

State of New Mexico

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

APR 1 0 1998

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

PIT REMEDIATION AND CLOSURE REPORT

and the second of the	for description of the second								
Operator:	Apache Corporation				_Telephone	e:	505-325	-0318	
Address:	2855 Southside River Road,	Suite A, Far	mingto	n, N	M 87401				
Facility or	Well Name:	Apache	396 #9						····
Location:	Unit or Qtr/Qtr Sec	NEISE	Sec	7	T 23 N	R 3W	County	Rio Arriba	
Pit Type:	Separator:	Dehydrate	or		_Other	TANK DI	RAIN (Blov	w Pit)	
Land Type	: Jicarilla Tribal							······································	
Pit Location: (Attach dia	Pit Dimensions: agram) Reference: Footage from reference:	Lengt Wellhead		20	- _Other	157 20 TANK BA	··		
	Direction from reference:		1	0	_Degrees	X	East West	North _ of _ South	XX
(vertical dista contaminants high water ele groundwater) Wellhead (Less than domestic v	to seasonal evation of	ONL GO	101	19:37 [9)[et Yes No	(20 points) (10 points) (0 points) (20 points) (0 points)	0
(Horizonta lakes, pon	To Surface Water: al distance to perennial ads, rivers, streams, creeks, canals and ditches)		u y y		Greater th	o 1000 fee nan 1000 fe		(20 points) _ (10 points) _ (0 points) _ DINTS) _	0 0

1						
Date Remediation Sta	arted:	5/30/97		_Date Con	npleted:	7/8/97
Remediation Method: (Check all appropriate		Excavatio .	XXX	_Approx. c	cubic yards	148
sections)	Landfarmed	t	XX	_Insitu Bio	oremediation	
		Other			4.1	
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)		Onsite	XX	_Offsite		
General Description of Remedial Action Spread soil on location for re					took PID reading	ıs.
Groundwater Encoun	itered:	No _.	x	<u>(</u> Ye	es	Depth
Final Pit: Closure Sampling: (in multiple samples,	Sample location	grab sample			8 to 10" into pit sidew	walls,
attach sample results and diagram of sample	_					
and diagram of sample locations and depths)	,				ewalls 10" into p	oit bottom
	Sample Date Sample results	-	6/2/97		Sample Time	10:00 A.M.
	Benzene		(ppm)	ND	<u>)</u>	
	Total BTEX	i	(ppm)	ND	<u>)</u>	
	Field Headspace		(ppm)	1.32	<u>2</u>	
	TPH			ND-SIDES	<u>3</u>	
Groundwater Sample:		Yes_		ND-BTM _ No		es attach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND BE	HAT THE INFORMATELIEF.	10N ABOV	Æ IS TRU	E AND CO	MPLETE TO TH	E BEST OF MY
DATE	November 5, 1997		PRINTED	NAME	Jeff Cross	
SIGNATURE	iff lwn		AND TITL	E	Project Manage	er

