District Menny 2. Fourt

State of New Mexico

1000**ក្រុះអ្នកអ្នកស្រី៤** & GAS**FINSPEC Mine**rals and Natural Resources Department

Submit 1 copy to Appropriate District

and 1 copy to

Aztec, NM 87410

DEC 1 7 1998

OIL CONSERVATION DIVISION

2040 S. PACHECO Santa Fe, New Mexico 87505

)ECEIV

Santa Fe Office

PIT REMEDIATION AND CLOSURE REPORT ...

	/								
Operator:	Apache Co	orporation			Telephone	: -	505-325-0	318	
Address:	2855 South	nside River Road, S	uite A, Farm	nington, NN	87401				<u>,                                     </u>
Facility or \	Well Name:		Apache #	125 #4		<del></del>			
Location:	Unit or Qtr/0	Qtr Sec	F	Sec 26	T 25 N	R 4W	County	Rio Arriba	
Pit Type:	Separator:		_Dehydrato	r	Other	Blow Pit	- · · · · · · · · · · · · · · · · · · ·		
Land Type	<u>.                                    </u>	Jicarilla Tribal							
	Beginn	ing Pit Dimensions:	Length	55'	Width	55'	Depth	3'	
Pit Location: (Attach dia		ng Pit Dimensions:	Length	60'	Width	60'	Depth	7'	
(Allacii dia	Refere	nce:	Wellhead	XXX	Other				
	Footag	ge from reference:		130'	*	-			
	Directi	on from reference:		264	Degrees		_East	North	
						XX	of West	South	x
Depth To	Groundwate	 er:			Less than s	50 feet	<del></del>	(20 points)	
(vertical dista	nce from				50 feet to 9	99 feet		(10 points)	
contaminants					Greater tha	an 100 feet		( 0 points)	0
high water ele groundwater)									
	Protection A						Yes	(20 points)	
	200 feet from	•					No	( 0 points)	0
		, or; less than r water sources)							
Distance 1	Γο Surface \	Water:			Less than 2	200 feet		(20 points)	
	distance to				200 feet to			(10 points)	
	ds, rivers, sti anals and di	reams, creeks,			Greater tha	an 1000 fee	t	( 0 points)	0
ii igadon Ca	anais anu ui	ici icə j			RANKING	SCORE (TO	OTAL POIN	TS)	0

	· · · · · · · · · · · · · · · · · · ·						
Date Remediation Sta	rted:	6/12/97		_Date Comp	oleted:	<del></del>	6/13/97
Remediation Method:		Excavation	xxx	_Approx. cu	bic yards		500
(Check all appropriate sections)	Landfarmed	ĺ	XX	_Insitu Biore	emediation		
		Other					
Remediation Location	1:	Onsite	xx	Offsite	-		
(i.e. landfarmed onsite, name and location of		onone,					
offsite facility)  General Description o	of Remedial Action:		Excavate	pit to 7', to	ok PID rea	dings.	
Spread soil	on location for rem	ediation. T	ook soil s	samples.	Contour	oit Soil cel	
	d on location. Soil				<del>.</del>		
10 20 op	d on location. Jen	DOII II E CO D.	but wat.	Villo pia			
<del></del>							
Groundwater Encoun	tered:	No <sub>.</sub>	X)	<u>(</u> Yes		_ Depth	1
Final Pit: Closure Sampling: (in multiple samples,	Sample location		4 point com	posite taken f	rom pit sidev	valls and pit I	bottom center
attach sample results							
and diagram of sample locations and depths)	Sample depth	<b>7'</b>	8 to 10" ii	nto pit sidev	walls 10" ir	nto pit bott	om
	Sample Date Sample results		6/13/97	7	Sample Ti	me	9:00 A.M.
	Benzene		(ppm)	ND			
	Total BTEX		(ppm)	ND			
	Field Headspace		(ppm)	10.44			
	TPH			ND	-		
Groundwater Sample:		Yes	•	_ No		<b>-</b>	ach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND BI		TION ABOV	E IS TRUI	E AND COM	PLETE TO	THE BES	T OF MY
DATE	June 24, 1998		PRINTED	NAME	Jeff Cros	s	
SIGNATURE	us cus		AND TITL	.E	Project M	anager	

