TO BEPHTAYOUR & GAS FINE WY Minerals and Natural Resources Department

State of New Mexico

Submit 1 copy to Appropriate District and 1 copy to

Aztec, NM 87410

FEB 0 8 1999

OIL CONSERVATION DIVISION

Santa Fe Office 2040 S. PACHECO Santa Fe, New Mexico 87505 PIT KEMEDIATION AND CLOSURE REPORT

Operator: Apache Corporation								318 DISTIL	<u>. </u>
Address: 2855 Southside River Road, S	uite A, Farm	ingto	n, NN	N 87401		·			
facility or Well Name:	APACHE '	129							
ocation: Unit or Qtr/Qtr Sec	<u>P</u>	Sec	14	T 24 N	R_	4W	County	Rio Arriba	
Pit Type: Separator:	_ Dehydrato	r		Other	Sepa	rator	/Tank Drai	<u>n</u>	
and Type: Jicarilla Tribal	**	,							
Beginning Pit Dimensions:	Length	1	30	' Width	າ	30'	Depth	5'	
Pit Location: Ending Pit Dimensions: (Attach diagram)	Length	·	30	' Width	۱ <u> </u>	30'	Depth	<u>11'</u>	
Reference:	Wellhead	X	XX	_Other					
Footage from reference:			125	•	_				
Direction from reference:		1	70	_Degrees		<u>x</u>	_East o	North	
							_West	South	XX
Depth To Groundwater:				Less than			<u></u>	(20 points)	
(vertical distance from			•	50 feet to Greater th				(10 points) (0 points)	0
contaminants to seasonal high water elevation of groundwater)				Greater ti	iaii io	0 .000		(
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 sources)							No	(0 points)	0
				1 Al	- 200 4	inat		(20 points)	
Distance To Surface Water: (Horizontal distance to perennial				Less than 200 feet t				(10 points)	
lakes, ponds, rivers, streams, creeks,				Greater th	han 10)00 fe	et	(0 points)	0
irrigation canals and ditches)				RANKING	G SCC	RE (TOTAL POI	NTS)	0

Date Remediation Start	ed:	11/2/95		Date Complet	ted:		11/30/95
Remediation Method:		Excavation	XXX	Approx. cubic	yards _		200
(Check all appropriate sections)	Landfarmed	! <u>.</u>	xx	Insitu Biorem	ediation _		
		Other					
Remediation Location: (i.e. landfarmed onsite, name and location of		Onsite	XX	Offsite			
offsite facility) General Description of	Remedial Action:		Excavate	oit to 11', too	k PID read	ings. Back	fill pit with
clean soil. F	Remediated soil to	be spread	on location	. Spread so	il on location	on for reme	diation.
Took soil sa							
					_		
Groundwater Encount	ered:	No	XX	Yes_		Depth _	
• • • • • • • • • • • • • • • • • • • •	Sample location		5 point com	posite sample t	aken from pi	t sidewalls an	d pit
Closure Sampling: (in multiple samples,			bottom cen	ter.			
attach sample results and diagram of sample	Sample depth	11'	8 to 10" i	nto pit sidew	alls 10" int	to pit botto	<u> </u>
locations and depths)	Sample Date Sample results		11/30/9	5	Sample Tin	ne _	1:15 PM
	Benzene		(ppm)	ND			
	Total BTEX		(ppm)	4.56			
	Field Headspace		(ppm)	ND			
	TPH			2500			
Groundwater Sample			es	_ No		•	ch sample results)
I HEREBY CERTIFY T		IATION ABO	OVE IS TRU	JE AND COM	IPLETE TO	THE BEST	OF MY
DATE	December 1, 19	98	PRINTE	D NAME	Jeff Cros	s	
SIGNATURE	ff (won		AND TIT	LE	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

