10 points) _ ( 0 points) _	0
domestic wate	0 fee er sou	ion Area: t from a private urce, or less than other water source	es)			Yes No		(20 points) _ ( 0 points) _	0
	stanc rivers	e to perennial s, streams, creeks	5,		Less than 1 100 feet to Greater tha	1000 feet in 1000 fee		(20 points) _ (10 points) _ ( 0 points) _	0
					RANKING	SCORE (T	OTAL POIN	ITS)	0

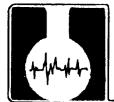
,		(			` (			
Date Remed	liation Sta	rted: 6/30	0/97	Date Com	pleted:	7.3	-97	
Remediation (Check all ap		Excavation	on XXX	Арргох. си	ibic yards		420	
sections)	propriate	Landfarm	ned XX	Insitu Biore	emediation			······································
		Other						
Remediation (i.e. landfarm name and loo offsite facility	ned onsite, cation of	: On	site XX	Offsite				
-	•	f Remedial Action:	Excavate pit	to 9',took P	ID readings. s	pread soi	il on	
Groundwate	location (	for remidiation. To DPIT WITH LIQUID	ok soil samp	les.	HI	T BEDRO	СК @ 9'	spread do
Final Pit:		Sample location	4 POINT	COMPOSITE	E SAMPLE TAI	KEN 8 TO	10" INTO	PIT
Closure Sam (in multiple sa attach sample	amples,	SIDEW			KEN 10" INTO			· · · · · · · · · · · · · · · · · · ·
and diagram	of sample	Sample depth 9	8" to 10"	into pit side w	/alls ,10" into p	it bottom.		
locations and	Sample D Sample re		7/3/9	7	Sample Ti <u>me</u>	3	3:40XM	
	Soil:	Benzene	(ppm)	ND	Water: Bei	nzene (p	pb) .	NA
		Total BTEX	(ppm)	ND	Tol	uene (p	pb) .	NA
		Field Headspace	(ppm)	46.02	Ethylbe	enzene (p	pb) .	NA
		TPH	(ppm)	2500\SIDE 3100\BTM	Total X	ylenes (p	pb) _	NA
Groundwater	•		/es	_ No.	` '		•	· '
I HEREBY CE KNOWLEDGI	RTIFY THE AND BE	IAT THE INFORMA LIEF.	TION ABOVE	IS TRUE A	ND COMPLET	E TO THE	BEST O	FMY
DATE .		6.8.98	PRINTED	NAME	JEF	F CROS	S	
SIGNATURE	Jeffe	/ luss	AND TITL	.E _	PR	OJECT MA	ANAGER	
AFTER REVIE THE JICARIL	EW OF TH	E PIT CLOSURE IN LE TRIBE PIT CLOS	FORMATION SURE ORDIN	N, PIT CLOS	URE IS APPRO	OVED IN A	ACCORD	ANCE TO
APPROVED:	YES	<u> </u>	10	_(REASON)_				
SIGNED: 🚤	Kon	C Man	QQ	DATE:	6-23-	98		