# 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:	304 N. BEHREND, FARMINGTON, N	.M. 84701	
Facility or We	ell Name: JAT 125 # 4		
Location:	Unit or Qtr/Qtr Sec F SEC	26 T 25N R 4W County	RIO ARRIBA
Pit Type:	Separator:Dehydrator_	Other BLOW PIT	
Land Type:	JIC. TRIBAL		
Pit Location: (Attach diagra	Pit Dimensions: Length 60 am)  Reference: Wellhead XX  Footage from reference: 13	X Other	7'
	Direction from reference: 26		North
:			South X
Depth To Gr (vertical distance contaminants to s high water elevati groundwater)	from seasonal	50 feet to 99 feet	(20 points) (10 points) ( 0 points) <b>0</b>
	an Ephemeral Stream: nt dry wash greater than dth		(10 points)
(Downgradie	Nearest Lake, Playa, or Watering Pond nt lakes, playas and vildlife watering ponds)		(10 points) 0
(Less than 20 domestic wat	otection Area: 00 feet from a private er source, or less than m all other water sources)		(20 points)
(Horizontal di lakes, ponds,	Surface Water: istance to perennial rivers, streams, creeks, als and ditches)	100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) ( 0 points)
		RANKING SCORE (TOTAL POIN	ITS) <u>0</u>

Date Remedi	ation Start	ed: <u>5/29/</u> 97	7 le-12.97	_Date Comp	leted:	-13- 97
Remediation		Excavation	XXX	_Approx. cut	oic yards	500
(Check all applications)	propriate	Landfarmed	XX	Insitu Biore	mediation	
		Other				
Remediation (i.e. landfarm name and loc offsite facility	ed onsite, ation of	Onsite	e XX	Offsite _		
General Des	cription of	Remedial Action: Ex	cavate pit			soil on
	location fo	or remidiation. Took	soil sample		ure PIT ul #1 70 Be Spread o	o location.
Groundwate				<b>50:</b> (. Ce	•	
Final Pit: Closure Sam (in multiple sa	amples,	Sample location SIDEWAL			SAMPLE TAKEN 8 C	
attach sample and diagram		Sample depth 7'	8" to 10" ii	nto pit side w	alls ,10" into pit botto	m.
locations and	depths) Sample Da Sample re		6/13/97	,	Sample Time	9:00AM
	Soil:	Benzene	(ppm)	ND	Water: Benzene	(ppb) NA
		Total BTEX	(ppm)	ND_	Toluene	(ppb) NA
		Field Headspace	(ppm)	10.44	Ethylbenzene	(ppb) NA
		ТРН	(ppm)		Total Xylenes	(ppb) NA
Groundwate	r Sample:	Ye	s	ND\BTM No	XXX (If yes atta	ach sample results)
I HEREBY CI KNOWLEDG		IAT THE INFORMATI LIEF.	ON ABOVE	IS TRUE A	ND COMPLETE TO	THE BEST OF MY
DATE	6-15	-98	_PRINTED	NAME	JEFF CR	oss
SIGNATURE	Jeff	Slun	_AND TITL	.E .	PROJEC	T MANAGER
		IE PIT CLOSURE INF HE TRIBE PIT CLOS			URE IS APPROVED	IN ACCORDANCE TO
APPROVED:	YES	NO.	o	_(REASON)		
SIGNED: _	Ken	. C Man		DATE:	6-23-98	

