Distract III

1000 Rio Brazos Rd Energy, Minerals and Natural Resources Department

ADENUT 87410 A DAME CALLED R

FEE () 6 1999

State of New Mexico

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

11/	Monto					1100 5		
Opera <b>t</b> or:	Apache Corporation \ MW Petr	oleum		Telephone:		505 326 0	318	
Address:	2855 Southside River Road, Su	uite A, Farmi	ngton, NM	87401				
Facility or	Well Name:	Jic Apache	Tribal 124	#8				
Location:	Unit or Qtr/Qtr Sec	NW/SE	Sec 14	T 25 N	R 4W	County	Rio Arriba	
Pit Type:	Separator:	_Dehydrator_		Other	Blow Pit			
Land Type	e: Jicarilla Tribal							
	Beginning Pit Dimensions:	Length	25'	Width	15'	Depth	1 <u>4'</u>	
Pit Location:		Length	27'	- Width	18	_ Depth	n8'	
(Attach dia	Reference:	Wellhead	XXX	_Other				
	Footage from reference:		80		_			
	Direction from reference:		70	Degrees	XX	_East	North _	X
i						_West	South _	
(vertical dis	ts to seasonal elevation of			Less than 50 feet to Greater th			(20 points) _ (10 points) _ ( 0 points) _	0
Wellhead (Less that	d Protection Area: an 200 feet from a private water source, or; less than t from all other water sources)					Yes No	(20 points) ( 0 points)	0
(Horizon lakes, po	e To Surface Water: tal distance to perennial onds, rivers, streams, creeks, canals and ditches)			200 feet	n 200 feet to 1000 feet han 1000 fe		(20 points) (10 points) ( 0 points)	
irrigation	Canais and ditches)			RANKIN	G SCORE (	TOTAL PO	INTS)	0

ate Remediation Started:		7/24/97		_Date Comple	eted: <b>7/24/97</b>		
Remediation Method: (Check all appropriate		Excavation _	XXX	_Approx. cub	ic yards	120	
sections)	Landfarmed	-	XX	_Insitu Biorer	nediation		
		Other					
Remediation Location	:	Onsite	XX	Offsite			
(i.e. landfarmed onsite, name and location of offsite facility)		•					
General Description o	f Remedial Action:		Excavate	pit to 8', too	k PID readings	s. Spread soil on	
location for	remediation. Took	soil sampl	es.				
		<del></del>					
				-			
Groundwater Encoun	tered:	No	x	<u>K</u> Yes		Depth	
Final Pit:	Sample location	· · · · · · · · · · · · · · · · · · ·	4 point con	nposite sample	taken from pit side	ewalls. Grab sample	
Closure Sampling: (in multiple samples,		takan from n					
attach sample results		8' 8 to 10" into pit sidewalls 10" into pit bottom					
and diagram of sample locations and depths)	Sample depth	8.	8 to 10" i				
	Sample Date Sample results		7/24/9	7	Sample Time	4:40 PM	
	Benzene		(ppm)	ND			
	Total BTEX		(ppm)	ND			
	Field Headspace		(ppm)	18.88			
	TPH			Side/ND Btm/1700			
Groundwater Sample		Yes		_ No		res attach sample results)	
I HEREBY CERTIFY T KNOWLEDGE AND B		TION ABO	VE IS TRU	JE AND COM	PLETE TO THE	E BEST OF MY	
DATE	December 1, 199	8	PRINTE	O NAME	Jeff Cross		
SIGNATURE	Ist lion		_AND TIT	LE	Project Manag	ger	

