District III

State of New Mexico Minerals and Natural Resources Department

DEPUTY OIL'& GAS INSPECTOR

DEC 1 7 1998

OIL CONSERVATION DIVISION

2040 S. PACHECO Santa Fe, New Mexico 87505 Submit 1 copy to Appropriate District and 1 copy to Santa Fe Office

HI	Wo to tel								1000
Operator:	Apache Corporation				Telephone	:	<u>()</u> 505-325-0		. DIV.
Address:	2855 Southside River Road, S	uite A, Farn	ningto	on, Ni	# 87401				
Facility or \	Well Name:	Apache #	155	Pit#	1				
Location:	Unit or Qtr/Qtr Sec	н	Sec	3	T 24 N	R 4W	County	Rio Arriba	
Pit Type:	Separator: XX	_Dehydrato	Γ		Other				
Land Type	Jicarilla Tribal								
	Beginning Pit Dimensions:	Length		28'	Width	28'	Depth	6'	
Pit Location: (Attach dia	Ending Pit Dimensions:	Length		28'	Width	28'	Depth	10'	
(rittaori ala	Reference:	Wellhead	X	XX	Other				
	Footage from reference:			130'					
	Direction from reference:		1	84	Degrees		East	North	
						x	of West	South _	XX
Depth To (vertical distal contaminants high water ele	to seasonal	. turi			Less than 5 50 feet to 9 Greater tha	9 feet		(20 points) (10 points)	0
(Less than domestic w	Protection Area: 200 feet from a private vater source, or; less than rom all other water sources)						Yes No	(20 points) (0 points)	0
(Horizontal lakes, pond	To Surface Water: distance to perennial ds, rivers, streams, creeks, anals and ditches)				Less than 2 200 feet to Greater tha	1000 feet	t	(20 points) (10 points) (0 points)	0
					RANKING	SCORE (TO	OTAL POIN	TS) _	0

Date Remediation Sta	irted:	11/27/95		_Date Comp	oleted:	12/14/95
Remediation Method: (Check all appropriate		Excavation	XXX	_Approx. cu	bic yards	116
sections)	Landfarmed		XX	_Insitu Biore	mediation	
		Other				
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)		Onsite	xx	_Offsite		
General Description o	of Remedial Action:		Excavate	pit to 10', to	ook PID readings.	
Spread soil	l on location for reme	ediation. 1	Γook soil s	amples.	Pit back filled w/	fill dirt
Groundwater Encoun	tered:	No	XX	Yes	De	pth
Final Pit: Closure Sampling: (in multiple samples,	Sample location		5 point com	posite taken fr	om pit sidewalls and p	oit bottom center
attach sample results and diagram of sample	Sample depth	10'	8 to 10" ir	oto nit sidev	valls 10" into pit be	oftom
locations and depths)	Sample Date Sample results		12/14/95		Sample Time	4:10 P.M.
	Benzene		(ppm)	ND		
	Total BTEX		(ppm)	ND		
	Field Headspace		(ppm)	7.46		
	TPH			740		
Groundwater Sample:		Yes		_ No		attach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND BI		ION ABOV	E IS TRUE	AND COM	PLETE TO THE BE	ST OF MY
DATE	June 8, 1998		PRINTED	NAME	Jeff Cross	
SIGNATURE	leff lun		AND TITL	E .	Project Manager	

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

Operator:	Apache Corporation				Telephone	:	505-325-	0318	
Address:	2855 Southside River Road, Su	uite A, Farm	ingto	n, NN	87401				
Facility or	Well Name:	Apache #	155	Pit #2	2				
Location:	Unit or Qtr/Qtr Sec	н	Sec	3	T 24 N	R 4W	_County	Rio Arriba	
Pit Type:	Separator:	_Dehydrato	r		Other	Drip Pit			
Land Type	Jicarilla Tribal						· · · · · ·		-
	Beginning Pit Dimensions:	Length		21'	Width	21	' Dept	h3'	
Pit Location: (Attach dia	Ending Pit Dimensions:	Length		21'	Width	21	<u>'</u> Dept	h10'	
(/ ttaoir ala	Reference:	Wellhead	X	xx_	Other				
	Footage from reference:			130'					·
	Direction from reference:		3	00	Degrees		_East	North	
						xx	_West	of South	х
Depth To	Groundwater:				Less than t	50 feet		(20 points)	
(vertical dista					50 feet to 9			(10 points)	
contaminants					Greater tha	an 100 feet		(0 points)	0
high water ele groundwater)									
	Protection Area:						Yes	(20 points)	
domestic w	200 feet from a private vater source, or; less than rom all other water sources)						No	(0 points)	0
	To Surface Water:				Less than 2			(20 points)	
•	ds, rivers, streams, creeks,				200 feet to Greater that		et .	(10 points) (0 points)	0
	anals and ditches)				RANKING			•	0