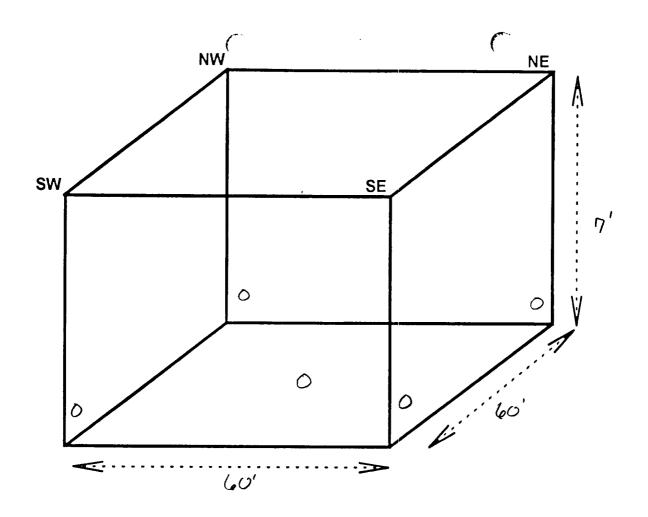
(

(

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

		Jicarilla Apache Tribal EPO/OCD/BLM
OCATION	JAT 125 # 4	Review and Approval
		OCD-BLM
PIT COUNT	1	EPO Representative
		Date of Review

		<u> </u>			Excavat				
IMEN	SIONS	START: 6/1	12/97		FINISH:	6/13/97			
	W	L	D			W	L	D	CU YDS
Pit 1	55'	55'	3'	Pit 1		60'	60'	7'	500
Pit 2		1		Pit 2					
Pit 3				Pit 3					1
110		Dit 1 @ 7'	D# 2 @			<u> </u>	Pit 1 @ 7'	Pit 2 @	Pit 3 @
*********	10 .	Pit 1 @ 7'	Pit 2 @	Pit 3 @	***************************************	S .	+	FIL 2 (W)	FIL 3 (b)
	Center	8.9	_		_	Center	8.9	<b></b>	
P	NW Corner	11.2			P	NW Corner	11.2	ļ	
- 1	NE Corner	1.1				NE Corner	1.1		
D	SW Corner	5			D	SW Corner	5		<u> </u>
	SE Corner	26	-			SE Corner	26		
OTES	S:			<del> </del>					
				, TOOK PID RE		(GOOD)			
						-,			
						<del></del>			-
					•			•	
	-								
-									
-									
				SOIL SAMP	LING				
)ATF	6/13/97	Pit 1 @ 7'	Pit 2 @	SOIL SAMP		NS RESULTS		PERIAB	ASSAIGA
)ATE:	6/13/97	Pit 1 @ 7'	Pit 2 @	SOIL SAMP	ANALYS	SIS RESULTS	I PETEY	PER LAB	
	Center	8.9	Pit 2 @		ANALYS	TPH	BETEX	WITNESS	ASSAIGA DATE
p	Center NW Corner	8.9 11.2	Pit 2 @		ANALYS PIT NO	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
	Center NW Corner NE Corner	8.9 11.2 1.1	Pit 2 @		ANALYS PIT NO 1	TPH	<del>4</del>	WITNESS	ASSAIGA DATE 6/17/97
p	Center NW Corner NE Corner SW Corner	8.9 11.2	Pit 2 @		ANALYS PIT NO	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
P	Center NW Corner NE Corner	8.9 11.2 1.1	Pit 2 @		ANALYS PIT NO 1	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
P	Center NW Corner NE Corner SW Corner	8.9 11.2 1.1 5	Pit 2 @		ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\ND	SIDE\BTM	WITNESS	DATE
P I D	Center NW Corner NE Corner SW Corner	8.9 11.2 1.1 5 26		Pit 3 @  RE-SAMPLE	PIT NO 1 2 3 OR CELL	TPH SIDE\BTM ND\ND  (S) SAMPLE	SIDE\BTM	WITNESS	DATE
P I D	Center NW Corner NE Corner SW Corner SE Corner	8.9 11.2 1.1 5	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3 OR CELL ANALYS	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C.  PER LAB	6/17/97
P I D	Center NW Corner NE Corner SW Corner SE Corner	8.9 11.2 1.1 5 26		Pit 3 @  RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT	TPH SIDE\BTM ND\ND  (S) SAMPLE	SIDE\BTM	JEFF C.	DATE
P I D D DATE:	Center NW Corner NE Corner SW Corner SE Corner  Center NW Corner	8.9 11.2 1.1 5 26		Pit 3 @  RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS PIT NO	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C.  PER LAB	6/17/97
P I D D ATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner	8.9 11.2 1.1 5 26		Pit 3 @  RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C.  PER LAB	6/17/97
P I D D	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner	8.9 11.2 1.1 5 26		Pit 3 @  RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C.  PER LAB	6/17/97
P I D DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner	8.9 11.2 1.1 5 26		Pit 3 @  RE-SAMPLE  Pit 3 @	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS TPH	SIDE\BTM ND\ND	JEFF C.  PER LAB	6/17/97
P I D DATE: P I D	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner	8.9 11.2 1.1 5 26		Pit 3 @  RE-SAMPLE  Pit 3 @	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C.  PER LAB	6/17/97
DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner	8.9 11.2 1.1 5 26		Pit 3 @  RE-SAMPLE  Pit 3 @	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS TPH	SIDE\BTM ND\ND	JEFF C.  PER LAB	6/17/97
P I D DATE: P I D	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner SW Corner	8.9 11.2 1.1 5 26	Pit 2 @	Pit 3 @  RE-SAMPLE  Pit 3 @  RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL ANALYS	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS TPH  (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND BETEX	JEFF C.  PER LAB  WITNESS  PER LAB	6/17/97 DATE
P D D DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner SE Corner	8.9 11.2 1.1 5 26	Pit 2 @	Pit 3 @  RE-SAMPLE  Pit 3 @  RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 7 PIT NO PIT	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS TPH	SIDE\BTM ND\ND	JEFF C.  PER LAB WITNESS	6/17/97
P D DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner SE Corner  Center NE Corner Corner Corner SE Corner	8.9 11.2 1.1 5 26	Pit 2 @	Pit 3 @  RE-SAMPLE  Pit 3 @  RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO PIT NO NO	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS TPH  (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND BETEX	JEFF C.  PER LAB  WITNESS  PER LAB	6/17/97 DATE
P I D DATE: P DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner SW Corner SE Corner  Center NE Corner  Center NW Corner SE Corner	8.9 11.2 1.1 5 26	Pit 2 @	Pit 3 @  RE-SAMPLE  Pit 3 @  RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS TPH  (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND BETEX	JEFF C.  PER LAB  WITNESS  PER LAB	DATE 6/17/97
P D DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner SE Corner  Center NE Corner Corner Corner SE Corner	8.9 11.2 1.1 5 26	Pit 2 @	Pit 3 @  RE-SAMPLE  Pit 3 @  RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO PIT NO NO	TPH SIDE\BTM ND\ND  (S) SAMPLE SIS RESULTS TPH  (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND BETEX	JEFF C.  PER LAB  WITNESS  PER LAB	DATE 6/17/97