### 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

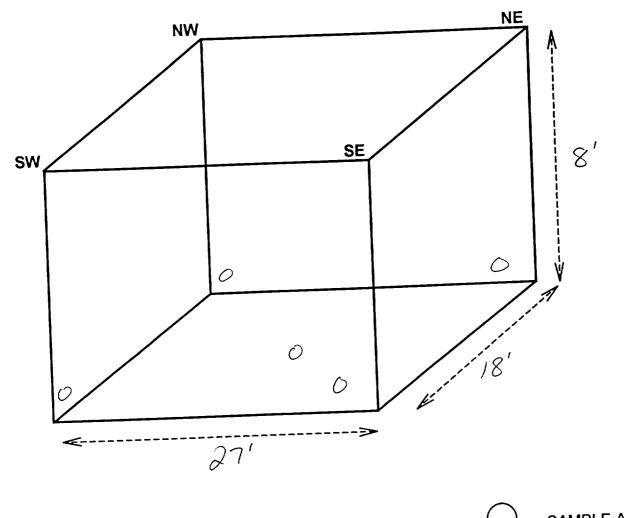
Operator:	M W PETROLEUM		_Telephone	505-325-0318		
Address:	2855 Southside River Ro	oad, Suite A, Farming	gton, NM 87	401		
Facility or W	ell Name:	JAT 124 # 8				
Location:	Unit or Qtr/Qtr Sec	NW\SE SEC 14	T 25 N	R 4 W County	Rio Arriba	
Pit Type:	Separator:	Dehydrator	Other	BLOW PIT		
Land Type:	Jicarilla Tribal					
Pit Location: (Attach diag		Length 27' Wellhead XX	Widtl	n <u>18'</u> Dep	th8'	
	Footage from refer		<del></del> :0'			
	Direction from refe		Degrees	XXEast	North	X
				West	South	
Depth To G (vertical distance contaminants to high water elevangroundwater)	seasonal		Less than 50 feet to Greater t		(20 points) (10 points) ( 0 points)	
Distance to	o an Ephemeral Stream: ent dry wash greater than vidth			n 100 feet han 100 feet	(10 points) ( 0 points)	0
(Downgradi	o Nearest Lake, Playa, or ent lakes, playas and wildlife watering ponds)			n 100 feet than 100 feet	(10 points) ( 0 points)	0
(Less than domestic w	Protection Area: 200 feet from a private ater source, or less than rom all other water source	s)		Yes No	(20 points) _ ( 0 points) _	0
(Horizontal	To Surface Water: distance to perennial ds, rivers, streams, creeks anals and ditches)	<b>'</b> ,	100 feet Greater	n 100 feet to 1000 feet than 1000 feet	(20 points) _ (10 points) _ ( 0 points) _	0
innyation G	anais and ditolles)		RANKIN	IG SCORE (TOTAL P	POINTS)	0

Date Remediation Starte	d: <u>7/24/</u> 9	7	Date Comple	eted:	7/24/97	
Remediation Method:	Excavation	xxx	Approx. cub	ic yards	120	
(Check all appropriate sections)	Landfarmed	xx	Insitu Biorer	mediation		
	Other					
Remediation Location: (i.e. landfarmed onsite, name and location of	Onsi	te XX	Offsite _			
offsite facility)  General Description of I	Remedial Action:		EXCAVATE	PIT TO 8', TOOK PI	D READINGS	•
	OIL ON LOCATION F					
Groundwater Encounte		No X			1	
Final Pit: Closure Sampling: (in multiple samples,	Sample location			n from pit sidewalls ken from pit bottom c	enter.	
attach sample results and diagram of sample locations and depths) Sample Da	ate	<u>8'</u> 7/24/97	_	Sample Time	4:40PM	
Sample re		(nnm)	ND	Water: Benzene	(ppb) _	NA
Soil:	Benzene	(ppm)	ND	Toluene	(ppb) _	NA
	Total BTEX	(ppm)	18.88	- Ethylbenzene		NA
	Field Headspace TPH	(ppm)	ND\SIDE	Total Xylenes		NA_
Groundwater Sample:	•	Yes	1700\BTM No	X(If yes at	tach sample re	esults)
I HEREBY CERTIFY TH KNOWLEDGE AND BE	AT THE INFORMATI	ION ABOVE I	S TRUE AN	D COMPLETE TO TI	HE BEST OF	MY
DATE	9/14/98	PRINTEI	D NAME	JEFF CF	ROSS	
	eff Con	AND TIT	LE	Project Manager		
AFTER REVIEW OF THE JICARILLA APAC		ORMATION	, PIT CLOSU ANCE.	IRE IS APPROVED I	N ACCORDAI	NCE TO
APPROVED: YES				1)		
SIGNED:	C man	QC	DATE:	//-/3-9	98	