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

100	ATION	147 405 11	_				che Tribal EPO	D/OCD/BLM	
LOCA	ATION	JAT 125 # 7	<del>′</del>			Review and	Approval		
DIT C	COUNT	4				OCD-BLM			
rii C	CONT	1				EPO Repres			
						Date of Revi	ew		<del></del>
					Excava	tion	·	7	
DIME	NSIONS	START: 6/3	30/97		FINISH	7/3/97			T
	W	L	D			W	L	D	CU YDS
Pit 1	10'	20'	3'	Pit	1	30'	42'	9'	420
Pit 2	<del></del>	<del></del>	<u> </u>	Pit					
Pit 3			<b>_</b>	Pit	3				
***************************************	**-	Pit 1 @ 7'	Pit 2 @	Pit 3 @			Pit 1 @ 9'	Pit 2 @	Pit 3 @
	Center	225				Center	136		
P	NW Corner	175	<u> </u>		P	NW Corner	54.2		
,	NE Corner	145				NE Corner	30.7		
D	SW Corner	80			D	SW Corner	2.8		
NOTE:	SE Corner	98				SE Corner	6.4		
NOTE									
	6/30/97 STA	RT EXCAVAT	ION ON PIT	EXCAVATE D	OWN TO	5' . HEAVY STA	AINING AND (	DDOR.	
	7/1/97 EXCA	VATE DOWN	TO 7', LIGH	T STAINING, L	IGHT ODC	R. TOOK PID	READINGS (F	HIGH)	
		VATE DOWN			HIT BE	DROCK			
	7/3/97 EXCA	VATE PIT SI	DES. TOOK	PID READING	S (GOOD)	BOTTOM A LIT	TLE HIGH.		
	7/3/97 TOOK	SOIL SAMPL	ES AND SEI	NT TO ASSAIC	SAI LABS.				
									C 111.
									1
							· ·		
				SOIL SAM	PLING				
DATE:	7/3/97	Pit 1 @ 9'	Pit 2 @	Pit 3 @	ANALYS	IS RESULTS	"	PER LAB	ASSAIGAI
	Center	136			PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner	54.2			NO	SIDE\BTM	SIDE\BTM		
- 1	NE Corner	30.7			1	2500\3100	ND\ND	JEFF C.	7/7/97
D	SW Corner	2.8			2			32 3.	.,,,,,,
	SE Corner	6.4			3				<u> </u>
				RE-SAMPLI	E OR CELL	(S) SAMPLE			<u> </u>
DATE:		Pit 1 @	Pit 2 @	Pit 3 @		IS RESULTS		PER LAB	· · ·
	Center				PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner				NO		SE LEX	WHITESO	DATE
ı	NE Corner				1				
D	SW Corner	:			2				
	SE Corner		<del></del>		3		<del></del>		
		<u> </u>		RF-SAMPLE		(S) SAMPLE		<u> </u>	L
DATE:		Pit 1 @	Pit 2 @	Pit 3 @		IS RESULTS	<del></del>	PER LAB	
	Center			1.100	PIT		DETEV		
P	NW Corner		<del>                                     </del>		NO	TPH	BETEX	WITNESS	DATE
	NE Corner		<del> </del>						
	SW Corner		<del> </del>	<del> </del>	1				
	SE Corner	<del></del>	<del> </del>	<del> </del>	2				



			= SAMPLE AREA
WELL NA	ME	JAT 125 #7	
SAMPLE D	DATE	7-3-97	
NOTES	4 POIN	T COMPOSITE SAMPLE TAKEN 8" TO	O 10" INTO PIT
	SIDEW	<b>/</b> ALL	
	1 POIN	T GRAB SAMPLE TAKEN 10" TO 12"	INTO BOTTOM CENTER
·		,	
•			
•			
•			
•	<del></del>		
•			
-			
_			



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

AUG 4 1997

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 11, 1997 14:26

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

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER # : 9707032

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED : 07/04/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9707032-01A

Sample ID: JAT 125 #7 SIDES

Collected: 07/03/97 15:40:00

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	07/07/97	SBTXME175
	ND	mg/kg	0.0050	100	07/07/97	SBTXME175
	ND	mg/kg	0.0050	100	07/07/97	SBTXME175
	ND	mg/kg	0.010	100	07/07/97	SBTXME175
	ND	mg/kg	0.0050	100	07/07/97	SBTXME175

Lab ID: 9707032-01B

Sample ID: JAT 125 #7 SIDES

Collected: 07/03/97 15:40:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	2500	mg/Kg	50	25	07/08/97	SDRO040

Lab ID: 9707032-02A

Sample ID: JAT 125 #7 BOTTOM

**Collected:** 07/03/97 15:45:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A			<del></del>			
Benzene	ND	mg/kg	0.0050	500	07/09/97	SBTXME176
Toluene	ND	mg/kg	0.0050	500	07/09/97	SBTXME176
Ethylbenzene	ND	mg/kg	0.0050	500	07/09/97	SBTXME176
P-&m-Xylene	ND	mg/kg mg/kg	0.010	500	07/09/97	SBTXME176
O-Xylene	ND	mg/kg	0.0050	500	07/09/97	SBTXME176



( ) **ID:** 9707032-02B sample **ID:** JAT 125 #7 BOTTOM

**Collected:** 07/03/97 15:45:00 **Matrix:** SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	3100	mg/Kg	50	25	07/08/97	SDRO040