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

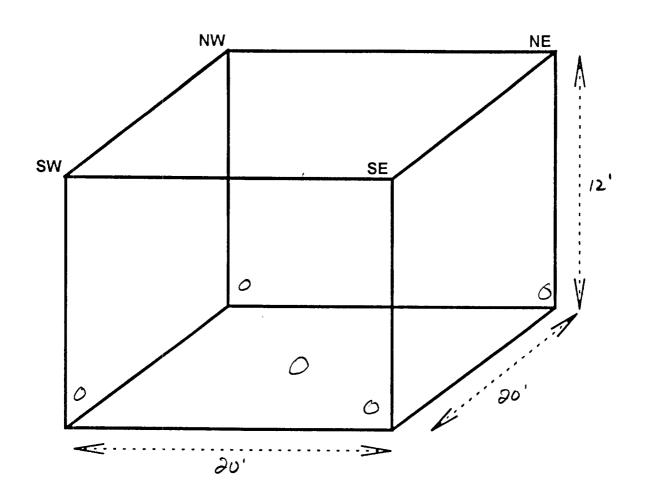
Submit 1 copy to

Natural Resource Dept.
and Oil & Gas Administration

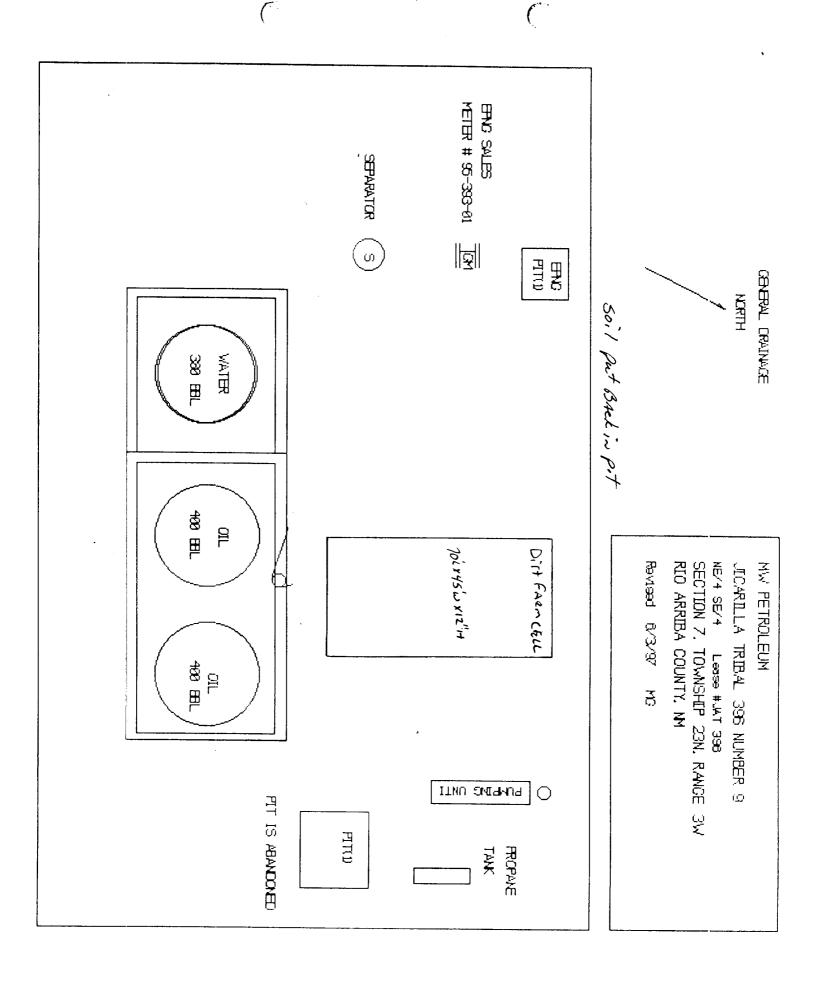
PIT REMEDIATION AND CLOSURE REPORT

Operator:	MW	/ PETROLEUM		·	_Telephone	505-32	25-0318		
Address:	304	N. BEHREND,	FARMINGT	ON, N.M.	84701		 -		
Facility or We	ell Na	ime:	JAT 396#	9		· · · · · · · · · · · · · · · · · · ·			
Location:	Unit	or Qtr/Qtr Sec	NE/SE	SEC 7	T 23N	R 3W	County	RIO ARRIB	Α
Pit Type:	Sepa	arator:	_Dehydrator		_Other	TANK DR	AIN (BLOW	PIT)	
Land Type:	<u>—</u>	JIC. TRIBA	AL						
Pit Location:		Pit Dimensions:	Length	20'	Width	20'	Depth	8'	
(Attach diagra	am)	Reference:	Wellhead	• · · · · · · · · · · · · · · · · · · ·	_Other	TANK BAT	TTERY		
		Footage from ref	erence:	30'	·	_			
		Direction from re	ference:	10	Degrees	X	_East	North	XX
Ē							of _West	South _	
Depth To Gro	ound	water:		· · · · · · · · · · · · · · · · · · ·	Less than :	50 feet		(20 points)	
(vertical distance f	from				50 feet to 9			(10 points)	
contaminants to se	easona	al			Greater than 100 feet (0 points)				
high water elevation groundwater)	on of								
Distance to a	n Ep	hemeral Stream	- -		Less than	100 feet		(10 points)	
		wash greater than				an 100 feet		(0 points)	0
ten feet in wid	th							(
Distance to N	leare	est Lake, Playa, c	r Watering	Pond:	Less than	100 feet		(10 points)	
		es, playas and	J			an 100 feet		(0 points)	0
livestock or wi	ildlife	watering ponds)	أوالمراق المعاملة المعاملة	www.	na group			` ' _	
			DEG		- [iii]				
Wellhead Pro			חול ביים	uname des 143 limit		Yes		(20 points)_	·
domostic wate		t from a private irce, or less than	nn DEC	1 0 1997	. Samuel	No		(0 points) _	0
1000 feet from	n all c	other water source	24 an a	~n= =	הואמ				
		outer water course	WILL (G(DIVI. D	liVo				
Distance To S	Surfa	ice Water:	D [T. 3	Less than 1	100 feet		(20 points)	
(Horizontal dis					100 feet to			(10 points)	
		s, streams, creeks	,		Greater tha	an 1000 fee	t	(0 points)	0
irrigation cana	is an	d ditches)			RANKING	SCORE (T	OTAL POIN	ITS) _	0
									