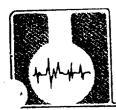
# APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

CATION	JAT 1	124 # 8				Review and Ap				
COUNT		1				EPO Represer Date of Reviev	v			_
		70407			FINISH	7 <i>1</i> 24/97			<del></del>	$\neg$
START	<del> </del>	7/24/97						T D	CU YDS	5
MENSIONS	<del></del>	10/	D			L	W	8'	120	
		W 15'	4'	Pit 1		27'	18'	\°	<del></del>	
it 1 25'		15'		Pit 2				<del> </del>		
it 2				Pit 3			<u></u>	<del> </del>	Pit 3 @	
it 3	4		D# 2 @	Pit 3 @	Date:	7/24/97	Pit 1 @ 8'	Pit 2 @	PICOLO	
TE: 7/24/9	97 Pit 1	1 @ 8'	Pit 2 @	11.00		Center	65.5	<u> </u>		
Center		65.5	<b> </b>	<del></del>	P	NW Corner	5.6	<u> </u>		
NW Corner	·\	5.6	ļ	<u> </u>	1 1	NE Corner	8.7	<u> </u>		
NE Corner		8.7			† ;	SW Corner	8.1			
D SW Corner		8.1			ا ا	SE Corner	6.5			
SE Corner		6.5				SE Comer				
	4/97 P	Pit 1 @ 8'	Pit 2 @	SOIL SAM	IPLING ANAL PIT		BETEX			_
7/2 Center		65.5	Pit 2 @		ANAL	TPH SIDE\BTM	SIDE\BTM	WITNE	SS DA	ΤE
Center P NW Corr	ner	65.5 5.6	Pit 2 @		ANAL' PIT	TPH	SIDE\BTM	WITNE	SS DA	ΤE
Center P NW Corr	ner ner	65.5 5.6 8.7	Pit 2 @		ANAL PIT NO	TPH SIDE\BTM	SIDE\BTM	WITNE	SS DA	TE
Center P NW Corr i NE Corr D SW Cor	ner ner	65.5 5.6 8.7 8.1	Pit 2 @	Pit 3 @	ANAL PIT NO 1 2 3	TPH SIDE\BTM	SIDE\BTM	WITNE	SS DA	TE
Center P NW Corr	ner ner	65.5 5.6 8.7	Pit 2 @		ANAL PIT NO 1 2 3	TPH SIDE\BTM ND\170	SIDE\BTM O ND\NC	WITNE J.C.	. 7/24	TE
Center P NW Corr I NE Corr D SW Corr SE Cor	ner ner ner	65.5 5.6 8.7 8.1 6.5		Pit 3 @ RE-SAMP	ANAL PIT NO 1 2 3	TPH SIDE\BTM ND\170	BETEX SIDE\BTM ND\NC	WITNE J.C.	. 7/24	TE 1/97
Center P NW Corr NE Corr SW Corr SE Cor	ner ner ner	65.5 5.6 8.7 8.1	Pit 2 @	Pit 3 @	ANAL PIT NO 1 2 3	TPH SIDE\BTM ND\170  VSIS RESUL	BETEX SIDE\BTM NO\NC	PER LA X WITNE	. 7/24	TE 1/97
Center P NW Corr NE Corr SW Corr SE Corr  DATE: Center	ner ner ner	65.5 5.6 8.7 8.1 6.5		Pit 3 @ RE-SAMP	ANAL PIT NO 1 2 3 LE ANAL	TPH SIDE\BTM ND\170  YSIS RESULT TPH	BETEX SIDE\BTM NO\NC	PER LA X WITNE	. 7/24	TE 1/97
Center P NW Corr NE Corr SW Corr SE Cor	ner ner ner	65.5 5.6 8.7 8.1 6.5		Pit 3 @ RE-SAMP	ANAL PIT NO 1 2 3 LE ANAL	TPH SIDE\BTM ND\170  YSIS RESULT TPH SIDE\BTM	BETEX SIDE\BTM NO\NC	PER LA X WITNE	. 7/24	TE 1/97
Center P NW Corr I NE Corr SW Corr SE Corr  DATE: Center	ner ner ner	65.5 5.6 8.7 8.1 6.5		Pit 3 @ RE-SAMP	ANAL PIT NO 1 2 3 LE ANAL PI' NO	TPH SIDE\BTM ND\170  YSIS RESULT T TPH SIDE\BTM	BETEX SIDE\BTM NO\NC	PER LA X WITNE	. 7/24	ΤE
Center P NW Corr NE Corr SW Corr SE Corr  DATE: P NW Co NE Conter P NW Co	ner ner ner ner	65.5 5.6 8.7 8.1 6.5		Pit 3 @ RE-SAMP	ANAL PIT NO 1 2 3 LE ANAL PI' NO 1 2 2 3 LE ANAL PI' NO 1 2	TPH SIDE\BTM ND\170  YSIS RESULT T TPH SIDE\BTM	BETEX SIDE\BTM NO\NC	PER LA X WITNE	. 7/24	TE 1/97
