District III State of New Mexico
1000 Rio Brazos Rd Energy Minerals and Natural Resources Department
Aztec, MM 87410

Submit 1 copy to Appropriate District

DEC 1 7 1998

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



PIT REMEDIATION AND CLOSURE REPORT. GON. DIV.

	//	4							
Operator:	Apache Corporation			Telephone	· ·	505-3	25-03	318	
Address:	2855 Southside River Road, St	uite A, Farm	ington, NN	87401					
Facility or V	Well Name:	Apache #	125 #13		 				
Location:	Unit or Qtr/Qtr Sec	F	Sec 25	T 25 N	R 4W	Coun	ty	Rio Arriba	
Pit Type:	Separator:	_ Dehydrator	r	Other	Blow Pit			···-	
Land Type:	Jicarilla Tribal								
	Beginning Pit Dimensions:	Length	25'	Width	30'		Depth	3'	
Pit Location: (Attach diag	Ending Pit Dimensions:	Length	33'	. W idth	33'	_ [Depth	<u>7'</u>	
(Attach dias	Reference:	Wellhead	XXX	Other					
	Footage from reference:		100'		-				
	Direction from reference:		166	Degrees	X	East		North	
						West	of	South	ХX
Depth To (Groundwater:		· · · · · · · · · · · · · · · · · · ·	Less than 50 feet to 9				(20 points) (10 points)	
contaminants high water ele groundwater)				Greater tha	an 100 feet			(0 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,			Less than 200 feet to Greater that		t		(20 points) (10 points) (0 points)	0
irrigation ca	anals and ditches)			RANKING	SCORE (To	OTAL.	POIN	TS)	0

				·	
Date Remediation Sta	ırted:	6/9/97		Date Completed:	6/10/97
Remediation Method: (Check all appropriate		Excavation	XXX	Approx. cubic yards	300
sections)	Landfarmed		XX	Insitu Bioremediation	
		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 7', took PID read	ings.
Spread soi	on location for rem	ediation.	Took soil s	amples. Cell #1 spr	eac on location.
Cell #2 put	back in pit. Contou	r pit			
					
Groundwater Encoun	tered:	No	XX	Yes	Depth
Final Pit: Closure Sampling: (in multiple samples,	Sample location		4 point comp	osite taken from pit sidewa	alls and pit bottom center
attach sample results and diagram of sample	Sample depth	7'	8 to 10" in	to pit sidewalls 10" in	to pit bottom
locations and depths)	Sample Date Sample results		6/10/97	Sample Tin	ne <u>11:00 A.M.</u>
	Benzene		(ppm)	<u>ND</u>	
	Total BTEX		(ppm)	ND	
	Field Headspace		(ppm)	37.2	
	TPH			ND	
Groundwater Sample		Yes			(If yes attach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND B		TION ABOV	E IS TRUE	AND COMPLETE TO	THE BEST OF MY
DATE	June 24, 1998		PRINTED	NAME Jeff Cross	<u> </u>
SIGNATURE	My Gron	· 	AND TITLE	Project Ma	nager

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	505-32	25-0318		
Address:	304	N. BEHREND,	FARMINGT	ON, N.M.	84701				
Facility or We	ell Na	me:	JAT 125#	13	·				
Location:	Unit	or Qtr/Qtr Sec	F	SEC 25	T 25N	R 4W	County	RIO ARRIB	A ,
Pit Type:	Sepa	arator:	Dehydrato	r	_Other	BLOW PIT	Γ		
Land Type:		JIC. TRIBA	AL						
Pit Location:	>	Pit Dimensions:	Length	33'	Wicth	38'	Dep	oth 7'	
(Attach diagra	am)	Reference:	Wellhead	XXX	_Other				
		Footage from re	ference:	100'					
		Direction from re	ference:	166	_Degrees	<u> </u>	_East	North _	
							_West	South	XX
Depth To Gr	ound	lwater:			Less than	50 feet		(20 points)	
(vertical distance					50 feet to 9			(10 points)	
contaminants to s high water elevati groundwater)		al			Greater tha	an 100 feet		(0 points)	0
Distance to	an Ep	hemeral Stream	:		Less than	100 feet		(10 points)	
(Downgradier ten feet in wid	-	wash greater tha	n		Greater tha	an 100 feet		(0 points)	0
		est Lake, Playa, (or Watering	g Pond:	Less than	100 feet		(10 points)	
		es, playas and e watering ponds)			Greater tha	an 100 feet		(0 points)	0
Wellhead Pr						Yes		(20 points)	
domestic wat	er so	et from a private urce, or less than other water sourc	es)			No	•	(0 points)	0
Distance To					Less than			(20 points)	
'		ce to perennial	•			1000 feet	. +	(10 points)	0
irrigation can		s, streams, creek nd ditches)	>,		Greater tha	an 1000 fee	i.	(0 points)	U
					RANKING	SCORE (T	OTAL PO	OINTS)	0