William P. Biava President

### **WORKORDER COMMENTS**

DATE : 07/11/97

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

子りていて

Client Apache Corporation

# Chain of Custndy Record

Lab job no.:

Project Manager / Contact <del>\_ Je£ f \_ C r o 3 S \_</del>

ALBUQUERQUE, NEW MEXICO 87-48 . (505) 345-8964

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

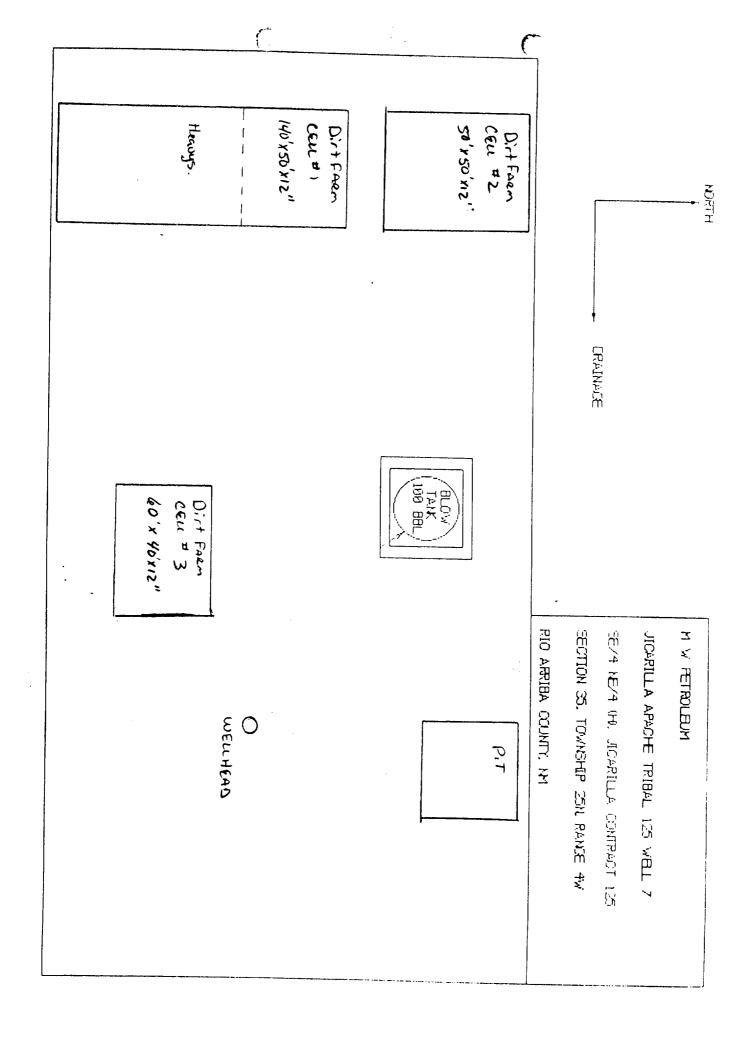
1910 N. BIG SPRING MIDLAND, TEXAS 79705 (915) 570-1116

MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Address 3(	Address 304 N. Behrend			T.	elephone	Telephone No. (505) 774-6643	774-66	543	\		Analysis Required	. peumbe	<u></u>	**
City / State /	City/State/ZipEarmington, NM 87401	7401			EX No.	Fax No. (505) 774-6624	5624		_	370				•
Project Name	Project Name / Number JICARILLA PIT CLOSURES	TCL	SUR		amplers:	Samplers: (Signature)	The Mi	- de	8100/8	875		\ \ \		Remarks
Contract / Pu	Contract / Purchase Order / Quote								No. of Con.	TWO C				: T <u>t</u> . :
PRACTION MUMBER	Field Sample Number / Location	O		Time Sample Type		Type / Size of Container	Temp	Preservation p. Chemical	70/	700		<u></u>		
ſΑ	JAT 12547 51:263	7-3-47		1:40 541		402 Gass		1	_			-		
1.8		_				)								
2 A	T#125#7 13.7%		M	3,45										
28			/											
									-					
				-										
							-							
THE RESERVE THE PROPERTY OF TH		-			-		-							
				!										
Relinquished by:	Date		Received by:	(A)	I	3	Relinquished by:	by:		Date	Received by:	1	16. 1. L.	7.7
Signatura	19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6)	Signature	3	ر اج	2	Signature			/_/	Signature.	1	2	2
) 1			Printed	3 K	. J	D7017	Printed			Time	Printed		, 00	
Company C	ptre Copp.		Company	1, 1	Jan 16 and		Company			9 AM	Company		7 1 1	
36														
Method of Shipment	<u>1</u>		Comments:	ij						Arter anal	After analysis, samples are to be:	s, samples are to be: Disposed of feddillong feet	-	
Shipment No.												(additional ree)		
Special Instructions	**************************************										Stored over 30	Stored over 30 days (additional fee)	onal fee)	
													, , , , , ,	