WELL NAM	•	JAT	125 <sup>#</sup> 4 13.57		 =	SAMPLE AREA
	•			·		
NOTES .	SIDEW	ALL	SITE SAMPL			ENTER
-						



# **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 19, 1997 15:01

# **CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE**

JUN 23 10 V

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER #

: 9706146

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED: 06/13/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706146-01A

Sample ID: JAT 125 #4 SIDES PIT #1

**Collected:** 06/13/97 09:00:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xvlene	ND	mg/Kg	0.0010	500	06/17/97	SBTXME170
	ND	mg/Kg	0.0010	500	06/17/97	SBTXME170
	ND	mg/Kg	0.0010	500	06/17/97	SBTXME170
	ND	mg/Kg	0.0020	500	06/17/97	SBTXME170
	ND	mg/Kg	0.0010	500	06/17/97	SBTXME170

**Lab ID:** 9706146-01B

Sample ID: JAT 125 #4 SIDES PIT #1

Collected: 06/13/97 09:00:00

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	06/17/97	SDRO33

**Lab ID:** 9706146-02A

Sample ID: JAT 125 #4 BOTTOM PIT #1

**Collected:** 06/13/97 09:15:00

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	06/17/97	SBTXME170
	ND	mg/Kg	0.0010	500	06/17/97	SBTXME170
	ND	mg/Kg	0.0010	500	06/17/97	SBTXME170
	ND	mg/Kg	0.0020	500	06/17/97	SBTXME170
	ND	mg/Kg	0.0010	500	06/17/97	SBTXME170