Date Remedi	iation Star	ted: 5/3	0/97	Date Comp	oleted:		7/8/97	
Remediation		Excavat	on XXX	Approx. cu	bic yards		148	
(Check all apposections)	propriate	Landfarr	ned XX	Insitu Biore	emediation	1		
		Other						
Remediation (i.e. landfarm name and loc offsite facility)	ed onsite, ation of	Oı	nsite XX	Offsite				
General Des	cription of	Remedial Action	: Excavate pit	to 8',took P	ID readin	gs. spread :	soil on	
	location f	or remidiation. To	ook soil samp	les.				
Groundwate	r Encounte	ered:	No xxx	Yes		_ Depth	<u> </u>	_
Final Pit: Closure Sam	. •	Sample location		COMPOSITE		-		
(in multiple sa attach sample	•	SIDE	VALLS , GRAI	B SAMPLE T	AKEN 10"	INTO PIT B	SOTTOM C	ENTER.
and diagram locations and	•	Sample depth	8" to 10"	into pit side v	valls ,10" i	nto pit botto	m.	
	Sample Da Sample re		6/2/9	97	Sample 1	Ti <u>me</u>	10:00AM	
	Soil:	Benzene	(ppm)	ND	Water:	Benzene	(ppb)	<u>N/A</u>
		Total BTEX	(ppm)	ND		Toluene	(ppb)	N/A
		Field Headspace	(ppm)	1.32	. Et	hylbenzene	(ppb)	N/A
		ТРН	(ppm)	ND-SIDES	. То	otal Xylenes	(ppb)	N/A
Groundwate	r Sample:		Yes	ND-BTM No	XXX	(If yes atta	ich sample	results)
I HEREBY CI KNOWLEDG		IAT THE INFORM LIEF.	ATION ABOV	E IS TRUE A	ND COMI	PLETE TO 1	THE BEST	OF MY
DATE	9-8	22-97	PRINTE	D NAME	-	JEFF CR	oss	
SIGNATURE	J	22.97 Liff lws	AND TIT	LE		PROJECT	MANAGE	R
		IE PIT CLOSURE HE TRIBE PIT CL			SURE IS A	APPROVED	IN ACCOR	DANCE TO
APPROVED:	YES	$\frac{\lambda}{\lambda}$	NO	(REASON))			
SIGNED:	Kou	C. Man	all	DATE:	9.	-30 - 9	> 7	



		= SAMPLE ARE:A							
WELL NAME	JAT 346#9								
SAMPLE DATE	6-2-97								
NOTES 4 POIN	IT COMPOSITE SAMPLE TAKEN	N 8" TO 10" INTO PIT							
SIDEV	SIDEWALL								
1 POII	1 POINT GRAB SAMPLE TAKEN 10" TO 12" INTO BOTTOM CENTER								
 									
									
 									
									