Stored over 30 days (additional fee)

☐ Returned to customer



### JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P. O. BOX 507 DULCE, NEW MEXICO 87528

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

### **ON-SITE SOIL REMEDIATION REPORT**

Operator:	M W PETF	ROLEUM			_Telephoi	ne	505-325-0	)318	
Address:		2855 SOUTH	-ISIDE RI	VER ROAL	) / SUITE /	A / FARMIN	GTON, N. M	l. 87401-79	47
Facility or Wel	I Name:	J	AT 125#	7 CELL#	1				
Location:	Unit or Qtr	/Qtr Sec _	SE\NE	Sec 35	T 25N	R 4W	County	RIO ARRI	IBA
Land Type		JIC. TRIBAL							
Date Remedia	ition Starte	d: 6-30	-97		_Date Cor	mpleted:		5/21/98	
Remediation N	Лethod:	Landfarmed		XXX	_Approx.	cubic yards		259	
		Composted			_			<u>-</u> .	
		Other			:1 To	Be put	BARK IN	pit	
Depth to Grou	ndwater:		(pts)	0		Final Clo	sure Sampl	ling	
Distance to an	Ephemera	al Stream:	(pts)	0	Sampling	g Date:	5/21/98	_Time:	1:20PM
Distance to Nearest Lake, Playa, (pts) or Watering Pond:						Results:			
Wellhead Prot	ection Area	a:	(pts)	0	_	space (ppm)	<u>ND</u>	-	
Distance To S	urface Wat	ter:	(pts)	0	TPH		1) <u>ND</u>	_	M8015
RANKING SC	ORE (TOT	AL POINTS)		0	Othe	er <u>BTEX</u> \S	SW846 , 802	0A (ND	)
I HEREBY CEI KNOWLEDGE		IEF				ND COMPL			MY
DATE: _		6/8/98		PRINTED	NAME		JEFF CR	OSS	<del></del>
SIGNATURE_	-Je	of lun		TITLE		PROJEC	T MANAGE	R	
AFTER REVIE ACCORDANC								S APPROV	ED IN
APPROVED:	YES	<u>X</u>	NO.		_(REASOI	N) WER C	es Ba	Alil	<u> </u>
SIGNED:	Keen	C'Man		ÐATE:	6-3	23-98			- -

### 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

### **ON-SITE SOIL REMEDIATION REPORT**

Operator: <u>M W PET</u>	ROLEUM		Telephone	505-325-0318
Address:	2855 SOUTHSI	DE RIVER ROA	D / SUITE A / FARMING	STON, N. M. 87401-7947
Facility or Well Name:	JAT	125 # 7 CELL #	2	
Location: Unit or Qtr	/Qtr SecSE	ENE Sec 35	T 25N R 4W	_County _RIO ARRIBA
Land Type	JIC. TRIBAL	<del>-</del>		
Date Remediation Starte	ed: 6-30	-97	_ Date Completed:	5/21/98
Remediation Method:	Landfarmed	xxx	Approx. cubic yards	92
	Composted	-		
	Other		Soil TO Be Pu	+ BACKIN PIT
Depth to Groundwater:		(pts) <b>0</b>	Final Clos	sure Sampling
Distance to an Ephemera	al Stream:	(pts) <b>0</b>	Sampling Date:	<u>5/21/98</u> Time: <u>1:30PM</u>
Distance to Nearest Lake or Watering Pond:	e, Playa,	(pts)0	Sample Results:	
Wellhead Protection Area	a:	(pts) <b>0</b>	Field Headspace (ppm)	ND
Distance To Surface Wa	ter:	(pts) <b>0</b>		NDMethodM8015
RANKING SCORE (TOT	AL POINTS)	0	Other BTEX \SV	W846 , 8020A (ND)
I HEREBY CERTIFY THA KNOWLEDGE AND BEL DATE:	IEF			TE TO THE BEST OF MY
7 2	6/8/98	PRINTED		JEFF CROSS
SIGNATURE	(us)		PROJECT	
AFTER REVIEW OF THI ACCORDANCE TO THE	E \$OIL REMEDIA JICARILLA APA	ATION INFORMA CHE TRIBE PIT	ATION. ON-SITE REME CLOSURE ORDINANC	EDIATION IS APPROVED IN
APPROVED: YES	<u> </u>	NO	(REASON) USQ C	a Backdil
SIGNED:	C Man	DATE:	6-23-98	