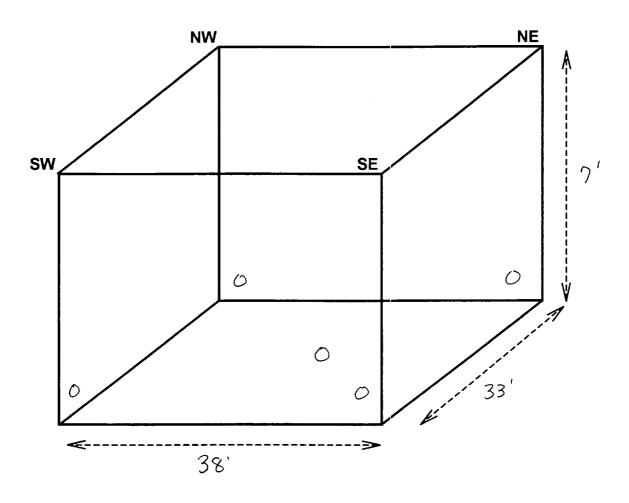
Date Remediation Star	rted: 6/9/9	7	_Date Comp	oleted:	6-10-97	
Remediation Method: (Check all appropriate	Excavation	xxx	_Approx. cu	bic yards	300	
sections)	Landfarmed	<u> </u>	_Insitu Biore	mediation		<u>-</u>
	Other					
Remediation Location (i.e. landfarmed onsite,	: Onsit	e XX	Offsite			
name and location of offsite facility)				······································		
General Description of	Remedial Action: E	xcavate pit t	:o 7',took P	D readings, spre	ad soil on	
	or remidiation. Took					au tBackin
Groundwater Encount			pit.	1 spredd ou Locu Conture pit	epth	-
Final Pit:	Sample location	4 POINT C	OMPOSITE	SAMPLE TAKEN	1 8 TO 10" INT	O PIT
Closure Sampling: (in multiple samples,	SIDEWA	LLS,GRAB S	SAMPLE TAI	KEN 10" INTO PI	T BO'TTOM CI	ENTER.
attach sample results and diagram of sample				alls ,10" into pit bo		
locations and depths) Sample D		6/10/97		Sample Time	11:00AM	
Sample re		0/10/07		oample Til <u>tle</u>	11.00/10	
Soil:	Benzene	(ppm)	ND_	Water: Benzei	ne (ppb)	NA
	Total BTEX	(ppm)	ND	Toluen	e (ppb)	NA
	Field Headspace	(ppm)	37.2	Ethylbenze	ne (ppb)	NA
	TPH			'Total Xylen	es (opb)	NA
Groundwater Sample:	Ye	s	ND\BTM No_	XXX (If yes	attach sample	results)
I HEREBY CERTIFY TH KNOWLEDGE AND BEI		ON ABOVE	IS TRUE A	ND COMPLETE T	O THE BEST	OF MY
DATE	- 8-98	PRINTED	NAME _	JEFF	CROSS	
SIGNATURE Le	ff (wo	_AND TITLI	E -	PROJE	CT MANAGE	R
AFTER REVIEW OF TH THE JICARILLA APACE	E PIT CLOSURE INF IE TRIBE PIT CLOSU	ORMATION JRE ORDINA	, PIT CLOS ANCE.	URE IS APPROVE	D IN ACCOR	DANCE TO
APPROVED: YES	NO)	(REASON)	· · · · · · · · · · · · · · · · · · ·		
SIGNED: Low	C Man	<u>U</u>	DATE:	6-23-9	8	