M W PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JAT 396 #9

LOCATION

PIT CO					Ì	OCD-BLM			
PIT COUNT 1						EPO Represe		·	
					ŀ	Date of Revie	. YY		
					Excavation	nc		1	
DIMENS	SIONS	START: 5/30	/97		FINISH:				
	W	L L	D D			W	Ĺ	D	CU YD:3
Pit 1	15'	15'	4'	Pit 1		20'	20'	8'	118
Pit 2			L	Pit 2					
Pit 3				Pit 3					
		Pit 1 @ 8'	Pit 2 @	Pit 3 @			Pit 1 @	Pit 2 @	Pit 3 @
	Center	1.1				Center			
P	NW Corner	2.3			ļρ	NW Corner			<u> </u>
1	NE Corner	0.8				NE Corner			ļ
D	SW Corner	0.9] b	SW Corner			
	SE Corner	1.5				SE Corner			
NOTES									
	5/30/97 STAF	RT EXCAVATI	ION ON PIT .	. LIGHT STAINI	ING , LIGI	HT ODOR.			
				PIT BOTTOM, N					
	PID READING	GS GOOD, TA	AKE SOIL SA	AMPLES AND SE	ENT TO A	SSAIGAI LABS	S.		
				SOIL SAMPI					
DATE:	6/2/97	Pit 1 @ 8'	Pit 2 @	SOIL SAMPI	ANALYS	SIS RESULTS		PER LAB	ASSAIGAI
	Center	1.1	Pit 2 @		ANALYS PIT	TPH	BETEX	PER LAB WITNESS	ASSAIGAI DATE
DATE:	Center NW Corner	1.1 2.3	Pit 2 @		ANALYS	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
	Center	1.1	Pit 2 @		ANALYS PIT NO 1	TPH			
P	Center NW Corner	1.1 2.3 0.8 0.9	Pit 2 @		ANALYS PIT NO 1 2	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
α	Center NW Corner NE Corner	1.1 2.3 0.8	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\ND	SIDE\BTM	WITNESS	DATE
a – o	Center NW Corner NE Corner SW Corner SE Corner	1.1 2.3 0.8 0.9 1.5		Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL	TPH SIDE\BTM ND\ND L(S) SAMPLE	SIDE\BTM ND\ND	JEFF C.	DATE
α	Center NW Corner NE Corner SW Corner SE Corner	1.1 2.3 0.8 0.9	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3 OR CELL	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	6/9 ⁹ 7
a – o	Center NW Corner NE Corner SW Corner SE Corner	1.1 2.3 0.8 0.9 1.5		Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT	TPH SIDE\BTM ND\ND L(S) SAMPLE	SIDE\BTM ND\ND	JEFF C.	DATE
P - D	Center NW Corner NE Corner SW Corner SE Corner	1.1 2.3 0.8 0.9 1.5		Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	6/9 ⁹ 7
P I D D	Center NW Corner NE Corner SW Corner SE Corner	1.1 2.3 0.8 0.9 1.5		Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	6/9 ⁹ 7
P I D D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner	1.1 2.3 0.8 0.9 1.5		Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	6/9 ⁹ 7
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner	1.1 2.3 0.8 0.9 1.5		Pit 3 @ RE-SAMPLE Pit 3 @	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS TPH	SIDE\BTM ND\ND	JEFF C. PER LAB	6/9 ⁹ 7
P D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NW Corner SE Corner SW Corner SE Corner	1.1 2.3 0.8 0.9 1.5		Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3 FOR CELL COR CELL	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS TPH L(S) SAMPLE	SIDE\BTM ND\ND BETEX	JEFF C. PER LAB WITNESS	6/9 ⁹ 7
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NW Corner SE Corner SW Corner SE Corner	1.1 2.3 0.8 0.9 1.5		Pit 3 @ RE-SAMPLE Pit 3 @	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3 FOR CELL COR CELL	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS TPH	SIDE\BTM ND\ND BETEX	PER LAB PER LAB PER LAB	DATE 6/9'97 DATE
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NW Corner SE Corner SW Corner SE Corner	1.1 2.3 0.8 0.9 1.5	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3 FOR CELL COR CELL	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS TPH L(S) SAMPLE	SIDE\BTM ND\ND BETEX	JEFF C. PER LAB WITNESS	6/9 ⁹ 7
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SW Corner	1.1 2.3 0.8 0.9 1.5	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3 FOR CELL ANALYS ANALYS ANALYS	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS TPH L(S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND BETEX	PER LAB PER LAB PER LAB	DATE 6/9'97 DATE
P. I. D. DATE: P. I. D. DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SE Corner Center Corner Corner Corner Corner Corner Corner Corner Corner	1.1 2.3 0.8 0.9 1.5	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 PIT PIT NO P	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS TPH L(S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND BETEX	PER LAB PER LAB PER LAB	DATE 6/9'97 DATE
P I D DATE: P I D	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SE Corner Center NE Corner Corner SW Corner SE Corner	1.1 2.3 0.8 0.9 1.5	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO PIT NO PIT NO	TPH SIDE\BTM ND\ND L(S) SAMPLE SIS RESULTS TPH L(S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND BETEX	PER LAB PER LAB PER LAB	DATE 6/9'97 DATE