### 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

### **ON-SITE SOIL REMEDIATION REPORT**

Operator: <u>I</u>	M W PETF	ROLEUM			_Telepho	ne	505-325-	0318	
Address: _	<del></del>	2855 SOUTHS	SIDE RI	VER ROAI	O / SUITE	A / FARMING	GTON, N. N	Л. 87401-79	47
Facility or Well	l Name:			7 CELL#					
Location: (	Unit or Qtr	r/Qtr SecS	SE\NE	Sec 35	T 25N	R 4W	_County	RIO ARR	IBA
Land Type _		JIC. TRIBAL							
Date Remedia	ition Starte	ed: 6-30-	97		_ Date Cor	mpleted:		5/21/98	
Remediation M	/lethod:	Landfarmed		xxx	Approx.	cubic yards	8	38	
		Composted			_ 				
		Other		5	sic 70	Be sprea	wood lo	ration	
Depth to Grour	ndwater:		(pts)	)0		Final Clo	sure Sampl	ling	-
Distance to an	Ephemera	al Stream:	(pts)	0	] Samplinç	g Date:	5/21/98		1:40PM
Distance to Ne or Watering Po		ક, Playa,	(pts)	00	Sample F				
Wellhead Prote	ection Area	a:	(pts)	0	_	Ispace (ppm)	ND	-	
Distance To Su	urface Wat	ter:	(pts)	0	TPH	(11 /	) 660	_	M8015
RANKING SC	ORE (TOT	AL POINTS)		0	Otne	er BTEX \S	W846 , 802	20A (ND	)
I HEREBY CEF KNOWLEDGE	RTIFY THA	AT THE INFOR	MATION	N ABOVE I	I S TRUE A	ND COMPLE	ETE TO TH	E BEST OF	: МҮ
DATE: _		6/8/98		PRINTED	NAME		JEFF CR	oss	
SIGNATURE_	- Je	fluor		TITLE		PROJECT	Γ MANAGE	.R	
	E TO THE	E SOIL REMED JICARILLA AP.	PACHE T	TRIBE PIT	CLOSURE	E ORDINANO	CE.		اه
APPROVED:	YES		NO		_(REASOI	n) Not fo	1 lee	as Ba	ekdil
SIGNED:	Ken	C Man	N	h		23-98			- -

## M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

\* FROM EXCAVATION REPORTS.