Center P NW Corr NE Corr SW Corr SE Corr  DATE: P NW Co NE Corr  Center P NW Co NE Co NE Co SW Co	ner ner ner ner	65.5 5.6 8.7 8.1 6.5		Pit 3 @  RE-SAMP Pit 3 @	ANAL PIT NO 1 2 3 LE ANAL PI NO 1 2 3	TPH SIDE\BTM ND\170  YSIS RESULT T TPH SIDE\BTM	BETEX SIDE\BTM NO\NC	PER LA X WITNE	. 7/24	TE 1/97
Center P NW Corr NE Corr SW Corr SE Corr  DATE: P NW Corr P NW Corr P NW Corr NE Corr	ner ner ner ner	65.5 5.6 8.7 8.1 6.5		Pit 3 @  RE-SAMP  Pit 3 @  RE-SAMP	ANAL PIT NO 1 2 3 LE ANAL PI NO 1 2 3 PLE	TPH SIDE\BTM ND\170  YSIS RESULT TPH SIDE\BTM	BETEX SIDE\BTM ND\NC TS BETE	PER LA X WITNI	BB ESS DA	TE 1/97
Center P NW Corr NE Corr SW Corr SE Corr  DATE: P NW Co NW Co NW Co SE Corr  P NW Co SW Corr  P NW Co SE Corr  DATE: Center P NW Co SE Corr  D SW Co	ner ner ner ner	65.5 5.6 8.7 8.1 6.5 Pit 1 @	Pit 2 @	Pit 3 @  RE-SAMP Pit 3 @	ANAL PIT NO 1 2 3 LE ANAL PI NO 1 2 3 PLE ANA	TPH SIDE\BTM ND\170  YSIS RESULT T TPH SIDE\BTM SIDE\BTM	BETEX SIDE\BTM ND\NC TS BETE A SIDE\BTM	PER LA  PER LA	BB ESS DA	TE
Center P NW Cor NE Cor SE Cor  DATE: P NW Co NE Co SE Cor  DATE: Center P NW Co NE Co SE Co  DATE: DATE:	ner ner ner ner rner rner	65.5 5.6 8.7 8.1 6.5		Pit 3 @  RE-SAMP  Pit 3 @  RE-SAMP	ANAL PIT NO 1 2 3 LE ANAL PI NO 1 2 3 PLE ANA	TPH SIDE\BTM ND\170  YSIS RESULT TPH SIDE\BTM SIDE\BTM SIDE\BTM SIDE\BTM TPH	BETEX SIDE\BTM ND\NC TS BETE A SIDE\BTM SIDE\BTM BETE	PER LA X WITNI M PER LA X WITNI M PER LA X WITNI	B ESS DA	TE 1/97
Center P NW Cor NE Cor SW Cor SE Cor  DATE: Center P NW Co NE Co SW Co SE Co  DATE: Center Center Center Cor Cor Cor Cor Cor Cor Cor Cor Cor Co	ner ner ner ner rner rner	65.5 5.6 8.7 8.1 6.5 Pit 1 @	Pit 2 @	Pit 3 @  RE-SAMP  Pit 3 @  RE-SAMP	ANAL PIT NO 1 2 3 LE ANAL PI NO 1 2 3 PLE ANA P ANA P ANA P ANA	TPH SIDE\BTM ND\170  YSIS RESULT T TPH SIDE\BTM SIDE\BTM	BETEX SIDE\BTM ND\NC TS BETE A SIDE\BTM SIDE\BTM BETE	PER LA X WITNI M PER LA X WITNI M PER LA X WITNI	BB ESS DA	TE
Center P NW Cor NE Cor SW Cor SE Cor  DATE: P NW Co NE Co NE Co D SW Co SE Co  DATE: P NW Co	ner ner ner ner mer mer mer mer mer mer mer mer mer m	65.5 5.6 8.7 8.1 6.5 Pit 1 @	Pit 2 @	Pit 3 @  RE-SAMP  Pit 3 @  RE-SAMP	ANAL PIT NO 1 2 3 LE ANAL PI' NO 1 2 3 PLE ANA PI' NO 1 2 3 PLE ANA P N	TPH SIDE\BTM ND\170  YSIS RESULT TPH SIDE\BTM SIDE\BTM SIDE\BTM SIDE\BTM SIDE\BTM TPH	BETEX SIDE\BTM ND\NC TS BETE A SIDE\BTM SIDE\BTM BETE	PER LA X WITNI M PER LA X WITNI M PER LA X WITNI	BB ESS DA	TE
Center P NW Cor NE Cor SW Cor SE Cor  DATE: Center P NW Co NE Co SW Co SE Co  DATE: Center Center Center Cor Cor Cor Cor Cor Cor Cor Cor Cor Co	ner ner ner ner mer mer mer mer mer mer mer mer mer m	65.5 5.6 8.7 8.1 6.5 Pit 1 @	Pit 2 @	Pit 3 @  RE-SAMP  Pit 3 @  RE-SAMP	ANAL PIT NO 1 2 3 LE ANAL PI NO 1 2 3 PLE ANA	TPH SIDE\BTM ND\170  YSIS RESULT TPH SIDE\BTM SIDE\BTM  LYSIS RESULT TPH SIDE\BTM  SIDE\BTM	BETEX SIDE\BTM ND\NC TS BETE A SIDE\BTM SIDE\BTM BETE	PER LA X WITNI M PER LA X WITNI M PER LA X WITNI	BB ESS DA	TE