(

M W PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

		Dicarilla Apache Tribal EPO/OCD/BLM
LOCATION	JAT 125 # 13	Review and Approval
		OCDBLM
PIT COUNT	1	EPO Representative
		Date of Review

DIMEN		1			Excavati	on		i .	
	SIONS	START:	6/9/97		FINISH:	6/10/97			
	W	L	D			W	L	D	CU YDS
Pit 1	30,	25'	3'	Pit 1		38'	33'	7'	300
Pit 2				Pit 2					
Pit 3		 		Pit 3	<u>-</u>				
	1	Pit 1 @ 7'	Pit 2 @	Pit 3 @		<u> </u>	Pit 1 @ 7'	Pit 2 @	Pit 3 @
	Center	5	1 2 6	1		Center	5	 	
P	NW Corner	82			ļρ	NW Corner	82	· · · · · · · · · · · · · · · · · · ·	
	NE Corner	16			∃ i	NE Corner	16	 	†
D	SW Corner	13	+		;	SW Corner	13		
U	SE Corner	70	- 		┨	SE Corner	70		
NOTES	•	70				OL Comer	1	<u>.i.</u>	<u> </u>
NOTES		TEVOANATIO	DN ON DIT F	VCAVATE DIT	TO E' DID	DEADINGS A	LITTLE UICU		
				XCAVATE PIT	105,810	VENDING9 Y	LITTLE MIGH		
		NING AND OF		NO OTABLES	00.000	DID DE 45'44	20.000		
				NO STAINING		PIL READIN	58 GOOD.		
	TOOK SOIL	SAMPLES AN	ID SENT TO	ASSAIGAI LAB	S.				
								· · · · · · · · · · · · · · · · · · ·	
				SOIL SAME	UING				
DATE:	6/10/97	Dit 1 @ 7'	Pit 2 @	SOIL SAMP		SIS RESULTS		PERLAB	ASSAIGAI
DATE:	6/10/97	Pit 1 @ 7'	Pit 2 @	SOIL SAMP	ANALYS	SIS RESULTS	PETEY	PER LAB	ASSAIGAI
	Center	5	Pit 2 @		ANALYS PIT	TPH	BETEX	PER LAB WITNESS	ASSAIGAI DATE
Р	Center NW Corner	5 82	Pit 2 @		ANALYS PIT NO	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
P 1	Center NW Corner NE Corner	5 82 16	Pit 2 @		ANALYS PIT NO 1	TPH			
Р	Center NW Corner NE Corner SW Corner	5 82 16 13	Pit 2 @		ANALYS PIT NO 1 2	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
P 1	Center NW Corner NE Corner	5 82 16	Pit 2 @	Pit 3 @	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	5 82 16 13 70		Pit 3 @ RE-SAMPLE	PIT NO 1 2 3 COR CELL	TPH SIDE\BTM ND\ND (S) SAMPLE	SIDE\BTM	JEFF C.	DATE
P I D	Center NW Corner NE Corner SW Corner SE Corner	5 82 16 13	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3 OR CELI ANALYS	TPH SIDE\BTM ND\ND (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	6/16/97
P I D	Center NW Corner NE Corner SW Corner SE Corner	5 82 16 13 70		Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELL ANALYS	TPH SIDE\BTM ND\ND (S) SAMPLE	SIDE\BTM	JEFF C.	DATE
P I D	Center NW Corner NE Corner SW Corner SE Corner Center NW Corner	5 82 16 13 70		Pit 3 @ RE-SAMPLE	PIT NO 1 2 3 E OR CELL ANALYS PIT NO	TPH SIDE\BTM ND\ND (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	6/16/97
P I D	Center NW Corner NE Corner SW Corner SE Corner	5 82 16 13 70		Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1	TPH SIDE\BTM ND\ND (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	6/16/97