REMEDIATION SITE	JAT 125 # 7		_	
* AMOUNT OF SOIL UNDER	GOING REMEDIATION	420	Yds.	
		CompDATE	TOU	I DTEV
CELL No. 1		5/21/98	TPH ND	ND BTEX
			<del>                                     </del>	
DIMENSIONS(LxWxH) 1	40' X 50' X 12"			
CELL LOCATION (dir. from well he	ead WEST			
* DATE BEGAN: 6/30/97				
DATE TERMINATED (TPH <5,000	ppm/BTEX< 50 ppm/Benzene < 10 ppm)	5/21/98	<b>\</b>	-
		SampDATE	TPH	BTEX
CELL No. <b>2</b>		5/21/98	ND	ND
DIMENSIONS(LxWxH) 5	0' X 50' X 12"			
0511100171011111			ļ	
CELL LOCATION (dir. from well he	ad NORTH WEST		ļ	
* DATE BEGAN: 6/30/97				
DATE TERMINATED (TPH <5,000	ppm/BTEX< 50 ppm/Benzene < 10 ppm)	5/21/98		
		SampDATE	TPH	BTEX
CELL No <b>3</b>		5/21/98	660	ND
DIMENSIONS(LxWxH) 6	0' X 40' X 12"			
CELL LOCATION (dir. from well he	ad SOUTHWEST			
·		<del></del>		
* DATE BEGAN: 6/30/97				
DATE TERMINATED (TPH <5,000	ppm/BTEX< 50 ppm/Benzene < 10 ppm)	5/21/98		
REMEDIATION RECORD: (Date, T	reatment, Tilling)			
7/2/97 TREAT ALL CELLS WITH 4	6-0-0 FERTILIZER,WATER,PLOW AND T	LL SOIL.		_
7/15/97 PLOW AND TILL SOIL.				
8/7/97 WATER, PLOW AND TILL S	OIL.			
9/8/97 TILL SOIL	OLDO DILICODILIO DILIO COLDO LINE INVESTI	D DI ONI		
5/6/98 PLOW SOIL. 5/7/98 TILL S	OLBS PHOSPHORUS, 38LBS LIME,WATE	K,PLOW AND	IILL ALL CE	LLS.
5/12/98 PLOW SOIL. 5/13/98 TILL S				
5/20/98 PLOW AND TILL SOIL.		<del></del>		

	NOTES:	0	
12 point composite sample	ALL SAMPLES TAKEN 10" TO 12" INTO CELL		
10		0	

(-

 WELL NAME:
 SAT (25 #7 cell#)

 SAMPLE DATE:
 5-21 -98

 DIMENSIONS:
 140' x 50' x (2

0

= SAMPLE AREA

NOTES:	0			DIMENSIONS
ALL SAMPLES TAKEN 10" TO 12" INTO CELL.			· ·	So x50 X/2"
	0	<u>;</u>	0	

WELL NAME: JAT 125 47 CO! #2

SAMPLE DATE: 5-21-98

0

= SAMPLE AREA

NOTES: DIMENSIONS: 0 0 ALL SAMPLES TAKEN 10" TO 12" INTO CELL. Gpoint composite sample 60' X40' X12" 0

WELL NAME: SAT 125 #7 Cell #3

DIMENSIONS: 60' x40' x (2''

= 0

= SAMPLE AREA

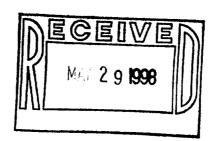


### **ANALYTICAL** LABORATORIES, INC.

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

**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: 9805205

**JICARILLA** 

M. Mask by M. esident of Assaigai Analytical Laboratories, Inc.

Client Sample ID	JAT 125	5 #7 C	ELL #1	Sar Ma	nple SOIL	_		Sample Collected	05/21/98 13:20:00
Fraction	QC Group	CAS#		Result	<u>Units</u>	Dilution <u>Factor</u>	Detection <u>Limit</u> *	Sequence	Run <u>Date</u>
			SW846-8020 Volatiles						
9805205-01A	X98285	71-43-2	Benzene	ND	mg / Kg	50	0.005	XG.1998.484-15	05/22/98
	X98285	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005	XG.1998.484-15	
	X98285	95-47-6	o-Xylene	ND	mg / Kg	50	0.005	XG.1998.484-15	
	X98285		p/m Xylenes	ND	mg / Kg	50	0.01	XG.1998.484-15	
	X98285	108-88-3	Toluene	ND	mg / Kg	50	0.005	XG.1998.484-15	
			SW846-8015 Modified TPH				·		
98 <b>05205-01B</b>	X98286		Diesel Range Organics	ND	mg / Kg	25	25	XG.1998.488-20	05/23/98

Client Sample ID	JAT 125	5 #7 C	ELL #2		ample SOIL	-			Sample Collected	05/21/98 13:30:00
<b>-</b>						Dilution	Detection	1		Run
Fraction	QC Group	CAS#		Result	<u>Units</u>	<u>Factor</u>	<u>Limit</u>	*	Sequence	<u>Date</u>
			SW846-8020 Volatiles							
9805205-02A	X98285	71-43-2	Benzene	ND	mg / Kg	50	0.005		XG.1998.484-16	05/23/98
	X98285	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005		XG.1998.484-16	
	X98285	95-47-6	o-Xylene	ND	mg / Kg	50	0.005		XG.1998.484-16	
	X98285		p/m Xylenes	ND	mg / Kg	50	0.01		XG.1998.484-16	
	X98285	108-88-3	Toluene	ND	mg / Kg	50	0.005		XG.1998.484-16	
			SW846-8015 Modified TPH		·····	<u> </u>	-4			
9805205-02B	X98286	[ -	Diesel Range Organics	ND	mg / Kg	25	25		XG.1998.490-4	05/26/98