Date Remediation Sta	ırted:	11/27/95		Date Complet	ted:	11/28/95
Remediation Method: (Check all appropriate		Excavation	xxx	_Approx. cubic	yards	114
sections)	Landfarmed		XX	_Insitu Bioreme	ediation	
		Other				
Remediation Location		Onsite	XX	Offsite		
(i.e. landfarmed onsite, name and location of offsite facility)						
General Description o	of Remedial Action:		Excavate	pit to 10', took	c PID readings.	
Spread soil	l on location for reme	ediation. T	Took soil s	samples. Pi	it back filled w/	fill dirt
Groundwater Encoun	tered:	No	xx	Yes	De	epth
Final Pit: Closure Sampling: (in multiple samples,	Sample location		5 point com	posite taken from	pit sidewalls and	pit bottom center
attach sample results	Carrate donth		C 1 - 400 :-			
and diagram of sample locations and depths)	. ,	10'	8 to 10 II	nto pit sidewaii	ls 10" into pit b	ottom
	Sample Date Sample results		11/28/95	<u>s </u>	ample Time	8:30 A.M.
	Benzene		(ppm)	ND		
	Total BTEX		(ppm)	ND		
	Field Headspace		(ppm)	23.14		
	TPH			86		
Groundwater Sample:		Yes		No		attach sample results)
I HEREBY CERTIFY TO KNOWLEDGE AND BI		TON ABOV	'E IS TRUE	AND COMPL	ETE TO THE BI	EST OF MY
DATE	June 8, 1998		PRINTED	NAME <u>Je</u>	ff Cross	
SIGNATURE	Jeff Cur		AND TITL	.E <u>Pr</u>	oject Manager	

U

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

Operator:	APAG	CHE CO	RPORAT	TION .		Telephone)	505-32	25-0318		
Address:	2855	SOUTH	ISIDE R	IVER ROAI	O / SUITE A	/ FARMIN	GTO	M.N NC	. 87401-794	17	
Facility or We	ell Nar	me:		APACHE #	# 155 PIT #	1					
Location:	Unit o	or Qtr/Qt	r Sec	Н	SEC 3	T 24N	R	4W	County	RIO ARRIB	Α
Pit Type:	Sepa	rator:	ХХ	Dehydrato	r	Other					
Land Type:		JIC	C. TRIBA	\L							<u> </u>
Pit Location: (Attach diagra	am)	Pit Dime		Length Wellhead	28'	Width		28'	Depth	10'	
		Footage	from ref	erence:	130'		-				
		Direction	n from re	ference:	184	Degrees			_E:ast of	North _	
								Χ	West	South _	XX
Depth To Gr	ound	water				Less than !	50 f	oot		(20 points)	
(vertical distance		water.				50 feet to 9				(10 points)	
contaminants to s		.1				Greater tha				(0 points)	0
high water elevation groundwater)						Oreater the	aii i	00 1001		(o points) _	<u> </u>
Distance to a	an En	hemeral	Stream	•		Less than	100	feet		(10 points)	
(Downgradier						Greater tha				(0 points)	
ten feet in wic	_	.		•						(-	
Distance to I	Neare	st Lake.	Plava, o	or Watering	Pond:	Less than	100	feet		(10 points)	
(Downgradier				-	-	Greater tha				(0 points)	0
livestock or w										, , _	
Wellhead Pro	otecti	on Area	•					Yes		(20 points)	
(Less than 20								No		(0 points)	0
domestic wate 1000 feet fror	er sou	irce, or le	ess than	es)						` ' /-	
				,							
Distance To						Less than '	100	feet		(20 points)_	
(Horizontal di		•				100 feet to				(10 points)	
lakes, ponds,				S,		Greater tha	an 1	000 fee	t	(0 points) _	0
irrigation cana	ais an	a anches	5)			RANKING	SC	ORE (T	OTAL POIN	ITS) _	0