Page: 2

L. D: 9706146-02B Sample ID: JAT 125 #4 BOTTOM PIT #1

**Collected:** 06/13/97 09:15:00 **Matrix:** SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	JUN 2 3 jagy	mg/Kg	50	25	06/17/97	SDRO33
			Dm.	E.P	7343C	

William P. Biava President

# **WORKORDER COMMENTS**

JUN 23

DATE : 06/19/97

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 Custody Hecord

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

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

ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964

705

1910 N. BIG E MIDLAND, TEX (915) 570-1116 MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Address 304 N. Behrend	g.		Teleph	Telephone No. (505)	(505) 774-6643		Analysis Required	
E	JVL8 MIN	5	. 2	E. N. (505) 774 6634		150		
City ) state / zipt a Lill Light City		3 0 11 5 0 1	L LAY INC	0		// 88/ /**		-
Project Name / Number TEART LILL CLASSIALE Samplers: (Signature)	Y 1 4 3 4777	CANDE ONE	Sample Sample	ars: (Signature)	/	DU	72018 " NIII / / / /	
Contract / Purchase Order / Quote			1		No. 01 C			
PAACTON County Mumber / Location	-	Date Time	Sample	Type / Stra of Container	mervation	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
1	1. D.11 (2.	1.87 9.00	7	2001 0 000	-			<del></del>
						7		T
JH1135#4 Pott. P.+1	17.2 7.41	27.6			)			Γ.
*					7	7		1
								<del>                                     </del>
					_			T
					2000		And Markey to the Company of the Com	;
-,								
7								
								<i>:</i>
elinquished by: //	Date	Received by:	7	W.	Relinquished by:	Date	Received by:	
Signature Juff Cum	- (4/5/17	Signature	- N	1.6	Signature		Signatur	
Printed / WEEF CLOSS	ηω•	Printed	(64/2	C. Green	Printed	Time	Printed	
company Aprela (DIO.	-	Company	44.12		Company		Сотрату	<del></del>
	ري 4	0					Gosean	

Disposed of (additional fee)
 Stored (30 days max)
 Stored over 30 days (additional fee)
 Returned to customer

After analysis, samples are to be:

Comments:

Method of Shipment:

Special instructions: Shipment No.\_\_

Dirt Farmceutz

60'LX 30'W X12"H

Dict FART Cell #1 1752 y 90 wx 2"H

M W PETROLEUM

JICARILLA APACHE TRIBAL 125 WELL 4

SE/4 NW/4 (P). FED. LEASE # 125

SECTION 28. TOWNSHIP 25N. RANGE 4W

RIO ARRIBA COUNTY, NM

PIT<sub>.</sub> (1)

27

TANK 100 BBL

WELL HEAD

₩W

( ;

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

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

Operator:	M W PET	ROLEUM	<del></del>		_Telephon	e	505-325-0	318	
Address:		2855 SOUTH	SIDE RI	VER ROAL	O / SUITE /	A / FARMIN	GTON, N. I	M. 87401-7	947
Facility or V	Vell Name:	JA	T 125#	4 CELL#	1				
Location:	Unit or Qt	r/Qtr Sec	F	Sec 26	T 25N	R 4W	_County	RIO ARF	RIBA
Land Type		JIC. TRIBAL			·				
Date Remed	diation Starte	e <u>d:</u> 6	6/12/97		_Date Corr	npleted:		5/21/98	J
Remediation	n Method:	Landfarmed		xxx	_Approx. c	ubic yards		416	
		Composted			_				
		Other			soil TO	spread	os loca	tion	
Depth to Gr	oundwater:		(pts)	0		Final Clo	sure Samp	ling	
Distance to	an Ephemer	al Stream:	(pts)	0	Sampling	Date:	5/21/98	_Time:	9:00AM
Distance to or Watering	Nearest Lak Pond:	e, Playa,	(pts)	0	Sample F		ND		
Wellhead P	rotection Are	ea:	(pts)	0	_	pace (ppm)	ND SEO	- Mothod	M9015
Distance To	Surface Wa	ater:	(pts)	0	TPH			_Method	M8015
RANKING S	SCORE (TO	TAL POINTS)		0	Otne	er <u>BTEX</u> \S	VV040 , 8U2	20A (N	,
	CERTIFY TH	IAT THE INFO LIEF	RMATIC	N ABOVE	I IS TRUE A	AND COMP	LETE TO T	HE BEST	OF MY
DATE:		6/15/98		PRINTED	NAME		JEFF CR	oss	
SIGNATUR	E Jes	of lun		TITLE		PROJEC <sup>*</sup>	T MANAGE	R	
AFTER REV		IE SOIL REME JICARILLA A						N IS APPR	OVED IN
APPROVED	D: YES		NO		_(REASON	Not-	for w	t an se	Bock fel
SIGNED:	Le	-C Meu		DATE:	6-1	23-98	,		<del></del>