Jicarilla Apache Tribal EPO/OCD/BLM



			= SAMPLE AREA
WELL NAM		JAT 124 # 8 7/24/97	
SAMPLE DA			
NOTES _	4 POIN	T COMPOSITE SAMPLE TAKEN 8	" TO 10" INTO PII
_	SIDEV	VALL	ACULATO POTTOM CENTER
_	1 POII	NT GRAB SAMPLE TAKEN 10" TO	12" INTO BOTTOM GENTER
-			
•			



# **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:

August 4, 1997 11:15

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

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER #

: 9707239

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED : 07/25/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9707239-01A

Sample ID: JAT 124 #8 PIT #1 SIDES

Collected: 07/24/97 16:40:00

Matrix: SOIL

Sample ==						
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE	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	07/29/97 07/29/97 07/29/97 07/29/97 07/29/97	SBTXME180 SBTXME180 SBTXME180 SBTXME180 SBTXME180

, ID: 9707239-01B

Sample ID: JAT 124 #8 PIT #1 SIDES

Collected: 07/24/97 16:40:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE	BATCH_ID	
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	ND	mg/Kg	25	25	07/30/97	SDRO44	

**Lab ID:** 9707239-02A

Sample ID: JAT 124 #8 PIT #1 BOTTOM

Collected: 07/24/97 16:45:00

Matrix: SOIL

Sample ID. OAT 124 #0 1	11 #1 5011011					
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	500 500 500 500 500	07/29/97 07/29/97 07/29/97 07/29/97 07/29/97	SBTXME180 SBTXME180 SBTXME180 SBTXME180 SBTXME180