Page 1 of 2

Coyote Reports

ver 1.1 / 980406

Report Date

5/27/98 2:57:51 PM



### Assaigai Analytical Laboratories, Inc.

### Certificate of Analysis

Client:

**APACHE CORPORATION** 

Project: **9805205** 

JICARILLA

Client Sample ID	JAT 12	5 #7 C	ELL #3		Sample Matrix	SOIL				Sample Collected	05/21/98 13:40:00
<u>Fraction</u>	QC Group	CAS#		Result	<u>!</u>	<u>Units</u>	Dilution Factor	Detection <u>Limit</u>	*	Sequence	Run <u>Date</u>
			SW846-8020 Volatiles								
9 <b>805205-03A</b>	X98285	71-43-2	Benzene	ND	:	mg/Kg	50	0.005		XG.1998.484-17	05/23/98
	X98285	100-41-4	Ethylbenzene	ND		mg / Kg	50	0.005		XG.1998.484-17	
	X98285	95-47-6	o-Xylene	ND		mg / Kg	50	0.005		XG.1998.484-17	
	X98285		p/m Xylenes	ND		mg / Kg	50	0.01		XG.1998.484-17	
	X98285	108-88-3	Toluene	ND	· · · · · · ·	mg / Kg	50	0.005		XG.1998.484-17	
			SW846-8015 Modified TPH				·				
9805205-03B	X98286		Diesel Range Organics	660		mg / Kg	25	25		XG.1998.488-22	05/23/98

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

LABORATORIES, INC. ASSAIGAI ANALYTICAL

Client Apache Corporation

# Chain of Custody Record

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

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

Project Manager / Contact Jeff Cross

Address 2855 Southside River RD.	River	RD,	Ste	ATelep	Ster ATelephone No. (505)	774-6643	543				Analysis Required	lequired			
City/State/ZipFarmington, NM 87401-7947	NM 87	401-7	947		Fax No. (505) 774-	774-6,624				///					
Project Name / Number	erman marre on me innepentatoppe pra innep		And the same of th	Samp	Samplers: (Signature)	1997	(m)					\\ \}		Y Men	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Contract / Purchase Order / Quote					7					\\ \\;					
RAAL NUMBER No.   Sample Number / Location ; Spie Spie Standard	tlon,	Date Ch	.TIme	Sample Type	Type / Bize of Container	1924	Temp. Chemical (*)					<u> </u>			
10 54 125 d) ce//#1		8-2-8	02:1	Soil	ssalp zo 4		tee	×							
0		)	_		7	-		× —							
26 SAT 125#7 Cell	42	5.5.4	05:1		ר			× ,							
7.62		7						×							
34 IAT 125#7 C(	ce4 #3	5-21-98	1:40					×							
1 98		1	/		1			× -							
									-						
										-					
•															
									-	-					
									+						
Relinquished by:	Date		Received by:	1		Relinquished by:	d by:			Date Received by:	- A	Ived by:	: ] (	0	0
Signature ( JEH Cross	2-77-5		Signature	<b> </b>  /ĭ	COTT PrATI	Signature Printed	Scott	PVATT	<u>,  </u>			Signature Printed		19	1 3
Company Appeha Corp	 8	<u> </u>	Company		DAL	_ Company _	₩		 	15:38		Company	*	7	
reason			Neason .			LOGE BL				Heason Market Control of the State of the St	Heason	nos	11		
Method of Shipment:		8	Comments: _						<u> </u>		Disposed o	of additional for	ial 1.		
Shipment No.		 									Stored (30 days max)	days max)			
Special Instructions:		 				:			-		Stored ove	Stored over 30 days (addii		· fee)	<u>-</u> -
									_		Returned to	Returned to customer			
					LAE	LABORATORY	,								