Date Remedi	ation Start	ed: 11/27/	95	_Date Comple	ted:	12/14/95	
Remediation		Excavation	xxx	_Approx. cubic	yards	116	
(Check all appose ctions)	propriate	Landfarmo	ed XX	_Insitu Biorem	ediation		
		Other					
Remediation		Ons	site XX	_Offsite			
(i.e. landfarme name and loc offsite facility)	ation of						
General Desc	cription of	Remedial Action:	Excavate pit	to 10',took Pil	D readings. spread	d soil on	
		or remidiation. Too					
Groundwate	r Encounte	ered:	No xxx	_ Yes	Dept	h	-
Final Pit:		Sample location	5 point co	mposite taken	from pit sidewalls a	and pit bottor	n center.
Closure Sam (in multiple sa		•				-	
attach sample	e results	Sample depth 10	8" to 10" ii	nto pit side wa	lls ,10" into pit botto	om.	
locations and			12/14/95		ample Time		
	Sample re				<u> </u>		
	Soil:	Benzene	(ppm)	ND W	/ater: Benzene	(ppb)	<u>NA</u>
		Total BTEX	(ppm)	ND	Toluene	(ppb)	<u>NA</u>
		Field Headspace	(ppm)	7.46	Ethylbenzene	(ppb)	NA
		TPH	(ppm)	740	Total Xylenes	(ppb)	NA
Groundwate	r Sample:	١	/es	_ No _	XXX (If yes att	ach sample	results)
I HEREBY CI KNOWLEDG		IAT THE INFORMA LIEF.	TION ABOVE	IS TRUE AN	D COMPLETE TO	THE BEST (OF MY
DATE		5/28/98	PRINTED	NAME _	JEFF CI	ROSS	
SIGNATURE		lefflion	AND TITL	.E	PROJEC	T MANAGEI	R
	LA APAC	IE PIT CLOSURE II HE TRIBE PIT CLO	SURE ORDIN	IANCE.	RE IS APPROVED	IN ACCORI	DANCE TO
APPROVED:	YES		NO	_(REASON)_			
		071	\mathcal{O}				
SIGNED:	Xer	Mom	<u> </u>	_DATE: _	6-2-98		

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

Operator:	APA	CHE CORPORAT	TION		Telephone 505-325-0318					
Address:	2855	SOUTHSIDE R	VER ROAD) / SUITE /	A / FARMIN	GTON N.M	<u>1. 87401-79</u>	47		
Facility or Well Name: APACHE # 155 PIT # 2										
Location:	Unit	or Qtr/Qtr Sec	Н	SEC 3	T 24N	R 4W	_County	RIO ARRIE	A	
Pit Type:	Sepa	arator:	Dehydrator		_Other	DRIP PIT				
Land Type:		JIC. TRIBA	L					-		
Pit Location: (Attach diagra	ım)	Pit Dimensions:	Length Wellhead	21' XXX	Width Other	21'	Depth	10'		
		Footage from ref Direction from re	•	300	Degrees	-	_East of	North	x	
						XX	_West	South		
Depth To Gro (vertical distance f contaminants to so high water elevation groundwater)	from easona				Less than 9 50 feet to 9 Greater tha	99 feet		(20 points) (10 points) (0 points)		
	t dry	hemeral Stream: wash greater thar			Less than f			(10 points) (0 points)	0	
(Downgradien	t lake	st Lake, Playa, o es, playas and watering ponds)	r Watering	Pond:	Less than 1 Greater tha			(10 points) _ (0 points) _	0	
domestic wate	0 feet er sou	on Area: from a private irce, or less than other water source	s)			Yes No		(20 points) _ (0 points) _	0	
Distance To \$ (Horizontal dis lakes, ponds, i irrigation cana	stance rivers	e to perennial s, streams, creeks	1		Less than 1 100 feet to Greater tha RANKING	1000 feet an 1000 fee	et OTAL POIN	(20 points) _ (10 points) _ (0 points) _	0	