Page: 2

ID: 9707239-02B Sample ID: JAT 124 #8 PIT #1 BOTTOM

**Collected:** 07/24/97 16:45:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	1700	mg/Kg	25	25	07/31/97	SDRO44

President

### **WORKORDER COMMENTS**

DATE

: 08/04/97

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

Pic.	+12+		
		ANAIS	ASSAIG
	ATORIES	IOAL	Ď

Chain of Custody Record

ddress 304 N. Behrend roject Name / Number JICARILLA PIT CLOSURES Samplers: (Signature) ontract / Purchase Order / Quote ity/State/zipEarmington, NM 87401 Went Apache Corporation Reason L Company -Signature\_ elinquished by: Method of Shipment: Special Instructions: į 9 Apache Cocp TATIZY & Pit # sides TATION & RIFI BOTTER Field Location Sample Number / Location ELLROX 7-25-97 9.00 7.24.97 4:40 Date Te Received by: Signature Company \_ Comments: Reason 4:45 TIME. 30, Sample Project Manager / Contact \_Jeff-Cross Fax No. (505) 774-6624 Telephone No. (505) 774-6643 Chia Adria 9 Type / Size of Container 402 4/455 Relinquished by: Reason Company Signature Temp. 48 Proservation
mp. Chemical The 53 No. of Containers QRQ mod 805 7/25/87 5.05M Atter analysis, samples are to be: Time. Disposed of (additional fee) Analysis Required Stored over 30 days (additional fee) Returned to customer Stored (30 days max) Received by: Reason Signature\_ Company Printed. anhRobi 

LABORATORY

ALBUQUERQUE, NEW MEXICO 87109

(505) 345-8964

WEDGEWOOD

NEDGEWOOD

NEDGEWOO

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

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## 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

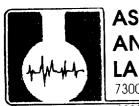
perator:	M W PETR	OLUEM			Telephone	)	505-325-0	318	
			HSIDE RIV	ER ROAD	/SUITE A	FARMING	TON, N.M.	87401-7947	
Idress:									
	ell Name: Unit or Qtr				T 25 N	R4W	County	RIO ARRIE	BA
ocation:							_		
and Type		JIC. TRIB	AL						
ata Romad	iation Starte	eq.	7/24/97		_Date Con	npleted:		6/14/98	
Remediation		Landfarme				cubic yards		120	
temediation	Metriod.				_				
		Composte	u		 SOIL TO	BE SPRE	AD ON LO	CATION.	
		Other			1				
Depth to Gr	oundwater:		(pts	)0		Final C	losure Sam	pling	
	an Epheme	ral Stream:	(pts	s) <u> </u>	Samplin	g Date:	6/14/9	8_Time:	10:30AM
			(pts		Sample	Results:			
Distance to or Watering	Nearest Lal Pond:	Ke, Flaya,	(1)	0	Field Head	dspace (ppm)	0_		
Wellhead F	Protection A	rea:	(pt	s) <u> </u>				Method	M8015
Distance To	o Surface W	/ater:	(pt	s) <u> </u>	1			8020A (N	D)
	SCORE (TO		ITS)	0		nei <u>bick</u>	(001040 ;		
KANKING	SEPTIEN 1	TIAT THE	NEORMAT	ION ABOV	/E IS TRU	AND CO	MPLETE TO	THE BEST	OF MY
KNOWLE	DGE AND B	ELIEF	iti Oran						
DATE:	_	9/14/	98	PRINTE	ED NAME			CROSS	
SIGNATU	RE	Mu	m	TITLE		PROJ	ECT MANA	AGER	
		00	DEMEDIAT	ONLINEO	MATION	ON-SITE	REMEDIAT	ION IS APPI	ROVED IN
ACCORD	ANCE TO T	HE JICARI	LLA APACI	IC INDL	, ,, 0200				
APPROV	ED: Y	ES X		NO	(REAS	SON)			
			,	1 0					
SIGNED:	1/-	-Cn	10 1	L DATE:	: /	11-13-	-98		