P I D DATE:	Center NW Corner NE Corner SW Corner SE Corner Center NW Corner	5 82 16 13 70		Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELI ANALYS PIT NO 1 2	TPH SIDE\BTM ND\ND (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	6/16/97
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner	5 82 16 13 70		Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1	TPH SIDE\BTM ND\ND (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	6/16/97
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner	5 82 16 13 70		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 (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	6/16/97
P I D DATE: P I D	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner	5 82 16 13 70 Pit 1 @		Pit 3 @ RE-SAMPLE Pit 3 @	ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 COR CELL	TPH SIDE\BTM ND\ND (S) SAMPLE SIS RESULTS TPH	SIDE\BTM ND\ND	JEFF C. PER LAB	6/16/97
P I D DATE: P I D	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SW Corner	5 82 16 13 70	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELI ANALYS PIT NO 1 2 3 OR CELI ANALYS	TPH SIDE/BTM ND/ND (S) SAMPLE SIS RESULTS TPH (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND BETEX	PER LAB PER LAB PER LAB	6/16/97
DATE: P. I. D.	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SE Corner	5 82 16 13 70 Pit 1 @	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 PIT PIT NO PIT	TPH SIDE\BTM ND\ND (S) SAMPLE SIS RESULTS TPH (S) SAMPLE	SIDE\BTM ND\ND	JEFF C. PER LAB WITNESS	DATE 6/16/97 DATE
P I D DATE: P I D	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SE Corner Corner Corner Corner Corner Corner Corner Corner Corner Corner	5 82 16 13 70 Pit 1 @	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 COR CELI ANALYS PIT NO 1 2 3 COR CELI ANALYS PIT NO PIT NO PIT NO	TPH SIDE/BTM ND/ND (S) SAMPLE SIS RESULTS TPH (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND BETEX	PER LAB PER LAB PER LAB	DATE 6/16/97 DATE
P I DATE: DATE: DATE: DATE:	Center NW Corner SW Corner SE Corner Center NW Corner SW Corner SE Corner Corner SW Corner SE Corner Center NW Corner SE Corner	5 82 16 13 70 Pit 1 @	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 OR CELI ANALYS PIT NO 1 2 3 OR CELI ANALYS PIT NO 1 1 1 1 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	PER LAB PER LAB PER LAB	DATE 6/16/97 DATE
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SE Corner Corner Corner Corner Corner Corner Corner Corner Corner Corner	5 82 16 13 70 Pit 1 @	Pit 2 @	Pit 3 @ RE-SAMPLE Pit 3 @ RE-SAMPLE	ANALYS PIT NO 1 2 3 COR CELI ANALYS PIT NO 1 2 3 COR CELI ANALYS PIT NO PIT NO PIT NO	TPH SIDE/BTM ND/ND (S) SAMPLE SIS RESULTS TPH (S) SAMPLE SIS RESULTS	SIDE\BTM ND\ND BETEX	PER LAB PER LAB PER LAB	DATE 6/16/97 DATE



