District III

State of New Mexico

Energy, Minerals and Natural Resources Department

INT 87416 TO DEPUTY OF & CAS INSPECTOR

OIL CONSERVATION DIVISION

Appropriate District and 1 copy to Santa Fe Office

Submit 1 copy to

FEE () 6 1999

2040 S. PACHECO Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

AM OUR	<u> </u>	OLOGORIA I.		DEC - 3 1888
Operator: Apache Corporation \ M\	N Petroleum	Telephone:	505-325	MA CONSTOR
ddress: 2855 Southside River Ro	oad, Suite A, Farmingt	on, NM 87401		
acility or Well Name:	Jic Apache Tr	ibal 124 #5		
ocation: Unit or Qtr/Qtr Sec	SE/NE Sec	23 T 25 N R	4W County	Rio Arriba
it Type: Separator:	Dehydrator	Other Bl	ow Pit	
and Type: Jicarilla Triba	<u> </u>			
Beginning Pit Dimens	sions: Length	25' Width	20' Depth	5'
Pit Location: Ending Pit Dimens	ions: Length	30' Width	25' Depth	9'
Attach diagram) Reference:	Wellhead	XXX Other		
Footage from refere	nce:	130'		
Direction from refere	ence:	174 Degrees	X East	North
			West	South X
Depth To Groundwater:		Less than 50		(20 points)
(vertical distance from		50 feet to 99		(10 points)
contaminants to seasonal high water elevation of groundwater)		Greater than	100 feet	(0 points)(
Wellhead Protection Area:			Yes	(20 points)
(Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water source			No	(0 points)
Distance To Surface Water:		Less than 20 200 feet to 1		(20 points) (10 points)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creek	·s	Greater than		(0 points)
irrigation canals and ditches)	σ,		CORE (TOTAL PO	INTS)

Date Remediation Star	ted:	6/27/97		_Date Comple	eted:	6/30/97	
Remediation Method:		Excavation	XXX	_Approx. cubi	c yards	111	
(Check all appropriate sections)	Landfarmed		XX	Insitu Bioren	nediation		
		Other					
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)	:	Onsite	xx	Offsite _			
General Description of	f Remedial Action:		Excavate	pit to 9', too	k PID readings. S	Spread soil on	
location for	remediation. Took	soil sampl	es.				
Groundwater Encount	tered:	No	X	<u>X</u> Yes_	De	pth	
Final Pit:	Sample location		4 point con	nposite sample	taken from pit sidewa	lls. Grab sample	
Closure Sampling: (in multiple samples,	•	taken from pit bottom center.					
attach sample results and diagram of sample	Sample depth	9'	8 to 10" into pit sidewalls 10" into pit bottom				
locations and depths)	Sample Date		6/30/9	7	Sample Time	12:20 PM	
	Sample results						
	Benzene		(ppm)	ND			
	Total BTEX		(ppm)	ND			
	Field Headspace		(ppm)	12.98			
	TPH			Side/ND Btm/ND			
Groundwater Sample	:	Ye	s	No	XX(If yes	attach sample results)	
I HEREBY CERTIFY T KNOWLEDGE AND B		ATION ABO	VE IS TRU	JE AND COM	PLETE TO THE B	EST OF MY	
DATE	December 1, 199	8	_PRINTE	D NAME	Jeff Cross		
SIGNATURE	iff lion		_AND TIT	rLE.	Project Manager		