# M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE	JAT 124 # 8		•	
* AMOUNT OF SOIL UNDERGOIN	NG REMEDIATION	120	Yds.	
CELL No1		SampDATE 4/28/98	7PH <b>2400</b>	ND ND
	5/1 ¥ 10"	6/14/98	1100	ND_
DIMENSIONS(LxWxH) 60' X	54 X 12			
CELL LOCATION (dir. from well head	WEST			
* DATE BEGAN: 7/24/97				
DATE TERMINATED (TPH <5,000 ppm/	BTEX< 50 ppm/Benzene < 10 ppm)	6/14/98	3	•
		SampDATE	TPH	BTEX
CELL No. 2			<u> </u>	
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well head				
			<del> </del>	
* DATE BEGAN:			<u> </u>	<u> </u>
DATE TERMINATED (TPH <5,000 ppm	/BTEX< 50 ppm/Benzene < 10 ppm)			-
		SampDATE	TPH	BTEX
CELL No. 3			-	
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well head				
* DATE BEGAN:				
DATE TERMINATED (TPH <5,000 ppm	I/BTEX< 50 ppm/benzene < 10 ppm/			
REMEDIATION RECORD: (Date, Treat	ment, Tilling)	2011		
7/27/97 TREAT SOIL WITH 46-0-0 FEF	RTILIZER, WATER, PLOW AND TILL	SOIL.		
8/8/97 PLOW AND TILL SOIL. 4/21/98 PLOW AND TILL SOIL CELL.				
5/29/98 WATER, PLOW AND TILL SOIL	L CELL.			
6/11/98 PLOW AND TILL SOIL CELL.				

From excavation reports.

WELL NAME: SAMPLE DATE: DIMENSIONS:	JAT 124 # 8 6/14/98 60' X 54' 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		



# **ASSAIGAI ANALYTICAL** LABORATORIES, INC.

### JUN 26 1938

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** 

	<ul><li>explanation of codes</li></ul>
	analyte detected in Method Blank
;-;	result is estimated
Ŧ · ·	analyzed out of hold time
	tentatively identified compound
	subcontracted
3	see footnote

Assaigai Analytical Laboratories, Inc.

# Certificate of Analysis

Client:

**APACHE CORPORATION** 

Project: 9806213

**JICARILLA** 

resident of Assaigai Analytical Laboratories, Inc.

Client Sample ID	JAT 124	#8			Sample Matrix	SOIL				Sample Collected	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							XG.1998.550-13	06/17/98
9806213-01A	X98329	71-43-2	Benzene	ND		mg / Kg	50	0.005			QUITTUG
3000210 0	X98329	100-41-4	Ethylbenzene	ND		mg/Kg	50	0.005		XG.1998.550-13	
		95-47-6	o-Xylene	ND		mg / Kg	50	0.005		XG.1998.550-13	
	X98329	95-47-0		ND		mg / Kg	50	0.01		XG.1998.550-13	
	X98329		P/M-Xylenes ·					0.005		XG,1998.550-13	
	X98329	108-88-3	Toluene	ND		mg / Kg	50	0.005		70.1000.000	
			SW846-8015 Modified TPH								
9806213-01B	X98332		Diesel Range Organics	1100		mg / Kg	25	25	L	XG.1998.561-10	06/23/98
			·								



06/14/98

Sample

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

Remarks Company CO 3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-6000 (505) 345-8964 Disposed of (#ddittonal i
 Stored (30 days max) After analysis, samples are to be: Reason \_\_\_\_ 17 June & Signature Analysis Required 05:20 Vinan France PVA V **1**44 ICE Type / Size of Container Temp. Chemical Project Manager / Contact Jeff Cross Address 2855 South Side River RD, Ste. Archephone No. (505) 774-6643 Relinquished by: Signature くここここ ここここう Samplers: (Signature) 4 MWY Resson City/State/Zip Rarming Lon, NM 87401-7947. Fax No. (505) 774-6624 4 oz g 1858 4 oz glass イタイ 6/14/98 1030 Soil Sample 16 June Pagnature\_ TIM. Com ASSAIGAI ANALYTICAL LABORATORIES, INC. Oate Client Apache Corporation Sample Humber / Location Contract / Purchase Order / Quote 124 #8 Project Name / Number Method of Shipment: Relinquished by 2 6 1938 NUL Company Signature

りつくこ

LABORATORY

Special Instructions:

Shipment No.

iee)

Stored over 30 days (ado-

Returned to customer