					= SAMPLE AREA
WELL NAI	ИЕ	JAT	125 # 13	 	
SAMPLE D	DATE _	6	6/10/97	 	
NOTES	SIDEWA	COMPOSITE ALL GRAB SAMP			CENTER
	- 24				



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 14:48

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

JUN 2 3 1997

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER #

: 9706141

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED: 06/13/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706141-01A

Collected: 06/10/97 11:00:00

Sample ID: JAT A 125 #13 PIT #1 SIDES 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	06/16/97	SBTXME170
	ND	mg/Kg	0.0010	500	06/16/97	SBTXME170
	ND	mg/Kg	0.0010	500	06/16/97	SBTXME170
	ND	mg/Kg	0.0020	500	06/16/97	SBTXME170
	ND	mg/Kg	0.0010	500	06/16/97	SBTXME170

Lab ID: 9706141-01B

Collected: 06/10/97 11:00:00

Sample ID: JAT A 125 #13 PIT #1 SIDES

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	06/16/97	SDRO33

Lab ID: 9706141-02A

Collected: 06/10/97 11:00:00

Matrix: SOIL Sample ID: JAT A125 #13 PIT #1 BOTTOM

•						
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene	ND	mg/Kg	0.0010	500	06/16/97	SBTXME170
Toluene Ethylbenzene	ND ND	mg/Kg mg/Kg	0.0010 0.0010	500 500	06/16/97 06/16/97	SBTXME170 SBTXME170
P-&m-Xylene O-Xylene	ND ND	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0020 0.0010	500 500	06/16/97 06/16/97	SBTXME170 SBTXME170



Page: 2

Collected: 06/10/97 11:00:00 **Matrix:** SOIL

L. .D: 9706141-02B Sample ID: JAT A125 #13 PIT #1 BOTTOM

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	06/16/97	SDRO33
	1						

JUN 2 3 1844

William P. Biava

President

WORKORDER COMMENTS

JUN 2 3 1977

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{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



Chain of Custody Record

ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964

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

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

MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Project Manager / Contact __] OFF __Cross_

Client Apache Corporation

Address 304 N.	4 N. Behrend		774-6643	Analysis Required	
City / State / Z	City/State/ZipEarmington, NM 87401	1 Fax No. (505) 774-6624		/ / / STATE	
Project Name	Project Name / Number JICARILLA PIT CLOSURES	LOSURES Samplers: (Signature)	S. O. U. S.	Por	
Contract / Pur	Contract / Purchase Order / Quote		No. o/ Co		2 2 MIN 2 3
FRACTION NUMBER		Date Type Size of Container Type	Preservation Temp. Chemical		
	JAT A 125 43 DIFTE 6-10	6-10-97 11:00 501/ 402 6/ass	16 ICE / ~		
	•)		
	JATA 125 #3 P. 14 1. 1875.		2		
		,	7		
					-
			14342		
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100				/	
7					
* 7.4					
Pelinquished by:	Date 1	Received by: A Relinqui	Relinquished by:	Date Received by:	
Signature 1	(1/10/2)	1000	·hura	Signature	-
Company Company	packa Coff	Company MACY Company	dany.	Time Printed Company	
Reason	2	Reason Reason	K	Reason	
Wethod of Shipment: _	11	Comments: RUSH CANALYZE	analyze immediately	After analysis, samples are to be: Disposed of (additional fee)	al fee)
Shipment No.		- 1		_ Stored (30 days max)	
Special Instructions:	:	参り、かか		Stored over 30 days (additional fee)	additional fee)
				Returned to customer	

1

,3 NORTH 70'x55'x12" D; + ceil 60'x70'x12" 17 mo +1:0 PUNP JACK TELEMETRY EQUIPMENT WELL HEAD 2" BLOW LINE, 128 3' FLOW LINE BURIED APPROXIMATELY THREE FEFT DEP 100 BBL BLOW TANK DIRECTION OF DRAINAGE (J)