Jicarilla Apache Tribal EPO/OCD/BLM

Review and Approval



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 11, 1997 14:54

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER #

: 9706038

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED : 06/04/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706038-01A

Sample ID: JAT 396 #9 PIT #1 SIDES

Collected: 06/02/97 10:00:00

Matrix: SOIL

						<u></u>
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	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0020 0.0010	500 - 500 500 500 500	06/09/97 06/09/97 06/09/97 06/09/97	SBTXME167 SBTXME167 SBTXME167 SBTXME167 SBTXME167

Lab ID: 9706038-018

Sample ID: JAT 396 #9 PIT #1 SIDES

Collected: 06/02/97 10:00:00

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	06/06/97	SDRO31

Lab ID: 9706038-02A

Sample ID: JAT 396 #9 PIT #1 BOTTOM

Collected: 06/02/97 10:30:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167
	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167
	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167
	ND	mg/Kg	0.0020	500	06/09/97	SBTXME167
	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167



Page: 2

Lab ID: 9706038-02B Sample ID: JAT 396 #9 PIT #1 BOTTOM

Collected: 06/02/97 10:30:00 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	ND	mg/Kg	50	25	06/06/97	SDRO31

William P. Biava President

WORKORDER COMMENTS

DATE :

: 06/11/97

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

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

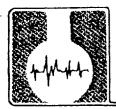
Operator: <u>M W P</u> I	ETROLEUM			Telephon	ne	505-325-0	J318	
Address:	304 N. BEHRE	ND, FAF	RMINGTO	N , N.M.	87401			
Facility or Well Name	:JA1	Г 396 # 9	J					16.4
Location: Unit or 0	Qtr/Qtr Sec N	IEISE (Sec 7	T 23N	R 3W	_ County	County RIO ARRIBA	
Land Type	JIC. TRIBAL							
Date Remediation Sta		/30/97		Date Cor	mpleted:		7/8/97	
Remediation Method:				_	cubic yards			
Remediation wethod.	Composted Other	-		_ Approx. <			170	
Depth to Groundwater	0		Final Clo	sure Samp	oling			
Distance to an Ephem	neral Stream:	(pts)_	0	Sampling	g Date:	7/8/97	_Time:	12:00PM
Distance to Nearest Lor Watering Pond:	ake, Playa,	(pts)	0	Sample F				
Wellhead Protection A	√rea:	(pts)_	0		space (ppm)		— Method	M8015
Distance To Surface \	Nater:	(pts)_	0]	(ppm) er BTEX \S		<u> </u>	
RANKING SCORE (T	OTAL POINTS)	-	0	-	el DILX (O	100040 , 002	20/1 (112	<u>, , </u>
I HEREBY CERTIFY KNOWLEDGE AND E	BELIEF							OF MY
DATE:	9-22-97 Iff (wn	h	PRINTED	NAME		JEFF CF	ROSS	
SIGNATURE	liff (won		FITLE		PROJEC	T MANAGE	∃R	
AFTER REVIEW OF ACCORDANCE TO T							V IS APPRO	OVED IN
APPROVED: YI	ES_ <u>×</u>	NO_		_(REASO	N) We .	ar Bar	& fill	_
SIGNED: Kee	i C. Maml	[DATE:	9/30	0/97			-