Date Remediation Sta	rted: 11/27/	95	Date Com	pleted:		11/28/95	···
Remediation Method:	Excavation	xxx	Approx. cu	bic yards		114	
(Check all appropriate sections)	Landfarme	ed XX	Insitu Biore	emediation			
	Other						
Remediation Location		ite XX	_Offsite				
(i.e. landfarmed onsite, name and location of offsite facility)							
General Description o	of Remedial Action: I	Excavate pit	to 10',took	PID reading	gs. spread	l soil on	
location	for remidiation. Too	k soil samp	les. BAck	filled &	it w/F	all Diet	
Groundwater Encoun		No xxx			,		
Final Pit: Closure Sampling: (in multiple samples,	Sample location	5 point co	omposite take	en from pit s	sidewalls a	nd pit botton	n center.
attach sample results and diagram of sample	Sample depth /0'	8" to 10"	into pit side v	valls ,10" in	to pit botto	m.	
locations and depths) Sample [Sample r		11/28/9	5	Sample Tir	me	8:30AM	
Soil:	Benzene	(ppm)	ND	Water:	Benzene	(ppb)	NA
	Total BTEX	(ppm)	ND		Toluene	(ppb)	NA
	Field Headspace	(ppm)	23.14	Eth	ylbenzene	(ppb)	NA
	TPH	(ppm)	86	Tota	al Xylenes	(ppb)	NA
Groundwater Sample	Y	es	_ No	XXX	(If yes atta	ach sample r	esults)
I HEREBY CERTIFY T KNOWLEDGE AND BI		TION ABOVI	E IS TRUE A	ND COMPI	ETE TO 1	HE BEST (OF MY
DATE	5/28/98	PRINTED	NAME		JEFF CR	oss	
SIGNATURE	efflion	AND TITI	LE		PROJECT	MANAGER	t
AFTER REVIEW OF T THE JICARILLA APAC				URE IS AP	PROVED	IN ACCORE	ANCE TO
APPROVED: YES	s <u> </u>	10	_(REASON)	l	· • • • • • • • • • • • • • • • • • • •		
. /	A (a a	00		.	-	···	
SIGNED:	- (Mam)		_DATE:	6 - 3	2-98		

APACHE CORPORATION FARMINGTON DISTRICT

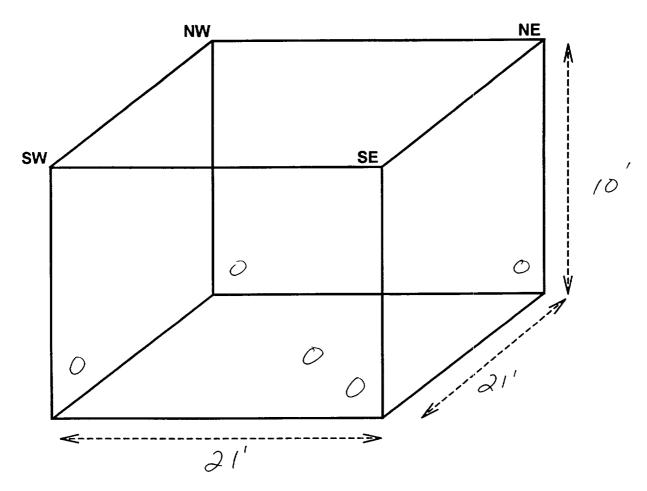
PIT EXCAVATION AND CLOSURE REPORT JICARILLA APACHE TRIBAL EPO REVIEW AND APPROVAL LOCATION: APACHE 155 EPO REPRESENTATIVE CM DATE OF REVIEW: 12-27-95 PIT COUNT: 2 **EXCAVATION** DIMENSIONS START **FINISH** L D D CU.YDS. PIT 1 28' 28' 6' 28' 10' PIT 1 28' 116.0 PIT 2 21' 21' 3' PIT 2 21' 21' 10' 114.0 PIT 3 PIT 3 DATE: 11/27/95 PIT1@10' PIT2@07' DATE: PIT1@ PIT2@ PIT3@ PIT3@ CENTER 20.0 610.0 CENTER P. NW CORNER 3.7 517.0 P. NW CORNER I. NE CORNER 38.9 312.0 I. NE CORNER D. SW CORNER 0.0 > 2500 D. SW CORNER SE CORNER 95.6 SE CORNER 5.5 NOTES: 11/27/95 -PIT 1 - Staining to 7'. No odor @ 10' PIT 2 - Black sand w/strong odor to 7'. 12/05/95 PIT 2 - Excavate to 10' SOIL SAMPLING

DATE: 11/27/95 PIT1@10' PIT2@07 PIT3@ ANALYSIS RESULTS PER LAB: **ASSAIGAI** WITNESS DATE CENTER 20.0 610.0 PIT TPH **BETEX** P. NW CORNER 3.7 NO. 517.0 I. NE CORNER 38.9 312.0 IF&S 11/27/95 1 ND D. SW CORNER 0.0 > 2500 2 IF&S 11/27/95 ND SE CORNER 5.5 95.6 3 RE-SAMPLE OR CELL(S) SAMPLE

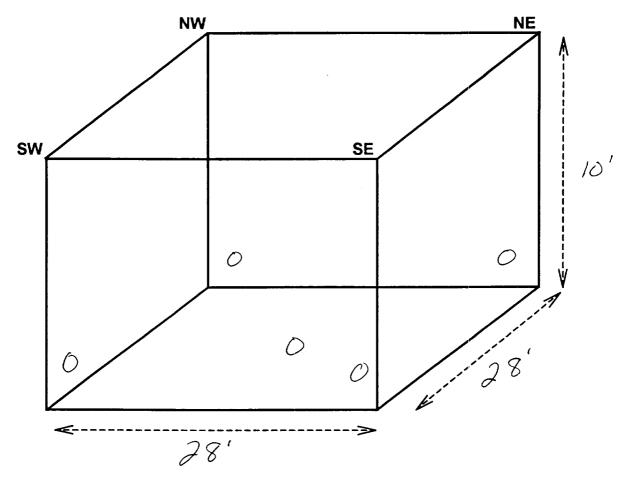
	113 0.2.11.23 011 0222(1					****			
DAT	E: 12/14/95	PIT1@10'	PIT2@10'	PIT3@'	ANA	ALYSIS RESU	LTS	PER LAB:	ASSAIGAI
1751	CENTER	4.5	28.0		PIT	TPH	BETEX	WITNESS	DATE
P.	NW CORNER	16.8	23.2		NO.				
I.	NE CORNER	7.6	15.4	740	1	2400	NOSS	JDT	12/14/95
D.	SW CORNER	4.6	21.7		2	120	.41	JDT	12/14/95
	SE CORNER	3.8	27.4		3				

RE-SAMPLE OR CELL(S) SAMPLE

DAT	E:	PIT 1	PIT 2	PIT 3	ANAL	YSIS RESU	JLTS	PER LAB:	
	CENTER				PIT	TPH	BETEX	WITNESS	DATE
P.	NW CORNER				NO.				
ıI.	NE CORNER				1				
D.	SW CORNER				2				
	SECORNER				3				



			\bigcirc	= SAMPLE AREA
WELL NAM	ΛE	APACHE # 155 PIT # 2		
SAMPLE D	ATE	12/14/95		
NOTES	5 POIN	T COMPOSITE SAMPLE TAKEN 8" TO 10"	INTO PIT	
	SIDEW	ALL AND PIT BOTTOM CENTER.		
_				
•				
•			, , , , , , , , , , , , , , , , , , , ,	
•				
•				
•	···			



			= SAMPLE AREA
WELL NAM	ИE	APACHE # 155 PIT # 1	
SAMPLE DATE		12/14/95	
NOTES		NT COMPOSITE SAMPLE TAKEN 8" TO WALL AND PIT BOTTOM CENTER.	10" INTO PIT

(J ID: 9512195-11B Sample ID: AP #123

Collected: 12/14/95 15:55:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	2400 12/21/95	mg/Kg N/A	5.0	250	01/05/96	SLFTD57

Lab ID: 9512195-12A Sample ID: 19512195-12A Collected: 12/14/95 16:10:00

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 ND	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0010 0.0010	50 50 50 50 50	12/27/95 12/27/95 12/27/95 12/27/95 12/27/95	SBTXME097 SBTXME097 SBTXME097 SBTXME097 SBTXME097

Lab ID: 9512195-12B
Sample ID: 155=H; p+#

Collected: 12/14/95/16:10:00

Matrix: SOIL

ST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	12/21/95	mg/Kg N/A	5.0	250	01/06/96	SLFTD57

Lab ID: 9512195-13A Sample ID: AP #123

Collected: 12/04/95 12:15:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	500	12/18/95	SBTXME095
Toluene	ND	mg/Kg mg/Kg	0.0010	500	12/18/95	SBTXME095
Ethylbenzene	ND	mg/Kg	0.0010	500	12/18/95	SBTXME095
P-&m-Xylene	ND	mg/Kg	0.0010	500	12/18/95	SBTXME095
O-Xylene	ND	mg/Kg	0.0010	500	12/18/95	SBTXME095

Lab ID: 9512195-13B **Sample ID:** AP #123

Collected: 12/04/95 12:15:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel HCs DSL XT/CAL DHS 8015M	1400 12/21/95	mg/Kg N/A	5.0	250	12/22/95	SLFTD56

GR PURA

4DAChs

Client

Chain of Custr 1y Record

Project Manager / Contact John

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

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

7300 JEFFERSON, N.E. ALBUQUERQUE, NEW MEXICO 8710; ... (505) 345-8964

MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Address	Address 304 N. 13shornd	4		Teleph	Telephone No. $(5(5)$	(505) 325.0318	318		An	Analysis Required	
City / State /	CITY/State/ZIP FARMING TOW, NIT! E74	J. NITT	Nr E7401		(50	325-0325					
Project Nami	Contract / Purchase Order / Quote				Sampiers: (Signature)			- (Selled 1860			
AAL FRACTION NUMBER	Field Location	_	Dete	Sample	Type / Size of Container	<u> </u> =	Preservation	H/6/./			
07.A	151 # db	12/14	4 3.05	1,05	4 OZ. Class		<u> </u>				
Œ	AP# 154		3:05			-	/				
880	104 103		3.20								
B	103		3.20								
B	102-11		3:30								
S	AP# 102. H		3.30								
10A	102.C		3.40								
Q and	AP# 102. C.		3:40								
11 A	104/23		3:55		,						
9	AP# 123		3.55	,	,						
12A	11-551 #dV		11:1C	/	* /						
S. Company	AP# 155. H		4:10		/)				
linquished by:	Desthe) 1 C7	Received by:	E. A.	of low	Relinquished by	Sept.	J. Comments	Date	Received by:	
rinted 2001	Dud Er Loskal	10,1%		E NIN	5. Charle		EN115	Charet	1/(//0/	13	north I
1	F.R. & SAR4	10:45 Am		200		Company	Mc		12.16.24	Company AAC	A
leason / 5.51	251.65		Reason			Reason			:	Reason	
))		After analysis, 88	After analysis, samples are to be:	
/ethod of Shipment: _	ent:		Comments:							Disposed of (additional fee)	
hipment No.								-		Stored (30 days max)	_
pecial Instructions:	J8:								Sto	Stored over 30 days (additional fee)	

Returned to customer



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:

December 14, 1995 16:34

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

ATTN: JOHN TAYLOR

WORKORDER # : 9512030

WORK ID : F

: PIT REMEDIATION

CLIENT CODE : APA01

DATE RECEIVED : 12/04/95

Page: 1

Lab ID: 9512030-01A

Sample ID: AP #155-H

Collected: 11/28/95 08:10:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	ND 12/06/95	mg/Kg N/A	5.0	50	12/08/95	SLFTD054

b ID: 9512030-01B

₄mple ID: AP #155-H

Collected: 11/28/95 08:10:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg mg/Kg mg/Kg mg/Kg	0.0010	500	12/07/95	SBTXXME094
Toluene	ND	mg/Kg	0.0010	500	12/07/95	SBTXXME094
Ethylbenzene	ND	mg/Kg	0.0010	500	12/07/95	SBTXXME094
P-&m-Xylene	ND	mg/Kg	0.0010	500	12/07/95	SBTXXME094
O-Xylene	ND	mg/Kg	0.0010	500	12/07/95	SBTXXME094

Lab ID: 9512030-02A

Sample Dan 1555C/ PA

Collected: 28/95 08:30:00

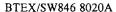
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel HCs DSL XT/CAL DHS 8015M	86B 12/06/95	mg/Kg N/A	5.0	5.0	12/07/95	SLFTD054

Lab ID: 9512030-02B Sample ID: AP #155-C Collected: 11/28/95 08:30:00

Matrix: SOIL

ST / METHOD RESULT UNITS LIMIT D_F DATE BATCH_ID ANAL



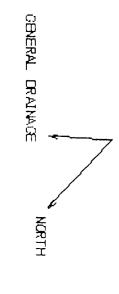


o ID: 9512030-02B

Sample ID: AF

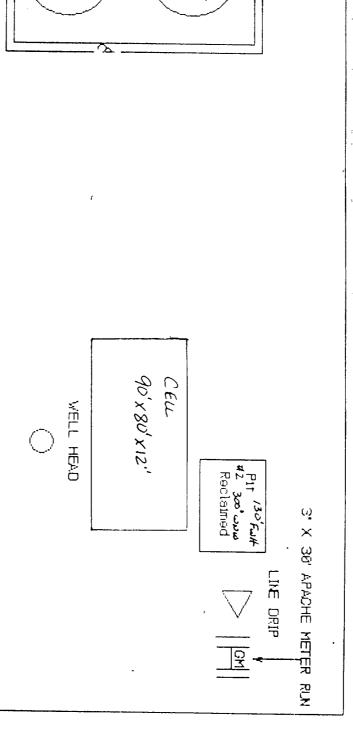
Collected: 08:30:00 Matrix: SOIL

Sample ID. Al-	1.4.5	Matrix. 50	711			
TEST / METHOD	RESULT	UNITS	LIMIT	.D_F	DATE ANAL	BATCH_ID
BTEX/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: 9512030-03A Sample ID: AP #104-H		Collected: Matrix: So		95 13	: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	ND 12/06/95	mg/Kg N/A	5.0	250	12/08/95	SLFTD054
Lab ID: 9512030-03B Sample ID: AP #104-H		Collected: Matrix: So		95 13	:30:00	
ST / 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	0.0010 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: 9512030-04A Sample ID: AP #154-H		Collected: Matrix: So		95 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	1500 12/06/95	mg/Kg N/A	5.0	250	12/08/95	SLFTD054
Lab ID: 9512030-04B Sample ID: AP #154-H		Collected: Matrix: So		95 17	:30:00	
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene	ND ND	mg/Kg mg/Kg	0.0010 0.0010	500 500	12/07/95 12/07/95	SBTXME094 SBTXME094



RIO ARRIBA COUNTY, NM SECTION 3. TOWNSHIP 24N. RANGE 4W SE/4 NE/W (H) APACHE NUMBER ISS Lesse # JAT 127 APACHE

Revised 6/1/97 <u>3</u>



460 881

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130' Fw#

SEPARATOR

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Reclaimed 18405500

P11 #/

466 BBL

OIL

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	CORPORATION	l		Telephon	e	505-325-0	318	
Address:		2855 SOUTHS	IDE RI	VER ROAD	/SUITE A	/ FARMING	TON , N.M.	87401-79	47
Facility or We	ell Name:	APA	ACHE :	# 155		. , ,,,,,,,,			
Location:	Unit or Qtr	/Qtr Sec	Н	Sec 3	T 24N	R 4W	County	RIO ARRI	ВА
Land Type		JIC. TRIBAL							
Date Remedi	ation Starte	d: 11/	/27/95		Date Com	npleted:		5/12/98	
Remediation	Method:	Landfarmed		XXX	Approx. c	ubic yards		230	
		Composted			-				
		Other							
Depth to Gro	undwater:		(pts)	0		Final Clo	sure Sampl	ling	:
Distance to a	n Ephemera	al Stream:	(pts)	0	Sampling	Date:	_5/12/98	_Time:	1:45PM
Distance to N or Watering F		e, Playa,	(pts)	0	Sample R		ND		
Wellhead Pro	tection Are	a:	(pts)	0	Field Headsp	pace (ppm) (ppm)	<u>ND</u> ND	- Method	M8015
Distance To S	Surface Wa	ter:	(pts)	0			W846 , 802	-	
RANKING SO	CORE (TO)	TAL POINTS)		0	Othe	DIEX TO	11040,002	(110	
I HEREBY CI KNOWLEDG		AT THE INFOR LIEF	MATIO	N ABOVE	IS TRUE A	ND COMPI	LETE TO TH	HE BEST C	F MY
DATE:		5/28/98		PRINTED	NAME		JEFF CR	oss	
SIGNATURE		efflor		TITLE		PROJECT	T MANAGE	R	
		E SOIL REMED JICARILLA AP						I IS APPRO	OVED IN
APPROVED:	YES		NO		(REASON	۸)			_
SIGNED: -	Lui	C Man	U	DATE:	6	-2-9	8		-