(

M W PETROLEUM

JICARILLA APACHE TRIBAL 125 WELL 13

SE/4 NW/4 (F), FED, LEASE # 89908125

SECTION 25, TOWNSHIP 25N, RANGE 4W

RIO ARRIBA COUNTY NM

1

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			_Telephon	ıe	505-325-0)318		
Address:		2855 SOU	THSIDE RI	VER ROAL	ER ROAD / SUITE A / FARMINGTON, N. M. 87401-7947					
Facility or We	ell Name:		JAT 125#	! 13 CELL #	1					
Location:	Unit or Qtr	r/Qtr Sec	SE\NW	Sec 25	T 25N	R 4W	_County	RIO ARRI	IBA	
Land Type		JIC. TRIBA	L							
Date Remedi	iation Starte	ed: <u>()</u>	9-97		_Date Con	npleted:		5/21/98		
Remediation	Method:	Landfarmed		XXX	- Approx. c	cubic yards	/5	6		
		Composted	Ė		-				:	
		Other		Ren	- ed.ated	Soil To G	Be Spread	low Loca:	4.8~	
Depth to Grou	undwater:		(pts))0		Final Clos	sure Sampl	ling		
Distance to a	ın Ephemer	al Stream:	(pts)	0	Sampling) Date:	5/21/98	_Time:	10:10AM	
Distance to N or Watering F		e, Playa,	(pts)	0	Sample R		- 15			
Wellhead Pro	otection Are	: a :	(pts))0	Field Heads	space (ppm) (ppm)	<u>ND</u>) 1300	– Method	M8015	
Distance To S	Surface Wa	iter:	(pts)	0		er BTEX \S	•	_		
RANKING SO	CORE (TOT	TAL POINTS	;)	0	-	I DIEX .C	VV0-10 , 00-	<u> </u>		
I HEREBY CE KNOWLEDG			ORMATIO	N ABOVE I	S TRUE A	ND COMPLI	ETE TO TH	E BEST OF	- MY	
DATE:		6/8/98		PRINTED	NAME		JEFF CR	oss		
SIGNATURE	: Jef	1/ lwn		_TITLE		PROJECT	r manage	.R		
AFTER REVI ACCORDAN	ICE TO THE	E JICARILLA	APACHE	TRIBE PIT	CLOSURE	ORDINANO	CE.		.1	
APPROVED:	: YES	s_X	. NC	·	_(REASON	NOT !	for no	e as Bi	ackfull	
SIGNED:	Xew.	<u>CM</u> c	1	DATE:					-	

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 PETROLEUM				Telepho	ne	505-325-0318		
Address:	2855 SOUTHSI	IDE RIV	VER ROAI	D / SUITE	A / FARMING	GTON, N. N	√ 1. 87401-79	147
Facility or Well Name:	JAT	125#	13 CELL #	‡ 2	,			
Location: Unit or Qtr	/Qtr Sec SF	Ξ\NW	Sec 25	T 25N	R 4W	County	RIO ARRI	.IBA
Land Type	JIC. TRIBAL				•			
Date Remediation Starte	ed: 6-9-9	7		_ Date Con	mpleted:		5/21/98	
Remediation Method:	Landfarmed	<u>-</u>	XXX	_ _Approx. (cubic yards	14		
	Composted			<u>-</u>				
	Other		Le.	nediate	ed soil To	o Be put	Backis	pit
Depth to Groundwater:		(pts)_	0		Final Clo	sure Sampl	ling	
Distance to an Ephemera	al Stream:	(pts)_	0	Sampling		5/21/98		10:20AM
Distance to Nearest Lake or Watering Pond:	։, Playa,	(pts)	0	Sample R		_		_
Wellhead Protection Area	а:	(pts)_	00	_	space (ppm)	ND ND	-	
Distance To Surface Wat	ter:	(pts)_	0	TPH	(L. L)) <u>ND</u>	_Method	M8015
RANKING SCORE (TOTA	AL POINTS)	-	0	Otne	er <u>BTEX \S\</u>	W846 , 802	20A (ND)
I HEREBY CERTIFY THA KNOWLEDGE AND BELI	AT THE INFORM	IATION	ABOVE IS	L S TRUE AI	ND COMPLE	ETE TO TH	E BEST OF	MY
DATE:	6/8/98	r	PRINTED I	NAME		JEFF CRO	<u>oss</u>	
SIGNATURE Jef	Hun	 ¬	TITLE		PROJECT	T MANAGE	R	
AFTER REVIEW OF THE ACCORDANCE TO THE	SOIL REMEDIA JICARILLA APA	ATION I CHE T	INFORMA RIBE PIT	TION. ON CLOSURE	I-SITE REME ORDINANC	EDIATION I CE.	S APPROV	ED IN
APPROVED: YES_	<u> </u>	NO_		_(REASON	W USE C	as Bo	sek fe	<u>[</u>]
SIGNED:	- Mam	<u></u>	DATE:	6-2	3-98			-