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

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

PIT REMEDIATION AND CLOSURE REPORT

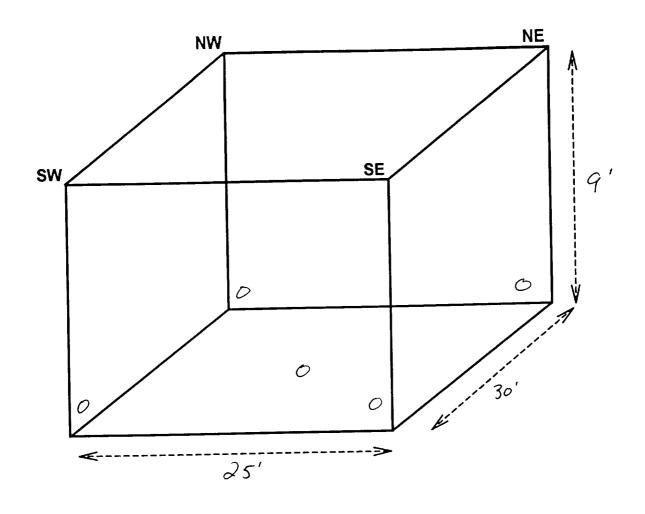
Operator:	MW F	PETROLEUM		Telephone <u>505-325-0318</u>					
Address:	2855	Southside River	Road, Sui	te A, Farmir	ngton, NM	37401			
Facility or W	eli Nar	me:	JAT 124 #	5					
Location:	Unit	or Qtr/Qtr Sec	SEWE	SEC 23	T 25 N	R4W	County	Rio Arriba	
Pit Type:	Sepa	arator:	_Dehydrato	or	Other	BLOW PI	Γ		
Land Type:	Jicar	illa Tribal							
Pit Location:		Pit Dimensions:	Length	n <u>30'</u>	Width	25'	_ Depth	9'	
(Attach diag	ram)	Reference:	Wellhead	XX	Other				
		Footage from re	ference:	130	•	_			
		Direction from re	eference:	174	_Degrees	X	_East o	North _	
							_West	South _	XX
Depth To G	rounc	dwater:			Less than			(20 points)_	
(vertical distance					50 feet to			(10 points)_ (0 points)	
contaminants to		nal			Greater th				
high water eleva groundwater)	ation of								
Distance to	an Fi	phemeral Strear	n·		Less than	100 feet	(10 points)_		
	ent dry	wash greater th			Greater th	(0 points) _	0		
D'-4 44	. Noor	est Lake, Playa,	or Waterij	na Pond:	Less than	100 feet		(10 points)	
(Downgradi	ent lak	ces, playas and fe watering ponds		ng r onu.		nan 100 fee	et	(0 points)	0
	4	diam Aman				Ye	es	(20 points)	
domestic w	200 fe	et from a private ource, or less tha I other water sou					ło	(0 points)	0
	·	foos Wotor			Less than	100 feet		(20 points)	
		face Water: nce to perennial			100 feet	to 1000 fee		(10 points)	
		ers, streams, cree	eks,			han 1000 f		(0 points)	0
		and ditches)			RANKIN	G SCORE	(TOTAL PC	OINTS)	0

Date Remediation Starte	ed: 6/27/97		Date Comple	eted:	6/30/97	
	Excavation		Approx. cub		111	
Remediation Method: (Check all appropriate sections)	Landfarmed			nediation		
	Other					
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)	Onsite	e XX	Offsite _			
General Description of	Remedial Action:		EXCAVATE	PIT TO 9', TOOK P	ID READINGS	S
SPREAD S	SOIL ON LOCATION	FOR REMI	DIATION. TO	OK SOIL SAMPLES		
Groundwater Encounte	ered: N	oX	_ Yes	Dept	h	
Final Pit: Closure Sampling: (in multiple samples,	Sample location			n from pit sidewalls ken from pit bottom (center.	
attach sample results and diagram of sample locations and depths) Sample D	ate	9' 6/30/97		Sample Time	12:20PM	
Soil:	Benzene	(ppm)	ND	Water: Benzene	(ppb)	NA
	Total BTEX	(ppm)	ND	Toluene	(ppb)	NA
	Field Headspace	(ppm)	12.98	Ethylbenzen	e (ppb)	NA NA
	TPH	(ppm)	ND\SIDE			NA
Groundwater Sample:	•	es		X(If yes a		
I HEREBY CERTIFY T KNOWLEDGE AND BI	HAT THE INFORMATELIEF.	TION ABOV	E IS TRUE A	AND COMPLETE TO	THE BEST (OF MY
DATE	9/14/98	PRINTE	D NAME	JEFF C	ROSS	
-/-//	(1)			Project Manager		
AFTER REVIEW OF T	HE PIT CLOSURE IN CHE TRIBE PIT CLO	IFORMATION	ON, PIT CLO INANCE.	SURE IS APPROVE	D IN ACCOR	DANCE TO
APPROVED: YE				N)		
SIGNED:	-CMa	A	DATE:	11-13-9	8	

APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

THE EXOLUTION		Jicarilla Apache Tribal EPO/OCD/BLM		
LOCATION	JAT 124 # 5	Review and Approval		
		OCD-BLM		
PIT COUNT	1	EPO Representative		
111 000111		Date of Review		