M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE		JA1 396 # 9		_	
* AMOUNT OF SOIL U	NDERGOIN	IG REMEDIATION	148	Yds.	
			SampDATE	TPH	BTEX
CELL No.	1		7/8/97	ND	ND
DIMENSIONS(LxWxH)	80' X :	50' X 12"			<u> </u>
CELL LOCATION (dir. from	well head	WEST			
* DATE BEGAN: 5/3	30/97	<u> </u>			
DATE TERMINATED (TPH	<5,000 ppm/E	BTEX< 50 ppm/Benzene < 10 ppm	7/8/97	7	-
			SampDATE	TPH	BTEX
CELL No.	2			<u> </u>	
DIMENSIONS(LxWxH)				-	

CELL LOCATION (dir. from	well head				
* DATE BEGAN:					
DATE TERMINATED (TPH	<5,000 ppm/E	 BTEX< 50 ppm/Benzene < 10 ppm	1)		
	· · · · · · · · · · · · · · · · · · ·			T ==	- 5==\(\frac{1}{2}\)
CELL No.	3		SampDATE	TPH	BTEX
<u> </u>				 	
DIMENSIONS(LxWxH)					
051110047101171					NEW.
CELL LOCATION (dir. from	well head			<u> </u>	
* DATE BEGAN:					
DATE TERMINATED (TPH	<5,000 ppm/8	BTEX< 50 ppm/Benzene < 10 ppm	1)		-
REMEDIATION RECORD:	(Date, Treatm	ient, Tilling)			
		R,PLOWED AND TILLED SOIL.			
6/15/97 WATER AND TILL					
7/7/97 WATER AND TILL S 7/8/97 TOOK SOIL SAMPL		T TO ACCALCALL ADC			
110191 TOOK SOIL SAWIFE	ES AND SEN	T TO ASSAIGAI LABS.			
				 ·	
					·

From excavation reports.



ASSAIGAI ANALYTICAL LABORATORIES, INC.

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3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

Report Generated: July 18, 1997 13:17

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

ATTN: JEFF CROSS

WORKORDER # : 9707105

: JICARILLA PIT CLOSURES WORK ID

: APA01 CLIENT CODE DATE RECEIVED : 07/11/97

Page: 1

Lab ID: 9707105-01A

Sample ID: JAT 396 #9 CELL

Collected: 07/08/97 12:00:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND	mg/kg	0.0050	100	07/16/97	SBTXME177
	ND	mg/kg	0.0050	100	07/16/97	SBTXME177
	ND	mg/kg	0.0050	100	07/16/97	SBTXME177
	ND	mg/kg	0.010	100	07/16/97	SBTXME177
	ND	mg/kg	0.0050	100	07/16/97	SBTXME177

_ab ID: 9707105-01B

Sample ID: JAT 396 #9 CELL

Collected: 07/08/97 12:00:00

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	25	25	07/16/97	SDRO41

President

Untiliage



WORKORDER COMMENTS

DATE : 07/18/97

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

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		$\bigcap_{\mathbb{N}}$	2	,

Slient Apache Corporation

Chain of Custody Record

Project Manager / Contact _Jeff.-Cross-

Page |

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Address 304 N.	N. Behrend			Telenhone	Telephone No (SOS) 774-8843	74-8843		/	•		
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ity / State / ZipE	ity/State/zipEarmington, NM 87401	7401		Fax No. ↓	Fax No. (505) 774-6624	624		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/	/	•
roject Name / N	roject Name / Number JICARILLA PI	PIT CLOSURES		Samplers:	Samplers: (Signature) John Muhr	In Muhi	isinera			\ \ \	
Contract / Purcha	contract / Purchase Order / Quote						01 Con	(E) 		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
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FRACTION HUMBER	Sample Number / Location	Oata	Time S	Sample Type	Type / Size of Container	Preservation Temp. Chemical	7 /BO	7	\ \ \	\	•
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clai Instructions:									Stored over 30 days (additional fee)	x) (additional fee)	
									Returned to customer	ē	_

ALBUQUERQUE, NEW MEXICO 87109
(505) 315-8964

3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-5000

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

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

= SAMPLE AREA composite PIO Reading 0.0 ppm. TEN Point composite Struple ALL SAMPLES TAKEN 10" TO 12" INTO CELL 80×50×12" JAT 394 #9 7-8-97 SAMPLE DATE: WELL NAME: DIMENSIONS: NOTES: