District III

State of New Mexico Aztec, MM 6410 2. Energy, Minerals and Natural Resources Department

EIEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION 2040 S. PACHECO

Santa Fe, New Mexico 87505

and 1 copy to Santa Fe Office

DEC 1 7 1998

PIT REMEDIATION AND CLOSURE REPORT

5	EC		WE	M
	.1111	8	1009	IJ

Submit 1 copy to Appropriate District

App	roved PIT REMEDIA	ATION A	ND CL	OSURE F	REPORT		JUL	6 1999
Operator:	Apache Corporation			Telephone	e:	505-325		
Address:	2855 Southside River Road, S	suite A, Farm	nington, N	VM 87401			العالقا	ধি ন
Facility or	Well Name:	Apache #						
Location:	Unit or Qtr/Qtr Sec	<u>C</u>	Sec 3	T 24 N	R 4W	County	Rio Arriba	a
Pit Type:	Separator: XX	Dehydrator	r	Other			_	
Land Type	e: Jicarilla Tribal							·
	Beginning Pit Dimensions:	Length	21	1' Width	n 24'	L' Dept	oth5')
Pit Location: (Attach dia	Ending Pit Dimensions: agram)	Length_	24	4' Width	24'	<u>'</u> Dept	oth9'	_
	Reference:	Wellhead	xxx	_Other				_
	Footage from reference:		150)'	_			
	Direction from reference:		300	_ Degrees		_East	North	x
					xx	_West	of South	
Depth To C	Groundwater:			Less than 5			(20 points)	
contaminants				50 feet to 99 Greater tha			(10 points)	
high water elev groundwater)	vation of			Oleator the	II FOO IGE.		(0 points) _	0
	Protection Area:					Yes	(20 points)	
domestic wa	200 feet from a private rater source, or; less than rom all other water sources)					No	(0 points)	0
1000 100, 11,	offi all other water sources)							
	o Surface Water:			Less than 20			(20 points)	
	distance to perennial s, rivers, streams, creeks,			200 feet to 1 Greater than			(10 points)	
	nals and ditches)			RANKING S		-	(0 points) _	0
				IVVIAIVII40 0	NOUNE (10	/IAL POIIV	115) -	0

Date Remediation St	arted:	12/2/95	······································	_Date Com	ipleted:		12/2/95
Remediation Method (Check all appropriate		Excavation _	xxx	_Approx. cu	ubic yards		98
sections)	Landfarmed	1 .	XX	_Insitu Bior	remediation _		
		Other _					<u>-</u>
Remediation Locatio (i.e. landfarmed onsite		Onsite_	xx	Offsite			
name and location of offsite facility)	,						
General Description (of Remedial Action:	<u>.</u> !	Excavate	pit to 9', to	ok PID readin	ngs.	
Spread soi	il on location for reme	ediation. To	ook soil s	amples.	Pit back fille	led w/ fill	dirt
			-				
·							
Groundwater Encoun	itered:	No_	xx	Yes		Depth	
Final Pit: Closure Sampling: (in multiple samples,	Sample location	5	point comp	osite taken fr	rom pit sidewalls	s and pit b	ottom center
attach sample results	-						
and diagram of sample locations and depths)		9' 8	i to 10" inf	to pit sidev	walls 10" into	pit botto	om
	Sample Date Sample results	_	12/2/95		Sample Time)	11:35 A.M.
	Benzene	(1	(ppm)	ND			
	Total BTEX	(1	(ppm) _	ND			
	Field Headspace	(1	(ppm) _	11.16			
	TPH			480			
Groundwater Sample:		Yes		No_	`		ch sample results)
HEREBY CERTIFY THE KNOWLEDGE AND BE	HAT THE INFORMATI ELIEF.	ON ABOVE	IS TRUE	AND COM	PLETE TO TH	IE BEST	OF MY
DATE	June 8, 1998	P	PRINTED N	IAME	Jeff Cross		
SIGNATURE	If Con	A	ND TITLE	:	Project Mana	ager	
1/	170						

District III 1000 Rio Brazos Rd Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

2040 S. PACHECO Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Apache Corporation				Telephone	e:	505	5-325-0	318	
Address:	2855 Southside River Road, S	uite A, Farn	ningto	on, Ni	M 87401					
Facility or \	Well Name:	Apache #	156	Pit#	2					
Location:	Unit or Qtr/Qtr Sec	C	Sec	3	T 24 N	R 4V	V Co	unty	Rio Arriba	
Pit Type:	Separator:	_ Dehydrato	r		_Other	Drip Li	ine			
Land Type	Jicarilla Tribal									
	Beginning Pit Dimensions:	Length		18'	Width	າ	18'	Depth	1'	
Pit Location: (Attach dia	Ending Pit Dimensions:	Length		18'	_ Width	n	18'	Depth	5'	
(ritaoir aia	Reference:	Wellhead	X	XX	Other					
	Footage from reference:			125'		_				
	Direction from reference:		1	10	Degrees	XX	Eas		North	
							We	of st	South	Х
Depth To (Groundwater:			·	Less than	50 feet			(20 points)	
(vertical dista	nce from				50 feet to				(10 points)	
contaminants	to seasonal				Greater th	an 100 fe	eet		(0 points)	0
high water ele groundwater)	vation of									
	Protection Area:				,		Yes	;	(20 points)	
	200 feet from a private						No		(0 points)	0
	rater source, or; less than rom all other water sources)									
	o Surface Water:				Less than	200 feet			(20 points)	
	distance to perennial				200 feet to				(10 points)	
	ls, rivers, streams, creeks,				Greater th	an 1000	feet		(0 points)	0
ingailon Ca	inals and ditches)				RANKING	SCORE	(TOTA	L POIN	TS)	0

Date Remediation Sta	ırted:	12/2/95	,	_Date Completed:	12/2/95
Remediation Method: (Check all appropriate	1	Excavation	XXX	_Approx. cubic yards _	48
sections)	Landfarmed		XX	Insitu Bioremediation	
		Other			
Remediation Location (i.e. landfarmed onsite,		Onsite	XX	Offsite	
name and location of offsite facility)					
General Description o	of Remedial Action:		Excavate	pit to 5', took PID readin	ngs.
Spread soil	l on location for reme				led w/ fill dirt
Groundwater Encoun	tered:	No	XX	<u>(</u> Yes	Depth
Final Pit: Closure Sampling: (in multiple samples,	Sample location		5 point com	posite taken from pit sidewall	ls and pit bottom center
attach sample results	Sample denth	-1	0 4- 40" in	1 14 - Housella doll inte	** * ** .
and diagram of sample locations and depths)		5'		nto pit sidewalls 10" into	
	Sample Date Sample results		12/2/95	5 Sample Time	5:30 P.M.
	Benzene		(ppm)	ND	
	Total BTEX		(ppm)	ND	
	Field Headspace		(ppm)	15.06	
	TPH			60	
Groundwater Sample:		Yes	· · · · · · · · · · · · · · · · · · ·	 ·	If yes attach sample results)
I HEREBY CERTIFY TI KNOWLEDGE AND BE		ION ABOV	E IS TRUE	E AND COMPLETE TO T	HE BEST OF MY
DATE	June 8, 1998		PRINTED	NAME Jeff Cross	
SIGNATURE	eff (wo		AND TITL	.E <u>Project Man</u>	ager

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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

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>A</u>	APACHE CORPORATION	Telephone	505-325-0318	
Address: 2	855 SOUTHSIDE RIVER ROAD / SUIT	E A / FARMING	TON N.M. 87401-794	17
Facility or Well	Name: APACHE # 156 PI	T# 1		
Location: U	Unit or Qtr/Qtr Sec C SEC 3	T 24N R	R 4W County	RIO ARRIBA
Pit Type: S	Separator: XXX Dehydrator	Other _		
Land Type: _	JIC. TRIBAL			
Pit Location: (Attach diagran	Pit Dimensions: Length 24' n) Reference: Wellhead XXX	Width	24' Depth	9'
	Footage from reference: 150			
	Direction from reference: 300	Degrees	East	North X
		•	of XXWest	South
Depth To Grou	undwater	Less than 50	foot	(20 points)
(vertical distance fro		50 feet to 99		
contaminants to sea		Greater than		(10 points) 0
high water elevation groundwater)		Greater triair	100 leet	(o points)
Distance to an	Ephemeral Stream:	Less than 10	0 feet	(10 points)
	dry wash greater than	Greater than		(0 points) 0
ten feet in width		Croator than	100 1000	(D D D D D D D D D D
Distance to Ne	earest Lake, Playa, or Watering Pond:	Less than 10	0 feet	(10 points)
	lakes, playas and	Greater than		(0 points) 0
livestock or wild	dlife watering ponds)			· · · · · · · · · · · · · · · · · · ·
Wellhead Prote	ection Area:		Yes	(20 points)
	feet from a private		No	(0 points) 0
domestic water	source, or less than all other water sources)			
Distance To S	urface Water:	Less than 10	0 feet	(20 points)
(Horizontal dista	ance to perennial	100 feet to 10	000 feet	(10 points)
	vers, streams, creeks,	Greater than	1000 feet	(0 points) 0
irrigation canals	s and ditches)	RANKING SO	CORE (TOTAL POIN	NTS) 0

ľ									
Date Reme	diation Sta	rted:	12/2/9	5	Date Con	npleted:	•	12/2/95	
Remediatio (Check all a			Excavation	xxx	Approx. o	ubic yards	<u></u>	98	
sections)	ppropriate	1	Landfarmed	<u> </u>	Insitu Bio	remediatio	on		
			Other						
Remediatio			Onsit	e XX	Offsite				
(i.e. landfam name and lo offsite facility	cation of								
General Des	scription o	f Remedial	Action: Ex	ccavate pit	to 9',took l	PID readir	ngs. spread	soil on	
	location	for remidia	tion. Took	soil samp	les. Bade	filled f	i+ w/ F	11 Dirt	
Groundwate			No			S	Dept		_
Final Pit: Closure San (in multiple s		Sample lo	cation	5 point co	omposite tak	en from pi	it sidewalls a	and pit botto	m center.
attach sampl and diagram	e results	Sample de	anth Q^I	8" to 10"	into nit cido		:		
locations and			spin 7		into pit side				<u> </u>
	Sample re			12/2/9	5	_Sample 1	ri <u>me</u>	11:35AM	
	Soil:	Benzene		(ppm)	ND	_Water:	Benzene	(ppb)	NA
		Total BTE	X	(ppm)	ND	_	Toluene	(ppb)	NA
		Field Head	ispace	(ppm)	11.16	_ Et	hylbenzene	(ppb)	NA
		TPH		(ppm)	480	_ To	otal Xylenes	(ppb)	NA
Groundwate	r Sample:		Yes		_ No	xxx	_(If yes atta	ach sample i	results)
I HEREBY CI KNOWLEDG	ERTIFY THE AND BE	IAT THE IN LIEF.	FORMATIO	ON ABOVE	IS TRUE A	ND COM	PLETE TO	THE BEST (OF MY
DATE		5/28/98		PRINTED	NAME		JEFF CR	oss	
SIGNATURE	Jef	(Con		AND TITL	.E		PROJECT	MANAGER	₹
AFTER REVI THE JICARIL	EW OF TH	E PIT CLOS	SURE INFO	ORMATION RE ORDIN	I, PIT CLOS	URE IS A	PPROVED	IN ACCORE	ANCE TO
APPROVED:	YES	<u>X</u>	NO		(REASON)	l		· · · · · · · · · · · · · · · · · · ·	
	, /	6		00					
SIGNED:	Kolei	(-)	oun		DATE:	6-2	-94		

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:	APA	CHE CORPORA	TION		Telephone	505-32	25-0318		
Address:	2855	SOUTHSIDE R	IVER ROAI	D/SUITE/	- A / FARMIN	GTON N.M	I. 87401-79	47	
Facility or We	ell Na	me:	APACHE:	# 156 PIT #	2				-
Location:	Unit	or Qtr/Qtr Sec	C	SEC 3	T 24N	R 4W	_County	RIO ARRIB	Α
Pit Type:	Sepa	arator:	_Dehydrato	r	_Other	LINE DRI	D		
Land Type:		JIC. TRIBA	AL						
Pit Location: (Attach diagra	am)	Pit Dimensions:	Length Wellhead	18' XXX	_ Width _Other	18'	_ Depth	n5'	
·		Footage from re		125'	_Degrees	XX	_East o West	North f South	×
Depth To Gr		lwater:			Less than			(20 points)	
(vertical distance contaminants to s		al			50 feet to 9	ษษายยเ an 100 feet		(10 points) (0 points)	0
high water elevation groundwater)		-			Grouter th	un 100 1001	•	(o pointo) _	
Distance to a	an Ep	hemeral Stream	:		Less than	100 feet		(10 points)	
	nt dry	wash greater tha				an 100 feet		(0 points)	0
Distance to I	Veare	est Lake, Playa, (or Watering	g Pond:	Less than	100 feet		(10 points)	
-		es, playas and watering ponds)			Greater th	an 100 feet		(0 points)	0
Wellhead Pro	otecti	ion Area:				Yes		(20 points)	
domestic wate	er sou	t from a private urce, or less than other water sourc				No)	(0 points) _	0
Distance To	Surfa	ace Water:			Less than	100 feet		(20 points)	
(Horizontal di	stanc	e to perennial				1000 feet		(10 points)	
		s, streams, creek	s,		Greater th	an 1000 fee	et	(0 points)	0
irrigation cana	ais an	iu uitories)			RANKING	SCORE (T	OTAL POI	NTS)	0

Date Remediation Star	ted: 12/2/9	5	_Date Com	pleted:		12/2/95	
Remediation Method: Check all appropriate	Excavation	XXX	_Approx. cu	ıbic yards		48	
sections)	Landfarmed	<u> </u>	_Insitu Biore	emediatior	·		
	Other						
Remediation Location: i.e. landfarmed onsite, name and location of offsite facility)	: Onsit	e XX	_Offsite				
Seneral Description of	Remedial Action: E	xc <u>avate pit</u>	to 5',took P	ID readin	gs. spread	soil on	
location f	or remidiation. Took	soil samp	les. BAck	filled	Pit w/	Fill Dire	1
Groundwater Encount	ered: N	o xxx			•		_
inal Pit: Closure Sampling: in multiple samples,	Sample location	5 point co	omposite tak	en from pi	sidewalls a	nd pit bottor	n center.
ttach sample results nd diagram of sample	Sample depth 5	8" to 10" i	into nit side v	valle 10" i	nto nit botto	m	
ocations and depths)				wans , ro	nto pit botto		
Sample D Sample re		12/2/9	5	Sample 1	i <u>me</u>	5:30PM	
Soil:	Benzene	(ppm)	ND	Water:	Benzene	(ppb)	NA
	Total BTEX	(ppm)	ND	_	Toluene	(ppb)	NA
	Field Headspace	(ppm)	15.06	_ Et	hylbenzene	(ppb)	NA_
	TPH	(ppm)	60	_ To	otal Xylenes	(ppb)	NA
Groundwater Sample:	Ye	es	_ No	XXX	_(If yes atta	ach sample	results)
HEREBY CERTIFY THE		ION ABOVE	E IS TRUE A	IND COMI	PLETE TO	THE BEST	OF MY
DATE	5/28/98	PRINTED	NAME		JEFF CR	oss	
SIGNATURE Jef	flios	_AND TITI	LE		PROJECT	MANAGEI	R
AFTER REVIEW OF TH				OUNE 10 F	renuvED	IN ACCOR	BANCE T
APPROVED: YES	s <u>×</u> Ne	0	_(REASON)			
SIGNED:	cm 1] (DATE:	6-	7-98		

...

APACHE CORPORATION FARMINGTON DISTRICT

CENTER

P.

I.

D.

NW CORNER

NE CORNER

SW CORNER

SE CORNER

JICARILLA APACHE TRIBAL EPO PIT EXCAVATION AND CLOSURE REPORT REVIEW AND APPROVAL (LOCATION: APACHE 156 **EPO REPRESENTATIVE** DATE OF REVIEW: 12 PIT COUNT: 2 **EXCAVATION DIMENSIONS START FINISH** CU.YDS. D D 9' 24' 98.0 24' PIT 1 24' 21' 5' PIT 1 PIT 2 18' 18' 5' 48.0 PIT 2 18' 18' PIT 3 PIT 3 PIT1@ ' | PIT2@ PIT3@ DATE: 12/02/95 PIT1@09' PIT2@04' PIT3@ DATE: CENTER 938.0 CENTER 821.0 P. NW CORNER P. NW CORNER 56.1 NE CORNER NE CORNER 11.8 1106.0 I. SW CORNER 56.9 511.0 D. SW CORNER D. SE CORNER 904.0 SE CORNER 9.6 NOTES: 12/02/95- PIT 1 - Staining to 8'. Cleared @ 9'. PIT 2 - No staining, strong odor to 4'. Hit sandstone @ 5'. SOIL SAMPLING ANALYSIS RESULTS PER LAB: **ASSAIGAI** PIT1@09' PIT2@04' PIT3@ DATE: 12/02/95 TPH **BETEX** WITNESS DATE 2.4 PIT 938.0 **CENTER NW CORNER** 56.1 821.0 NO. P. 480 n_D IF&S 12/02/95 11.8 1106.0 1 **NE CORNER** I. IF&S 12/02/95 2 $n_{\mathcal{D}}$ SW CORNER 56.9 511.0 60 D. 904.0 3 SE CORNER 9.6 RE-SAMPLE OR CELL(S) SAMPLE **ANALYSIS RESULTS** PER LAB: **ASSAIGAI** DATE: 12/14/95 PIT1@09' PIT2@05' PIT3@ **BETEX** WITNESS DATE PIT TPH 17.7 20.8 CENTER NO. P. NW CORNER 4.6 11.2 3700 AJJ.56JDT 12/14/95 4.1 8.0 NE CORNER I. 5.1 2 93 JDT 12/14/95 SW CORNER 8.0 D. 3 SE CORNER 21.4 30.2 RE-SAMPLE OR CELL(S) SAMPLE DATE: ANALYSIS RESULTS PER LAB: PIT 1 PIT 2 PIT 3

PIT

NO. 1

2

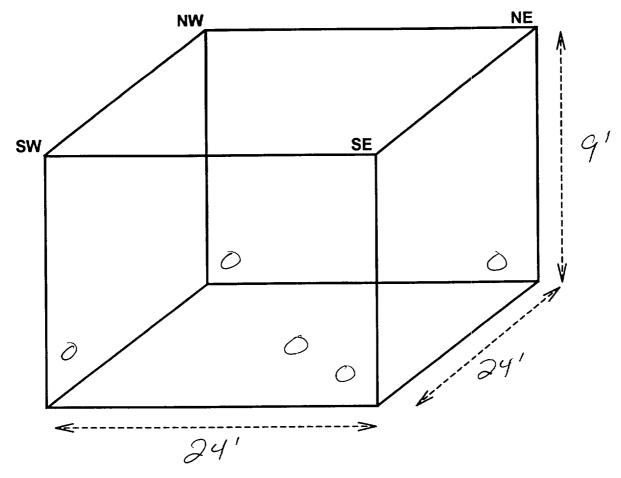
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TPH

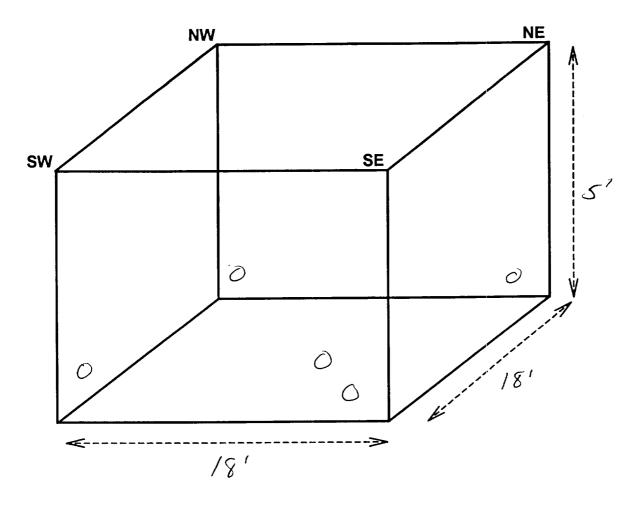
BETEX

WITNESS

DATE



			= SAMPLE AREA
WELL NA	ΛE	APACHE # 156 PIT # 1	
SAMPLE [ATE	12/14/95	
NOTES		INT COMPOSITE SAMPLE TAKEN 8" TO 10 WALL AND PIT BOTTOM CENTER.	" INTO PIT



			= SAMPLE AREA
WELL NAM	ΛE	APACHE # 156 PIT # 2	
SAMPLE D	ATE	12/14/95	_
NOTES	5 PO	INT COMPOSITE SAMPLE TAKEN 8" TO 10" I	NTO PIT
	SIDE	EWALL AND PIT BOTTOM CENTER.	
	-		
	 .		
	-		

(... ID: 9512030-06B Sample ID: AP #150-C

Collected: 12/02/95 14:20:00

Sample ID: AP #150-C		Matrix: SOIL						
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID		
BTEX/SW846 8020A O-Xylene	28	mg/Kg	0.0010	20000	12/07/95	SBTXME094		
Lab ID: 9512030-07A Sample ID		Collected: Matrix:		5 17	:30:00			
TEST / METHOD	RESULT	UNITS	LIMIT	.D_ F	DATE ANAL	BATCH_ID		
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	12/06/95	mg/Kg N/A	5.0	5.0	12/08/95	SLFTD054		
Lab ID: 9512030-07B Sample ID: 12 # 55 C p.+ #2		Collected: Matrix: SO		5 17	:30:00	****		
TEST / METHOD	RESULT	UNITS	LIMIT	.D_ F	DATE ANAL	BATCH_ID		
EX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene		mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0010 0.0010	500 500 500 500 500	12/07/95 12/07/95 12/07/95 12/07/95 12/07/95	SBTXME094 SBTXME094 SBTXME094 SBTXME094 SBTXME094		
Lab ID: 9512030-08A Sample ID: 4156-H p+#/		Collected: Matrix: So		5 11	:35:00			
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID		
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	12/06/95	mg/Kg N/A	5.0	50	12/08/95	SLFT054		
Lab ID: 9512030-08B Sample ID: 126-H ρ. + + /		Collected: Matrix: So		95 11	:35:00			
TEST / METHOD	RESULT	UNITS	LIMIT	D_ F	DATE ANAL	BATCH_ID		
BTEX/SW846 8020A Benzene Sluene Litylbenzene P-&m-Xylene O-Xylene	6999	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0010 0.0010	500 500 500 500 500	12/07/95 12/07/95 12/07/95 12/07/95 12/07/95	SBTXME094 SBTXME094 SBTXME094 SBTXME094 SBTXME094		



Chain of Cust by Record

Project Manager / Contact To Co.

3332 WEDGEWOOD

ALBUQUERQUE, NEW MEXICO'STI (505) 345-8964

EL PASO, TEXAS 79925 (915) 593-6000

Samplers: (Signature)

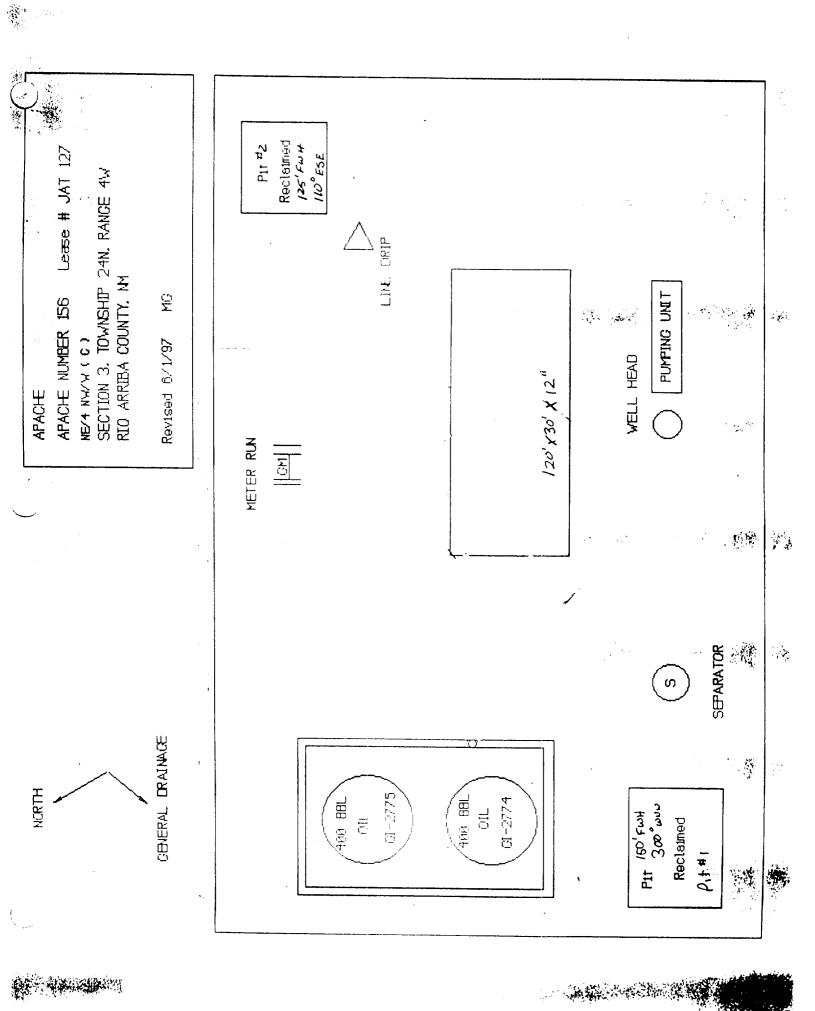
Contract() Purchase Order / Quote

Project Name / Number Of Antichation

City/State/26 The Commendation & W

Address To 304 W Kellicid Telephone No. 262 365 Mary &

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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

Operator: <u>APAC</u>	HE CORPORATION			Telephon	ne	505-325-0	318	
Address:	2855 SOUTHSI	DE RIV	ER ROAD	/SUITE A	/ FARMING	TON , N.M	. 87 <u>401-79</u>	47
Facility or Well Nam	ne: <u>APA</u>	CHE #	156					
Location: Unit o	r Qtr/Qtr Sec	c {	Sec 3	T 24N	R 4W	County	RIO ARR	IBA
Land Type	JIC. TRIBAL				·····			
Date Remediation S	Started: 12	/2/95		Date Con	npleted:		5/12/98	
Remediation Method	d: Landfarmed	_	XXX	Approx. o	cubic yards		146	
	Composted							
	Other	_						
								
Depth to Groundwat	ter:	(pts)_	0		Final Clo	sure Samp	ling	
Distance to an Ephe	emeral Stream:	(pts)_	0	Sampling	g Date:	5/12/98	_Time:	1:10PM
Distance to Nearest or Watering Pond:	Lake, Playa,	(pts)	0	Sample F	Results:			
Wellhead Protection	ո Area։	(pts)	0	j	space (ppm)	ND_	-	M904 <i>E</i>
Distance To Surface	e Water:	(pts)_	0		(ppm er BTEX \S			M8015
RANKING SCORE	(TOTAL POINTS)	_	0		CI <u>BILX (C</u>	744040,00	2071 (142	<u>- / _</u>
I HEREBY CERTIF KNOWLEDGE AND	Y THAT THE INFOR D BELIEF	MATION	ABOVE	IS TRUE	AND COMP	LETE TO T	HE BEST (OF MY
DATE:	5/28/98	!	PRINTED	NAME		JEFF CF	ROSS	
SIGNATURE	Jeff lion		TITLE		PROJEC	T MANAGI	ER	
	F THE SOIL REMED THE JICARILLA AP						N IS APPRO	OVED IN
APPROVED:	YES	NO_		_(REASO	N)		<u> </u>	_
SIGNED:	of Man	M	DATE:	6	2-98	Š		_

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE	APACHE # 156		1	
* AMOUNT OF SOIL UNDERGOING	REMEDIATION	146	Yds.	
		SampDATE	TPH	BTEX
CELL No. 1		5/12/98	ND	ND
DIMENSIONS(LxWxH) 120' X 30	0' X 12"			
CELL LOCATION (dir. from well head	NORTH			
CEEE LOCATION (dil. Holli Well head	NOKITI			
* DATE BEGAN: 12/2/95	•			
DATE TERMINATED (TPH <5,000 ppm/BTE	X< 50 ppm/Benzene < 10 ppm)	5/12/98	·	-
		SampDATE	TPH	BTEX
CELL No. 2				
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well head				
CELL LOCATION (dir. from well head				
* DATE BEGAN:				
DATE TERMINATED (TPH <5,000 ppm/BTE	EX< 50 ppm/Benzene < 10 ppm)			
		SampDATE	TPH	BTEX
CELL No3				
DIMENSIONS(LxWxH)				ļ
CELL LOCATION (dir. from well head			<u> </u>	
GEEL LOOATION (dir. nom wen nead				
* DATE BEGAN:				
DATE TERMINATED (TPH <5,000 ppm/BTE	EX< 50 ppm/Benzene < 10 ppm)			-
REMEDIATION RECORD: (Date, Treatment	, Tilling)			
12/17/95 TREAT SOIL WITH 28-0-0 FERTIL				
6/23/97 TREAT SOIL WITH 46-0-0 FERTILI	ZER,WATER,PLOW AND TILL S	OIL.		
7/14/97 PLOW AND TILL SOIL. 8/22/97 TREAT SOIL WITH 6LBS PHOSPH	ODIIC 121 BS LIME WATER DI	WAND TILL SO	11	
8/25/97 TILL SOIL.	ORUS, 12LBS LIME, WATER, FLC	TVV AND TILL SO	116.	
4/30/98 PLOW SOIL.				
5/9/98 TILL SOIL.				

From excavation reports.

7



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
В	analyte detected in Method Blank
E	result is estimated
Н	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: **9805125**

JICARILLA PIT CLOSURE

M	Malehn	
William P. Bia	va: President of Assaigai Analytical Laboratories, li	nc.

Client Sample ID	APACH	E #15	6 CELL	Sar Mat	nple SOIL	•			Sample Collected	05/12/98 13:10:00
Fraction	QC Group	CAS#		Result	Units	Dilution Factor	Detection Limit	*	Sequence	Run Date
			SW846-8020 Volatiles							
9805125-01A	X98267	71-43-2	Benzene	ND	mg / Kg	. 50	0.005	:	XG.1998.464-16	05/14/98
	X98267	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005	* *	XG.1998.464-16	
	X98267	95-47-6	o-Xylene	ND	mg / Kg	50	0.005	· · · ——	XG.1998,464-16	
	X98267		p/m Xylenes	ND	mg / Kg	50	0.01		XG.1998,464-16	
	X98267	108-88-3	Toluene	ND	mg / Kg	50	0.005		XG 1998 464-16	
			SW846-8015 Modified TPH							
9805125-01B	X98268		Diesel Range Organics	ND	mg / Kg	25	. 25		XG.1998.465-15	05/15/98



^{***} Sample specific analytical Detection Limit is determined by multiplying the sample Dilution Factor by the listed method Detection Limit. ***

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Client Apache Corporation

Chain of Custody Record

Project Manager / Contact Jeff Cross

7300 JEFFERSON, N.E. ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964 3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-6000

Address 2855		River	RD	Ste	ATelep	Southside River RD, Ste. ATelephone No. (505) 774-6643	774-664	13	<u> </u>		Analysis Required	
City / State / Zi	æ	NM_874	101-7	947	Fax	Fax No. (505) 774-6624	6624				1	
Project Name / Number_	/ Number				Samplers:	lers: (Signature)	Jeff C	con	X.			Remarks
Contract / Pur	Contract / Purchase Order / Quote					7	.			NY.		
AAL FRACTION NUMBER	Fleid Sample Number / Location		C Date	Time	Sample Care	Type / Size of Container		Temp. Chemical S				
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13	_		5-12-8	01:1		4 oz a lass			×			
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	Apache corp.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Company		AAC	_ Company	TAA!		11:30	Company ATL	
Reason		1		Reason			Reason				Reason -	
										After analysis,	After analysis, samples are to be:	
Method of Shipment:	f:		3	Comments: _						<u> </u>	Disposed of (additional:	
Shipment No.										<u>"</u> 	Stored (30 days max)	

LABORATORY

Special Instructions:

ree)

Stored over 30 days (ad-Returned to customer