perator:	APAC	HE CORPORAT	ION		_Telephone	505-325-0	318		
ddress:	2855	Southside River	Road, Suite A	, Farmingto	on, NM 8740)1			
acility or W	ell Nar	me:	APACHE #	129					
ocation:	Unit	or Qtr/Qtr Sec	P	SEC 14	T 24 N	R4W	_County	Rio Arriba	
it Type:	Sepa	ırator:	Dehydrator		Other	SEPARA	TOR \ TAI	NK DRAIN	
and Type:	Jicar	illa Tribal							
Pit Location:		Pit Dimensions:	Lengt	h 30'	Width	n <u>30'</u>	_ Der	oth11'	
Attach diag		Reference:	Wellhead	XX	Other				
		Footage from re	ference:	12	25'	_			
		Direction from re	eference:	170	Degrees	X	East	North _	
							West	South _	XX
		140 ==			Less than	n 50 feet		(20 points)	
Depth To G		iwater:			50 feet to	99 feet		(10 points)	0
contaminants to high water elev groundwater)	o seasor	nai			Greater t	han 100 fe	et	(0 points) _	
	_				Less tha	n 100 feet		(10 points)	
Distance to (Downgraditen feet in v	ient dr	phemeral Stream y wash greater th	ı: an			than 100 fe	et	(0 points) _	0
				Dand:	l ess tha	n 100 feet		(10 points)	
(Downgrad	lient la	rest Lake, Playa, kes, playas and ife watering ponds		Polia.		than 100 fe	eet	(0 points)	0_
						Y	'es	(20 points)	
(Less than domestic v	200 fe water s	ction Area: eet from a private source, or less tha Il other water sou	ın				No	(0 points)	0
			•		Loop the	an 100 feet		(20 points)	
		rface Water:				t to 1000 fe		(10 points)	
(Horizonta	al dista	nce to perennial	oke			than 1000		(0 points)	0
irrigation of	ias, rīv canals	ers, streams, cred and ditches)	eno,			NG SCORE		POINTS)	0

Date Remedia	ation Start	ed:	11/2/95		_Date Comp	oleted:		11/30/95	
় Remediation ৷	Method:		Excavation	XXX	_Approx. cu	bic yards		200	
(Check all app sections)	oropriate	Lan	dfarmed	XX	_Insitu Biore	emediation	າ		
·			Other		_				
Remediation			Onsite	хх	Offsite				_
name and loc offsite facility)	ation of					<u></u>			-
General Desc	BACK FILI	Remedial Act L PIT WITH C SOIL ON LOC	LEAN SOIL.	REMEDIA REMIDIAT	TED SOIL T	O BE SP	READ ON LO	PID READING OCATION.	3S.
Groundwater	Encounte	ered:	No	X	_ Yes		Depth		
Final Pit: Closure Sam (in multiple sa	. •	Sample loca	tion	5 point con	nposite takei	n from pit	sidewalls , a	nd pit bottom	center.
attach sample and diagram locations and	of sample depths) Sample D	ate	th	11' 11\30\95	-	_Sample ⁻	Ti <u>me</u>	1:15PM	
	Sample re	Benzene		(ppm)	ND	Water:	Benzene	(ppb)	NA.
:		Total BTEX		(ppm)	4.56	-	Toluene	(ppb)	NA
		Field Heads	pace	(ppm)	ND	_ E	thylbenzene	(ppb)	NA
		ТРН		(ppm)	2500	_ т	otal Xylenes	(ppb)	NA
Groundwate	r Sample:		Yes	·	_ No	X_	(If yes atta	ach sample r	esults)
I HEREBY CI KNOWLEDG		IAT THE INFO	ORMATION A	BOVE IS T	RUE AND CO	OMPLETE	TO THE BE	ST OF MY	
DATE		9/30/9	8	PRINTED	NAME		JEFF CR	oss	
SIGNATURE		If Iw	<u> </u>	_AND TITL	E	Project	Manager		
AFTER REVI	EW OF TH	IE PIT CLOSU HE TRIBE PIT	IRE INFORM CLOSURE (ATION, PIT ORDINANCI	CLOSURE	S APPRO	VED IN ACC	ORDANCE	го
APPROVED:	YES	3_ <u>X</u>	NO)	_(REASON	i)			
SIGNED:	Les	cm.	a	<u> </u>	DATE:		-13-9	8	

, 1

APACHE CORPORATION FARMINGTON DISTRICT

I.