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

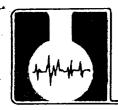
REMEDIATION SITE	APACHE # 155		_	
* AMOUNT OF SOIL UNDER	RGOING REMEDIATION	230	Yds.	
		SampDATE	TPH	BTEX
CELL No. 1		5/12/98	ND	ND
	•			
DIMENSIONS(LxWxH)	90' X 80' X 12"			
OF LL COATION (die fee ee well b	COUTU		.	ļ
CELL LOCATION (dir. from well h	nead SOUTH			 -
* DATE BEGAN:11/27/95				
DATE TERMINATED (TPH <5,00	0 ppm/BTEX< 50 ppm/Benzene < 10 ppm)	5/12/98	3	_
		SampDATE	TPH	BTEX
CELL No. 2		<u> </u>		
	•			
DIMENSIONS(LxWxH)				
l	_		ļ	
CELL LOCATION (dir. from well h	nead		<u> </u>	ļ
* DATE BEGAN:				
DATE BEGAN.		L	1	<u> </u>
DATE TERMINATED (TPH <5,00	0 ppm/BTEX< 50 ppm/Benzene < 10 ppm)			
		SampDATE	TPH	BTEX
CELL No. 3	•			<u> </u>
DIMENSIONS (LANGU)			 	<u> </u>
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well h	nead			ļ
* DATE BEGAN:				
DATE TERMINATED (TPH <5,00	00 ppm/BTEX< 50 ppm/Benzene < 10 ppm)			-
REMEDIATION RECORD: (Date,	Treatment, Tilling)			
	4 FERTILIZER,PLOW AND TILL SOIL.			
	FERTILIZER,WATER,PLOW AND TILL SO	OIL.		
6/23/97 PLOW AND TILL SOIL.				
7/14/98 WATER, PLOW AND TILL	L SOIL. BS PHOSPHORUS,36LBS LIME,WATER,PL	OW AND THE S		····
4/30/98 PLOW SOIL.	S FROSFRORUS, SULDS LIME, VVA I ER, PL	TOAN WIND LIFT OF	OIL.	
5/9/98 TILL SOIL.				

From excavation reports.

= SAMPLE AREA WELL NAME: SAMPLE DATE: DIMENSIONS: or white the

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9 point composite sample			



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
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: 9805123

JICARILLA PIT CLOSURE

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

Client Sample ID	APACH	E #15	5 CELL		mple SOIL	-			Sample Collected	05/12/98 13:45:00
Fraction	QC Group	CAS#		Result	<u>Units</u>	Dilution <u>Factor</u>	Detection <u>Limit</u>	*	Sequence	Run <u>Date</u>
			SW846-8020 Volatiles							
9805123-01A	X98267	71-43-2	Benzene	ND	mg / Kg	50	0.005		XG.1998,464-14	05/14/98
	X98267	100-41-4	Ethylbenzene	ND	mg/Kg	50	0.005		XG.1998.464-14	
	X98267	95-47-6	o-Xylene	ND	mg/Kg	50	0.005		XG.1998.464-14	
	X98267	!	p/m Xylenes	ND	mg / Kg	50	0.01		XG.1998.464-14	
	X98267	108-88-3	Toluene	ND	mg / Kg	50	0.005		XG.1998.464-14	
			SW846-8015 Modified TPH							
9805123-01B	X98268		Diesel Range Organics	ND	mg / Kg	25	25		XG.1998.465-13	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.

Chain of Custody Record

7300 JEFFERSON, N.E. ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964

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

Client Apache Corporation	Project Manager/Contact Jeff Cross		1
Address 2855 Southside River RD.	Ste.	Analysis Required	
City/State/ZipFarmington, NM 87401-7947	-7947 Fax No. (505) 774-6624 ///		
Project Name / Number	Samplers: (Signature) - fell wood Samplers:	Remarks	
Contract / Purchase Order / Quote			
FRACTON Sample Number / Location 1917 Spite	Time Sample Type / Size of Container Temp Chemical .	100 mg 10	- 1
1/x Apache #155 ca11 5-1298	78 1:15 Soil 4 02 glass Tea 1 X		
190 Apache #155 ce!! 1	× 1		
			\neg
			1
			Ī
Relinquished by: // / / / Date	Relinquished by:	Date Received by: 2 . 0 . 1. St A	1
Signature July Con	Signature Signature	Signature C. Ch. Ch. Ch. Ch.	1
Abach Corp.	AC. Company AAC	Time Company Att	1 1
Reason 9:30	Reason	Reason Arechysis	
		After analysis, samples are to be:	
Method of Shipment:	Сотменть:	Stored (30 davs max)	-
Shipment No.			
Special instructions:		Returned to customer	
			1

W.