	I	0.07.07			FINISH	6/30/97		1	
	START	6/27/97			1111011	3,00,01			
MENS	SIONS	144			\$ ** \$	1	W	D	CU YDS
	L	W	D 5'	Pit 1	88888888888888888888888888888888888888	30,	25'	9'	111
it 1	25'	20'	-5	Pit 2					
Pit 2			<u> </u>						
Pit 3				Pit 3		0/00/07	Dit 4 @ 0'	Pit 2 @	Pit 3 @
ATE:	6/30/97	Pit 1 @ 9'	Pit 2 @	Pit 3 @	Date:		Pit 1 @ 9'	FILZ	1 10 0
	Center	20.1	<u> </u>			Center	20.1	 	
ρ	NW Corner	15.2				NW Corner	15.2	 -	
1	NE Corner	3.4				NE Corner	3.4	 	ļ
D	SW Corner	18.7				SW Corner	18.7		
	SE Corner	7.5				SE Corner	7.5		<u> </u>
OTES	·			_					
	DATE			SOIL SAMP				250140	Acceivei
	DATE	Pit 1 @ 9'	Pit 2 @	SOIL SAMP		SIS RESULTS		PER LAB	Assaigai
		Pit 1 @ 9'	Pit 2 @			TPH	BETEX	PER LAB WITNESS	Assaigai DATE
P	Center	20.1	Pit 2 @		ANALYS		BETEX SIDE\BTM	WITNESS	DATE
P	Center NW Corner	20.1 15.2	Pit 2 @		ANALYS PIT	TPH			DATE
1	Center NW Corner NE Corner	20.1 15.2 3.4	Pit 2 @		ANALYS PIT NO	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
	Center NW Corner NE Corner SW Corner	20.1 15.2 3.4 18.7	Pit 2 @		ANALYS PIT NO 1	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
1	Center NW Corner NE Corner	20.1 15.2 3.4	Pit 2 @		PIT NO 1 2 3	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
i D	Center NW Corner NE Corner SW Corner SE Corner	20.1 15.2 3.4 18.7 7.5		Pit 3 @	ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\ND	SIDE\BTM ND\ND	WITNESS	DATE
i D	Center NW Corner NE Corner SW Corner SE Corner	20.1 15.2 3.4 18.7	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS	TPH SIDE\BTM ND\ND	SIDE\BTM ND\ND	J.C.	6/30/97
I D DATE:	Center NW Corner NE Corner SW Corner SE Corner	20.1 15.2 3.4 18.7 7.5		Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS PIT	TPH SIDE\BTM ND\ND	SIDE\BTM ND\ND	J.C. PER LAB	6/30/97
I D DATE:	Center NW Corner NE Corner SW Corner SE Corner Center NW Corner	20.1 15.2 3.4 18.7 7.5		Pit 3 @	ANALYS PIT NO 1 2 3 ANALYS PIT NO	TPH SIDE\BTM ND\ND SIS RESULTS	SIDE\BTM ND\ND BETEX	J.C. PER LAB	6/30/97
I D DATE: P I	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner	20.1 15.2 3.4 18.7 7.5		Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1	TPH SIDE\BTM ND\ND SIS RESULTS	SIDE\BTM ND\ND BETEX	J.C. PER LAB	6/30/97
I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SE Corner	20.1 15.2 3.4 18.7 7.5		Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2	TPH SIDE\BTM ND\ND SIS RESULTS	SIDE\BTM ND\ND BETEX	J.C. PER LAB	6/30/97
I D DATE: P I	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner	20.1 15.2 3.4 18.7 7.5		Pit 3 @ RE-SAMPLE Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\ND SIS RESULTS	SIDE\BTM ND\ND BETEX	J.C. PER LAB	6/30/97
DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner	20.1 15.2 3.4 18.7 7.5	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\ND SIS RESULTS TPH SIDE\BTM	SIDE\BTM ND\ND BETEX SIDE\BTM	J.C. PER LAB WITNESS	6/30/97
I D DATE: P I	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner	20.1 15.2 3.4 18.7 7.5		Pit 3 @ RE-SAMPLE Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E ANALYS ANALYS	TPH SIDE\BTM ND\ND SIS RESULTS TPH SIDE\BTM	SIDE\BTM ND\ND BETEX SIDE\BTM	J.C. PER LAB WITNESS PER LAB	6/30/97 DATE
DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SE Corner	20.1 15.2 3.4 18.7 7.5	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 PIT PIT	TPH SIDE\BTM ND\ND SIS RESULTS TPH SIDE\BTM SIS RESULTS TPH	BETEX SIDE\BTM BETEX SIDE\BTM	J.C. PER LAB WITNESS	6/30/97 DATE
DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SW Corner	20.1 15.2 3.4 18.7 7.5	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 PIT NO	TPH SIDE\BTM ND\ND SIS RESULTS TPH SIDE\BTM	SIDE\BTM ND\ND BETEX SIDE\BTM	J.C. PER LAB WITNESS PER LAB	6/30/97 DATE
DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SE Corner	20.1 15.2 3.4 18.7 7.5	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	TPH SIDE\BTM ND\ND SIS RESULTS TPH SIDE\BTM SIS RESULTS TPH	BETEX SIDE\BTM BETEX SIDE\BTM	J.C. PER LAB WITNESS PER LAB	DATE 6/30/97
P	Center NW Corner SW Corner SE Corner Center NW Corner SE Corner SW Corner SW Corner SE Corner Center SW Corner SE Corner	20.1 15.2 3.4 18.7 7.5	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 PIT NO	TPH SIDE\BTM ND\ND SIS RESULTS TPH SIDE\BTM SIS RESULTS TPH	BETEX SIDE\BTM BETEX SIDE\BTM	J.C. PER LAB WITNESS PER LAB	DATE 6/30/97



				·		=	SAMPLE A	REA
WELL NAM	IE	JAT 124 # 5						
SAMPLE DATE			6/30/97					
NOTES	4 POIN	T COMPOSIT	E SAMPLE	TAKEN 8" T	O 10" IN	ΓΟ ΡΙΤ		
	SIDEWALL							
•	1 POIN	IT GRAB SAN	IPLE TAKE	N 10" TO 12	' INTO BO	O MOTTC	ENTER	ì
•								
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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 14:53

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER # : 9707039

: JICARILLA PIT CLOSURES

WORK ID : JICARILL CLIENT CODE : APA01
DATE RECEIVED : 07/04/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9707039-01A

Sample ID: JAT 124 #5 SIDES

Collected: 06/30/97 12:20:00

Matrix: SOIL

Sump.						
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	0.0050 0.0050 0.0050 0.010 0.0050	100 100 100 100 100	07/08/97 07/08/97 07/08/97 07/08/97 07/08/97	SBTXME175 SBTXME175 SBTXME175 SBTXME175 SBTXME175

Lab ID: 9707039-01B

Sample ID: JAT 124 #5 SIDES

Collected: 06/30/97 12:20:00

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	07/09/97	SDRO040	

Lab ID: 9707039-02A

Sample ID: JAT 124 #5 BOTTOM

Collected: 06/30/97 12:30:00

Matrix: SOIL

Sample 15: 8111 = = 110						
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	0.0050 0.0050 0.0050 0.010 0.0050	100 100 100 100 100	07/08/97 07/08/97 07/08/97 07/08/97 07/08/97	SBTXME175 SBTXME175 SBTXME175 SBTXME175 SBTXME175



Page:2

Sample ID: 9707039-02B **Sample ID:** JAT 124 #5 BOTTOM

Collected: 06/30/97 12:30:00 **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	07/09/97	SDRO040

William P. Biava President

WORKORDER COMMENTS

: 07/11/97 DATE

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"

 $\overline{\text{NT}}$ = 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 Cust dy Record

7300 JEFFERSON, N.E. ALBUQUERQUE, NEW MEXICO F (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
6417 CHIMIANIA MEXICO 32320

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CIUUAU JUAHEZ, CHINDANDA MINIO SESSI	١
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ala Rubio D. 134 4 A 24.3 744 Stored over 30 days (additional fee) Disposed of (additional fee) Analysis Required Stored (30 days max) Returned to customer After analysis, samples are to be Received by: Signature 2-1-9> 977 Chamical THE Preservation Telephone No. (505) 774-6643 Relinquished by: Temp. Company Signature Reason Fax No. (505) 774-6624 Type / Size of Container 4029/1235 Project Name / Number JICARILLA PIT CLOSURES Samplers: (Signature) Sm. D. Bibyo Signature LOM. D. Brand ASSAICA, Del (1881) Sample Type 105 02/1200 /201 12:30 17.30 0221 Comments: Reason E E Defe City/State/ZipEarmington, NM 87401 4.40 75:01 TAT 124-45 SIDES JAT 124 #5 Cottom Sample Number / Location Address 304 N. Behrend Contract / Purchase Order / Quote __ Method of Shipment: Special Instructions: Relinquished by: Shipment No. 26 ----Company _ Signature 7 } Reason

Visitation (Co.)

RIO ARRIBA COUNT'Y, NM. SECTION 25 TOTAL PAY. ○ WELL HEAD LAND FARM 75' X40' X12" ⊢Id

JICARILLA APACHE 124 WELL #5

KORTH

DRAINAGE

NE/4 56/4

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:	M W PETF	ROLUEM			Telephone		505-325-0	318	
Address:		2855 SOUTH	SIDE RIV	/ER ROAD	/SUITE A/F	ARMING	TON, N.M.	87401-79 <u>4</u> 7	
Facility or W	ell Name:	JA	T 124#	5					
Location:		/Qtr Sec			T 25 N	R4W	_County	RIO ARRI	ВА
Land Type		JIC. TRIBAL							
Date Remed	liation Starte	ed:	6/27/97		Date Com	pleted:		8/17/98	
Remediation		Landfarmed			_Approx. cu	ıbic yards		111_	
		Composted			_				
		Other			REMEDIA	TED SOIL	TO BE PU	T BACK IN	PIT.
Depth to Gr	oundwater:		(pts)	00		Final Clo	osure Sam	pling	
Distance to		ral Stream:	(pts)	0	Sampling	Date:	8/17/98	Time:	1:45PM
Distance to or Watering	Nearest Lak	ce, Playa,	(pts	00	Sample R				
Ì	rotection Ar	ea:	(pts)0		pace (ppm) (ppr	0 n)ND	— Method	M8015
Distance To	Surface W	/ater:	(pts)0				020A (N	D)
1		TAL POINTS		0	4				
	CERTIFY T	HAT THE INF	ORMATI	ON ABOVE	IS TRUE A	AND COM	PLETE TO	THE BEST	OF MY
DATE:		9/14/98		_PRINTE	NAME		JEFF C	ROSS	
		Mu							
AFTER RE	VIEW OF T	HE SOIL REM HE JICARILLA	MEDIATION APACH	ON INFORI E TRIBE PI	MATION. C T CLOSUR	N-SITE R E ORDINA	EMEDIATION	ON IS APPR	ROVED IN
APPROVE	D: YE	s_X_	N	0	_(REASO	N)			
SIGNED:	Le	(Ma	l	DATE:		- /3-	98		_

M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

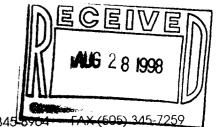
REMEDIATION SITE JAT 124 # 5		-	
AMOUNT OF SOIL UNDERGOING REMEDIATION	111	Yds.	
	SampDATE 8/17/98	TPH ND	BTEX ND
CELL No1			
DIMENSIONS(LxWxH) 75' X 40' X 12"			
CELL LOCATION (dir. from well head SOUTH			
* DATE BEGAN: 6/27/97			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm)	8/17/98	3	-
	SampDATE	TPH	BTEX
CELL No. 2			
DIMENSIONS(LxWxH)			
CELL LOCATION (dir. from well head			
* DATE BEGAN:			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm)		_
DATE TERMINATED (TEN 15,000 ppinto TEX 100 ppinto TEX	SampDATE	TPH	BTEX
CELL No. 3	- Camparite		
DIMENSIONS(LxWxH)			
CELL LOCATION (dir. from well head			
* DATE BEGAN:			
* DATE BEGAN: DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm	n)		
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm			_
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm/REMEDIATION RECORD: (Date, Treatment, Tilling) 7/2/97 TREAT SOIL CELL WITH 46-0-0 FERTILIZER, WATER, PLOW AND			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm/REMEDIATION RECORD: (Date, Treatment, Tilling) 7/2/97 TREAT SOIL CELL WITH 46-0-0 FERTILIZER, WATER, PLOW AND T/15/97 PLOW AND TILL SOIL CELL.) TILL.		
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm/BEMEDIATION RECORD: (Date, Treatment, Tilling) 7/2/97 TREAT SOIL CELL WITH 46-0-0 FERTILIZER, WATER, PLOW AND TILL SOIL CELL. 7/24/97 PLOW AND TILL SOIL CELL. 6/25/98 PLOW AND	O TILL.	L.	
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm/REMEDIATION RECORD: (Date, Treatment, Tilling) 7/2/97 TREAT SOIL CELL WITH 46-0-0 FERTILIZER,WATER,PLOW AND 7/15/97 PLOW AND TILL SOIL CELL. 7/24/97 PLOW AND TILL SOIL CELL. 6/25/98 PLOW AND 8/7/97 WATER,PLOW AND TILL SOIL CELL. 7/9/98 WATER,PL	O TILL. ND TILL SOIL CEL LOW AND TILL SO	OIL.	
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm/BTEX< 50 ppm/B	O TILL. ND TILL SOIL CEL LOW AND TILL SO ND TILL SOIL CEL	OIL. L.	
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm/REMEDIATION RECORD: (Date, Treatment, Tilling) 7/2/97 TREAT SOIL CELL WITH 46-0-0 FERTILIZER,WATER,PLOW AND 7/15/97 PLOW AND TILL SOIL CELL. 7/24/97 PLOW AND TILL SOIL CELL. 6/25/98 PLOW AND 8/7/97 WATER,PLOW AND TILL SOIL CELL. 7/9/98 WATER,PL	O TILL. ND TILL SOIL CEL LOW AND TILL SO ND TILL SOIL CEL D TILL SOIL CELL	OIL. .L.	

From excavation reports.

WELL NAME: SAMPLE DATE: DIMENSIONS:	JAT 124 #5 Cell 8-17-98 80' x40' x 12"	0	= SAMPLE AREA
			\bigcirc
NOTES:	ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 8 point composite sample		
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ASSAIGAI ANALYTICAL LABORATORIES, INC.



7300 Jefferson, NE • Albuquerque, New Mexico 87109 • (505) 345

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
Bi	analyte detected in Method Blank
Ε	result is estimated
H	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: 9808189

JICARILLA PIT CLOSURES

Client Sample ID	JAT 124	#5 C	ELL		mple SOI	L			Sample Collected	08/17/98 13:45:00
Fraction	QC Group	CAS#		Result	<u>Units</u>	Dilution <u>Factor</u>	Detection <u>Limit</u>	*	Sequence	Run <u>Date</u>
			Test: SW846 8015A/8020A GR	RO / Purgeable Arom	atics				VO 4000 704 49	08/21/98
9808189-01A	X98392	71-43-2	Benzene	ND	mg / Kg	50	0.005	i	XG.1998.704-18	00/21/30
0000100	X98392	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005		XG.1998.704-18	
	X98392	95-47-6	o-Xylene	ND	mg / Kg	50	0.005		XG.1998.704-18	
	X98392 X98392		p/m Xylenes	ND	mg / Kg	50	0.01		XG.1998.704-18	
	X98392	108-88-3	Toluene	ND	mg / Kg	50	0.005		XG:1998.704-18	
			Test: SW846 8015A Diesel Ra	nge Organics by GC	:/FID					
9808189-01B	X98389		Diesel Range Organics	ND	mg / Kg	25	25		XG.1998.699-17	08/21/98



Page 1 of 1



^{***} 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. ***



idress 2855 South Sige River Rd. STE. A

ent Apache Corporation

chain of custody mecord

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Project Manager / Contact <u>Jeff Cross</u>

6818 ammen

ALBUQUEHQUE, NEW MEXICO 87109 (505) 345-8964

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

MELQUIADES ALANIS
6411 LOCAL UNO '
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

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

	Stored over 30 days (additional fee)							Instructions:	È
	Stored (30 days max)					<u> </u> 		6	ent No
	After analysis, samples are to be: Disposed of (additional fee)	An			Comments:	ç		t of Shipment	ĕ
8Av.	1745 COMPANY 7 (AL)		Reason ALW YSIS	MAL	Company Reason	_	6.	ESPACKO COL	اً عُ
Culduy		the ANA	Signature (John . P.	DM. P. DIAVA	1.1	10/15/58 sign		1000	٦
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		×	TcE		8-17-96 1:45 Soil	8-17-%		13 -	
		<u>×</u>	1	402 91ASS	1:45 501	8-17-98	4 #5 cell	A JAT 124 #5	-
		1 By Od	Preservation Temp. Chemical	Type / Size of Container	Time Sample	Data	Field Sample Number / Location		MOUDTE TY
		×0.01/5/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/					r / Quote	ntract / Purchase Order / Quote	3
Remarks		mod	con My	Samplers: (Signature) Heff Cor	RES Samp	T CLOSU	pect Name / Number JICARILLA PIT CLOSURES	t Name / Number∑	Jec
	XX / / / / /		624	Fax No. (505) 774-6624		17401-79	y:State/ZipEarmington, NM 87401-7947	State/ZipEarmi	Y .,
	Analysis Required	_	74-6643	Telephone No. (505) 774-6643		120. 516	idress & 855 SouthSigh 12, URR 12d. Sife. A	ss 2 855 501	ď

Returned to customer