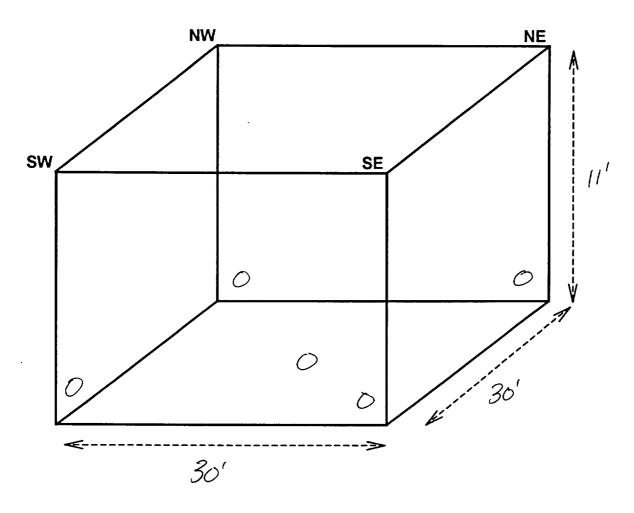
SW CORNER

SE CORNER

JICARILLA APACHE TRIBAL EPO PIT EXCAVATION AND CLOSURE REPORT REVIEW AND APPROVAL APACHE 129 LOCATION: **EPO REPRESENTATIVE** DATE OF REVIEW: PIT COUNT: 1 EXCAVATION **FINISH** DIMENSIONS **START** CU.YDS. D W L D 30' 11' 200 30' PIT 1 5' PIT 1 30' 30' PIT 2 PIT 2 PIT 3 PIT 3 PIT3@ PIT1@11' PIT2@ PIT1@11' PIT2@ PIT3@ DATE:11/30/95 DATE:11/02/95 0.0 CENTER 87.8 CENTER 0.0 P. NW CORNER 72.4 P. NW CORNER I. NE CORNER 0.0 143.0 NE CORNER I. D. SW CORNER 0.0 SW CORNER 38.4 D. 0.0 SE CORNER 5.1 SE CORNER NOTES: Sandstone w/lt. gray staining to 9' 11/02/95 SOIL SAMPLING **ASSAIGAI** PER LAB: , ANALYSIS RESULTS PIT3@ PIT1@ 11' PIT2@ DATE:11/02/95 WITNESS DATE **BETEX** TPH PIT 87.8 CENTER NO. 72.4 P. NW CORNER 2400.0 0.196 IF&S 11/02/95 1 NE CORNER 143.0 T. 2 38.4 D. SW CORNER 3 5.1 SE CORNER RE-SAMPLE OR CELL(S) SAMPLE ANALYSIS RESULTS PER LAB: **ASSAIGAI** PIT2@ PIT3@ DATE:11/30/95 PIT1@11' WITNESS DATE **BETEX** PIT TPH 0.0 CENTER 0.0 NO. NW CORNER P. 11/30/95 4.6 JDT 2500.0 0.0 1 NE CORNER I. 2 0.0 SW CORNER 3 SE CORNER RE-SAMPLE OR CELL(S) SAMPLE ANALYSIS RESULTS PER LAB: PIT 1 PIT 2 PIT 3 DATE: DATE BETEX WITNESS PIT TPH CENTER NO. P. NW CORNER 1 NE CORNER