# 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	ROLEUM			_Telephor	ne	505-325-	0318	
Address:	2855 SOUTHS	IDE RI	VER ROAL	) / SUITE	A / FARMIN	IGTON, N.	M. 87401-7	<u>′947</u>
Facility or Well Name:	JAT	125#	4 CELL#	2				
Location: Unit or Qtr	r/Qtr Sec	F	Sec 26	T 25N	R 4W	County	RIO ARR	≀iBA
Land Type	JIC. TRIBAL	<del> </del>						
Date Remediation Starte	ed: 6/°	12/97		_Date Con	npleted:		5/21/98	
Remediation Method:	Landfarmed		XXX	_Approx. (	cubic yards		67	
	Composted			•				
	Other			o.l To	Be put	Broki	op.t	
Depth to Groundwater:		(pts)	0		Final Clo	sure Samp	oling	
Distance to an Ephemera	al Stream:	(pts)	0	Sampling	Date:	5/21/98	_Time:	9:10AM
Distance to Nearest Lake or Watering Pond:	ક, Playa,	(pts)	0	Sample F				
Wellhead Protection Area	:a:	(pts)	0	]	space (ppm)	ND	-	
Distance To Surface Wa	iter:	(pts)	0	TPH		) <u>ND</u>		M8015
RANKING SCORE (TOT	「AL POINTS)		0	Othe	er <u>BTEX\S</u>	W846 , 802	20A (NE	))
I HEREBY CERTIFY THA KNOWLEDGE AND BEL		IOITAN	N ABOVE I	I IS TRUE A	ND COMPL	ETE TO T	HE BEST (	OF MY
DATE:	6/15/98	<del></del>	PRINTED	NAME		JEFF CR	oss	
SIGNATURE /	{ lws		TITLE		PROJECT	T MANAGE	<u> </u>	
AFTER REVIEW OF THI ACCORDANCE TO THE							I IS APPRO	OVED IN
APPROVED: YES	$\times$	NO.		(REASON	N) WSQ O	n Bi	ekfi	$\mathcal{U}$
SIGNED: Lieu	<u>CMan</u>	<u> </u>	DATE:	6-1	23-98			-

# M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE	JAT 125#4	· · · · · · · · · · · · · · · · · · ·	_	
* AMOUNT OF SOIL UNDE	RGOING REMEDIATION	500	Yds.	
		SampDATE	TPH	BTEX
CELL No. 1		5/21/98	660	ND
-	•			
DIMENSIONS(LxWxH)	120' X 90' X 12"			
,		·	<del>                                     </del>	†
CELL LOCATION (dir. from well	head SOUTH		†	<del>                                     </del>
<b>3000 300 300 300 300</b>			<del>                                     </del>	<del> </del>
* DATE BEGAN: 6/12/97		-	<del> </del>	†
5,12.5.			<u></u> .	1
DATE TERMINATED (TPH <5,00	00 ppm/BTEX< 50 ppm/Benzene < 10 pp	pm) 5/21/98	<del> </del>	-
		SampDATE	TPH	BTEX
CELL No. 2		5/21/98	ND	ND
	•			
DIMENSIONS(LxWxH)	60' X 30' X 12"			
,				<del> </del>
CELL LOCATION (dir. from well	head		<del> </del>	<del>                                     </del>
0 LL L 0 0 / (1 0 1 ) (d 11 0 11 0		<del></del>	<del>                                     </del>	
* DATE BEGAN: 6/12/97			<u> </u>	<del> </del>
		L	<u></u>	<u> </u>
DATE TERMINATED (TPH <5,00	00 ppm/BTEX< 50 ppm/Benzene < 10 p	pm)5/21/98		
		SampDATE	TPH	BTEX
CELL No. 3	_			
	•			
DIMENSIONS(LxWxH)				
			1	
CELL LOCATION (dir. from well)	head			
,				
* DATE BEGAN:				
			,1	1
DATE TERMINATED (TPH <5,00	00 ppm/BTEX< 50 ppm/Benzene < 10 pp	pm)		
				·
REMEDIATION RECORD: (Date				
	2 WITH 46-0-0 FERTILIZER,WATER,PI	LOW AND TILL SOIL		
7/10/97 WATER, PLOW AND TIL				
8/7/97 WATER, PLOW AND TILL	SOIL.			
9/9/97 TILL SOIL.	LDC DUCCDUCDUC 1111 DC LIME WA	TED DI OM AND TIL	- COII	
5/4/98 PLOW SOIL.	LBS PHOSPHORUS,111LBS LIME,WA	TER,PLOW AND TIL	L SUIL.	
5/7/98 TILL SOIL.				
5/20/98 PLOW AND TILL SOIL.				

<sup>\*</sup> FROM EXCAVATION REPORTS.

			NOTES:	0			0	DIMENSIONS:
		8 point composite sample	ALL SAMPLES TAKEN 10" TO 12" INTO CELL.		í		0	(Ø'x35'x/2"
				O		,	0	

WELL NAME: JAT 125 #4 Coll #2

С

= SAMPLE AREA

NOTES:	0	0	0	0
ALL SAMPLES TAKE	0	0		0
ALL SAMPLES TAKEN 10" TO 12" INTO CELL		0	O	0
	0	0	0	0
	0			$\Diamond$

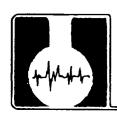
WELL NAME: SAT 125 44 Cell 41

SAMPLE DATE: 5-21-98

DIMENSIONS: 95' x 155' x 12"

**(** 

= SAMPLE AREA



# **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

**APACHE CORPORATION** attn: JEFF CROSS 2855 SOUTHSIDE RIVER RD STE A **FARMINGTON, NM 87401-7947** 



 * explanation of codes
 analyte detected in Method Blank
 result is estimated
 analyzed out of hold time
 tentatively identified compound
 subcontracted
 see footnote

Assaigai Analytical Laboratories, Inc.