2

3

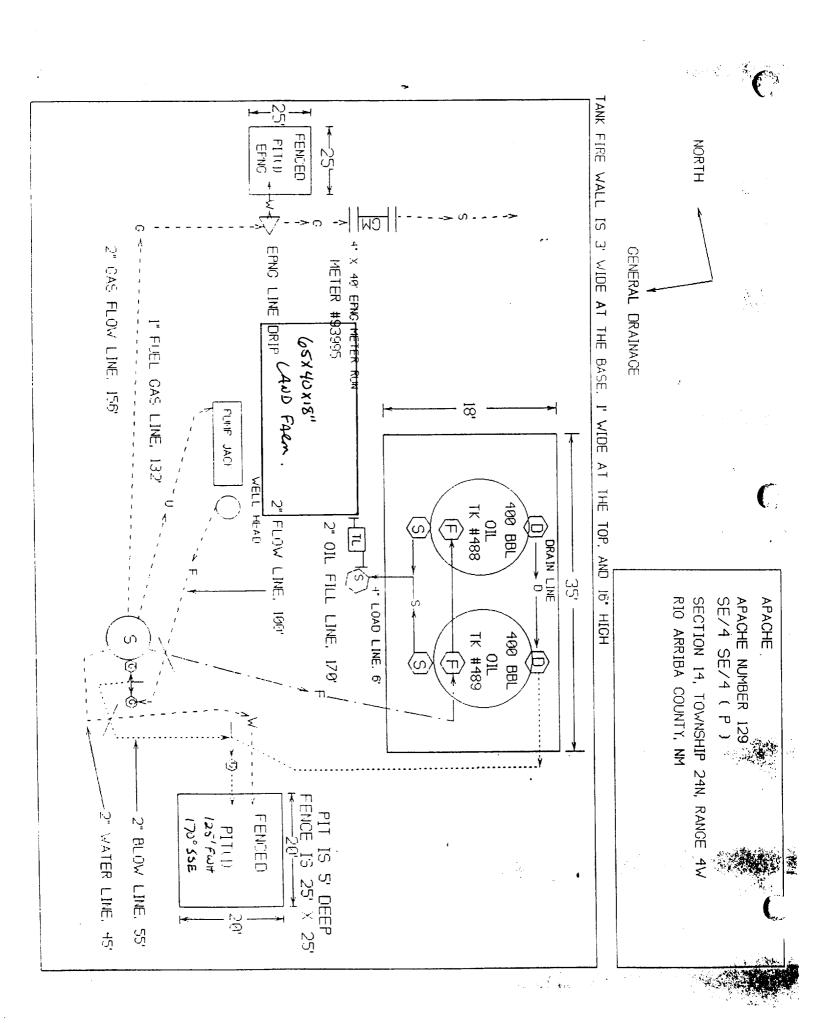


		=	SAMPLE AREA
WELL NAME	APACHE # 129		
SAMPLE DATE	11/30/95	_	
NOTES 5 POIN	T COMPOSITE SAMPLE TAKEN 8" TO 10"	INTO PIT	
SIDEW	VALL, AND PIT BOTTOM CENTER.		
·			
			
 			

ω **ID:** 9512029-16A Sample ID: AP #129

Collected: 11/30/95 13:15:00 Matrix: SOIL

Sample ID: AP #129		Matrix: S	OIL			
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A				-	· · ··································	
Ethylbenzene P-&m-Xylene	1.3 2.7	mg/Kg	0.0010	500	12/06/95	SBTXME093
O-Xylene	0.56	mg/Kg mg/Kg	0.0010 0.0010	500 500	12/06/95 12/06/95	SBTXME093 SBTXME093
Lab ID: 9512029-16B Sample ID: AP #129		Collected: Matrix: So	11/30/9	95 13	:15:00	
						
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel HCs DSL XT/CAL DHS 8015M	2500 12/05/95	mg/Kg N/A	5.0	250	12/07/95	SLFTD053
Lab ID: 9512029-17A		Collected:	11/30/9	95 13	:32:00	
Sample ID: AP #26-H		Matrix: So	DIL			
ST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A			·			
Benzene Toluene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
Ethylbenzene	ND ND	mg/Kg mg/Kg	0.0010 0.0010	500 500	12/06/95 12/06/95	SBTXME093 SBTXME093
P-&m-Xylene O-Xylene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
O-Aylene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
Lab ID: 9512029-17B Sample ID: AP #26-H		Collected: Matrix: SO	11/30/9)IL	5 13	:32:00	
rest / method	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel						
ICs DSL XT/CAL DHS 8015M	55 12/05/95	mg/Kg N/A	5.0	5.0	12/06/95	SLFTD053
Lab ID: 9512029-18A Sample ID: AP #149-H		Collected: Matrix: SO	11/30/9 IL	5 14:	00:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
`X/SW846 8020A	-					
azene Foluene	ND ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
Ethylbenzene		mg/Kg	0.0010	500	12/06/95	SBTXME093
P-&m-Xylene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093



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:	APACHE C	ORPORATION	<u> </u>		Telephone		505-325-0	318	
Address:		2855 SOUTHS	IDE RIV	VER ROAD/	SUITE A/ F	ARMING	TON N.M. 8	37401-7947	
acility or W	ell Name:	AP	ACHE#	129					
Location:	Unit or Qtr	/Qtr Sec	Р	SEC 14	T 24 N	R4W	_County	RIO ARRII	ВА
Land Type	 ·	JIC. TRIBAL							
Date Remed	iation Starte	ed: 1	1/2/95		Date Com	pleted:		8/17/98	
Remediation		Landfarmed			Approx. cu	ıbic yards		200	
		Composted							
		Other		REMEDIA	TED SOIL	TO BE SP	READ ON	LOCATION.	
Double to Co			(nts)) 0		Final Clo	osure Sam	pling	· · · · · · · · · · · · · · · · · · ·
Depth to Gro		ral Stream:		0	Sampling	Date:	8/17/98	3_Time:	9:00AM
Distance to					Sample R		<u></u>		
Distance to or Watering		ke, Playa,	(pts) 0			0		
Wellhead P	rotection Ar	ea:	(pts)0		pace (ppm)		 Method	M8015
Distance To	Surface W	ater:	(pts	s) <u> </u>				— 020A (NI	
		TAL POINTS)		0	-				
I HEREBY	CERTIFY T	HAT THE INFO	RMATI	ON ABOVE	IS TRUE /	AND COM	PLETE TO	THE BEST	OF MY
DATE:	OL AND DE			PRINTED	NAME		JEFF C	ROSS	
SIGNATUR	RE	1160				PROJE	CT MANA	GER	
AFTER RE	WEW OF T	// () HE SOIL REM HE JICARILLA	EDIATION	ON INFORM	MATION. C	N-SITE R	EMEDIATION		OVED IN
		es <u>X</u>							
SIGNED:	Ke	-C Ma		DATE:		1-13-	-98		

APACHE COPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

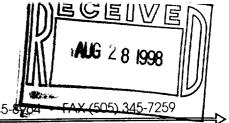
REMEDIATION SITE	APACHE # 129		_	
* AMOUNT OF SOIL UNDER	RGOING REMEDIATION	200	Yds.	
		SampDATE	TPH	BTEX
CELL No1		8/17/98	2400	ND
				
DIMENSIONS(LxWxH)	65 x40 V18"		+	
CELL LOCATION (dir. from well t	65'x40' V18" head EAST			
* DATE BEGAN: //-2-9	5			
	00 ppm/BTEX< 50 ppm/Benzene < 10 pp	om) 8-/7-	98	_
			TPH	BTEX
		SampDATE	1 1 1 1	BILK
CELL No. 2	-			
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well	head			
* DATE BEGAN:				
			·	
DATE TERMINATED (TPH <5,0	00 ppm/BTEX< 50 ppm/Benzene < 10 p	pm)		_
		SampDATE	TPH	BTEX
3 3				
CELL No. 3	-			
DIMENSIONS(LxWxH)				
Division (Easter)				
CELL LOCATION (dir. from well	head			
* DATE BEGAN:				
DATE TERMINATED (TPH <5,0	000 ppm/BTEX< 50 ppm/Benzene < 10 μ	opm)		
REMEDIATION RECORD: (Dat	e, Treatment, Tilling)			
TREAT SOIL WITH 28-4-4 FER	RTILIZER.			
6/17/97 TREAT SOIL WITH 46-	-0-0 FERTILIZER,WATER,PLOW AND 1	TILL SOIL.	LSOIL	
6/26/97 PLOW AND TILL SOIL	5/11	1/98 PLOW AND TIL 1/98 PLOW AND TIL	L SOIL.	
7/3/97 PLOW AND TILL SOIL.		98 WATER, PLOW	ND TILL SC	IL.
7/21/97 PLOW AND TILL SOIL	•	5/98 PLOW AND TIL	L SOIL	
8/5/97 WATER,PLOW AND TIL	L OOIL.	98 PLOW AND TILL	SOIL.	
8/21/97 PLOW AND TILL SOIL	··	4/98 PLOW AND TIL	L SOIL.	
5/5/98 WATER, PLOW AND TI	ILL SOIL.	4,00 ; LO 11,440 112		

From excavation reports.

= SAMPLE AREA ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 10 point composite sample (05'x40'x18" Apache #129 SAMPLE DATE: WELL NAME: DIMENSIONS: NOTES:



ASSAIGAI ANALYTICAL LABORATORIES, INC.



7300 Jefferson, NE • Albuquerque, New Mexico 87109 • (505) 345-800

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
В	analyte detected in Method Blank
Ē	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: A

APACHE CORPORATION

Project: 9808182

JICARILLA PIT CLOSURES

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Client Sample ID	APACH	E #129	CELL	Sa Ma	mple SOIL trix	-			Sample Collected	08/17/98 09:00:00
Fraction	QC Group	CAS#		Result	<u>Units</u>	Dilution <u>Factor</u>	Detection <u>Limit</u>	*	Sequence	Run <u>Date</u>
			Test: SW846 8010B/8020A Purg	eable VOCs by GC	PID-ELCD		7 005		XG.1998.702-17	08/21/98
9808182-01A	X98390	71-43-2	Benzene	ND	mg / Kg	50	0.005			00121700
	X98390	100-41-4	Ethylbenzene	ND	mg/Kg	50	0.005		XG.1998.702-17	
	X98390	95-47-6	o-Xylene	ND	mg / Kg	50	0.005		XG.1998.702-17	
			P/M-Xylenes	ND	mg / Kg	50	0.01		XG.1998.702-17	
	X98390 X98390	108-88-3	Toluene	ND	mg/Kg	50	0.005		XG.1998.702-17	
		i	Test: SW846 8015A Diesel Ran	ge Organics by GC	:/FID					00/04/00
9808182-01B	X98389	i	Diesel Range Organics	2400	mg / Kg	25	25	<u>.</u>	XG.1998.699-6	08/21/98





2.0

^{***} 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. ***

Unail of Custody Record

Lab lob no.:

3332 WEDGEWOOD EL PASO, TEXAS 7992S (915) 593-6000

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

ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964

6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320 MELQUIADES ALANIS

Remarks **Analysis Required** 300 Project Manager / Contact_Jeff_Cross-Telephone No. (505) 774-6643 Fax No. (505) 774-6624 roject Name / Number JICARILLA PIT CLOSURES Samplers: (Signature) ity/State/ZipEarmington, NM 87401-7447 doress 2855 Southsion River Rd. lient Apache Corporation

LABORATORY