# Certificate of Analysis

Client: Project:	APACHE 9805215		ORATION ARILLA		William PVBia	Va: President of	(	rical at	LT/ poratories, Inc.	
Client Sample ID	JAT 12	5 #4 C	ELL #1	Sai Ma	mple SOIL trix	-		<del></del>	Sample Collected	05/21/98 09:00:00
Fraction	QC Group	CAS#		Result	Units	Dilution Factor	Detection Limit	*	<u>Sequence</u>	Run <u>Date</u>
				<del></del>						
0005045 044	Vocana	71-43-2	SW846-8010/8020 Volatiles	ND	mg/Kg	50	0.005	. —	XG.1998.483-15	05/23/98
9805215-01A	X98288 X98288	100-41-4	Benzene	- ND	mg / Kg	50	0.005		XG 1998 483-15	
	X98288	95-47-6	Ethylbenzene o-Xylene	ND	mg / Kg	50	0.005		XG.1998.483-15	
	X98288	1	P/M-Xylenes	ND	mg / Kg	50	0.01		XG.1998.483-15	
	X98288	108-88-3	Toluene	ND	mg / Kg	50	0.005	:	XG.1998.483-15	
			SW846-8015 Modified TPH				- <del> </del>			
9805215-01B	X98289		Diesel Range Organics	660	mg / Kg	25	25		XG.1998.488-39	05/23/98
Client Sample ID	JAT 12	5 #4 C	ELL #2	Sa Ma	mple SOIL	<u> </u>			Sample Collected	05/21/98 09:10:00
						Dilution	Detection			Run
Fraction	QC Group	CAS#		Result	<u>Units</u>	<u>Factor</u>	<u>Limit</u>	*	Sequence	Date
			SW846-8010/8020 Volatiles							
980521 <b>5-02A</b>	X98288	71-43-2	Benzene	ND	mg / Kg	50	0.005		XG.1998.483-16	05/23/98
	X98288	100-41-4	Ethylbenzene	ND	mg / Kg	50	0 005		XG.1998.483-16	
	X98288	95-47-6	o-Xylene	ND	mg / Kg	50	0.005		XG.1998.483-16	
	X98288		P/M-Xylenes	ND	mg / Kg	50	0.01		XG.1998.483-16	
	X98288	108-88-3	Toluene	ND	mg / Kg	50	0.005		XG.1998.483-16	
			SW846-8015 Modified TPH							
9805215-028	X98289		Diesel Range Organics	ND	mg / Kg	25	25		XG 1998 488-40	05/23/98
9805215-028	X98289		Diesel Range Organics	ND	mg/Kg	25	25		XG 1998 488-40	U5/2



Report Date

/JUU JETT ERISUH, R.E.
QUERQUE, NEW MEXICO 87109
(505) 345-8964
3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

ASSAIGAI	Chain of Custody Record	ALBUQUERQUE, 115 (505) 34	JERQUE, 11E (505) 349
ANALYTICAL LABORATORIES, INC.	Lab fob no.: 52/5 Date 5/22/38	3337 EL PA (9	3332 WED EL PASO, TE (915) 59
Client Apache Corporation	Project Manager / Contact Jeff Cross		
Address 2855 Southside River RD, Ste. ATelephone No. (505) 774-6643	Ste. ATelephone No. (505) 774-6643	Analysis Required	Ulred
City/State/Zip Farmington, NM 87401-7947 Fax No. (505) 774-6624	7947 Fax No. (505) 774-6624		
Project Name / Number	Samplers: (Signature)		_
		2V / /	_

Address 44	Address 2000 SOUCHSING ALVEL AD, SLE Aleiephone No.	שחפייתג	DIA C	sphone No. 13031	100-11	1	•					_	
City / State / 2	City/State/ZipFarmington, NM 87401-7947	11-7947		Fax No. (505) 774	774-6624				/ / /		///		•
Project Name / Number _	/ Number		Sam	Samplers: (Signature) _	Jet 1	(40)	a south	<u>)</u>			<u></u>	Remarks	-
Contract / Pu	Contract / Purchase Order / Quote		I	<u>-</u>	<i>S</i>		TI Suppose	NY OB					·
FRACTION	Field Location : Sample Number / Location :	S. Date 12 Time		Sample Type / Size of Container Type		हिन्दी Preservation क्राप्ट Temp,   : Chemical	////	1/1/		///			
<u>x</u>	JAT 125 #4 CQ! #1	20:4 85-12-5	Soil	1 4 oz alass	53	Ice	\ \   \						
13		1 35-1	-	4,4	2		×						
\$	JAT125#4 Cell #2	6:10		, /		-	×						
28		1	-				× 						
Signature Printed Company Reason	Aparts Corp. 1:00)	Received by: Signature	4 1 1 1	Scott HAN	Relinquished by Signature Printed Company	25.55 5.68.7	The state of the s	22 1 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 mm 9	Date 22 MAL 9 Signature Time Company April		62	
Method of Shipment:	1	Comments:						Atter	ranalysis, se	After analysis, samples are to be:  Disposed of (additional:	e: Ionat :		
Shipment No.										Stored (30 days max)			
Special instructions: _										Stored over 30 days (ad: Returned to customer	ှာ	ree)	
								-					

LABORATORY