M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SIT	Έ		JAT 125 # 13			•	
* AMOUNT OF SOI	L UNDE	RGOING	REMEDIATION		300	Yds.	
CELL No.	1				SampDATE 5/21/98	1300	BTEX ND
DIMENSIONS(LxWxH)		60' X 70	' X 12"				
CELL LOCATION (dir.	from well	head	NORTHWEST				
* DATE BEGAN:	6/9/97	,	_				
DATE TERMINATED (ΓPH <5,0	00 ppm/BT	EX< 50 ppm/Benzene <	< 10 ppm)	5/21/98		
					SampDATE	TPH	BTEX
CELL No.	2	_			5/21/98	ND	ND
DIMENSIONS(LxWxH)		70' X 55	' X 12 "				
CELL LOCATION (dir.	from well	head	NORTH				
* DATE BEGAN:	6/9/97		_				
DATE TERMINATED (TPH <5,0	00 ppm/BT	EX< 50 ppm/Benzene <	< 10 ppm)	5/21/98		
				_	SampDATE	TPH	BTEX
CELL No.	3				CampbATE	1511	BILX
OLLE 140.		-					
DIMENSIONS(LxWxH)							
CELL LOCATION (dir.	from well	head					
* DATE BEGAN:			_				
DATE TERMINATED (TPH <5,0	00 ppm/BT	EX< 50 ppm/Benzene •	< 10 ppm)			
REMEDIATION RECO	RD: (Date	Treatmen	nt Tilling)				
6/11/97 TREAT CELLS				AND TILL	SOIL		
6/25/97 PLOW AND TI							
7/15/97 TILL SOIL.	· · · · · · · · · · · · · · · · · · ·		•	t.,,			
8/7/97 WATER,PLOW	AND TILL	_SOIL.		1			
9/9/97 TILL SOIL.							
10/20/97 TREAT SOIL					LW AND TILL SO	DIL.	
5/6/98 PLOW SOIL. 5/7		SOIL. 5/22	1/98 PLOW AND TILL S	CIL.			
5/20/98 PLOW AND TI	LL SOIL.						

^{*} FROM EXCAVATION REPORTS.

NOTES: ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 900 ist composite sample O 0 0 0

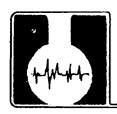
= SAMPLE AREA

NOTES:	0	
ALL SAMPLES TAKEN 10" TO 12" INTO CELL.		
	,	
	0	0

SAT 125#13 cc11#2 5-21-98.

WELL NAME:
SAMPLE DATE:
DIMENSIONS:

= SAMPLE AREA

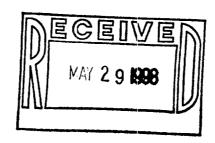


ASSAIGAI ANALYTICAL LABORATORIES, INC.

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 B analyte detected in Method Blank E result is estimated H analyzed out of hold time				
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

Sample

SOIL

Client: APACHE CORPORATION
Project: 9805212 JICARILLA

JAT 125 #13 CELL #1

Client

William P. Biava: Fresident of Assaigai Malytical Laboratones, Inc.

Sample ID	JA1 123) #13 \ 		Ma	atrix SUIL				Collected	10:10:00
Fraction	QC Group	CAS#		Result	Units	Dilution Factor	Detection Limit	*	Sequence	Run Date
raction	<u>uto Cioup</u>	<u> </u>		itesuit	<u>oma</u>	<u>r actor</u>	шине		ocquence	Date
			SW846-8010/8020 Volatiles							
9805212-01A	X98288	71-43-2	Benzene	ND ND	mg / Kg	50	0.005		XG.1998.483-12	05/22/98
	X98288	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005		XG.1998.483-12	
	X98288	95-47-6	o-Xylene	ND	mg / Kg	50	0.005		XG.1998.483-12	
	X98288		P/M-Xylenes	ND	mg / Kg	50	0.01		XG.1998.483-12	
	X98288	108-88-3	Toluene	ND	mg / Kg	50	0.005		XG.1998.483-12	
			SW846-8015 Modified TPH							
9805212-01B	X98289		Diesel Range Organics	1300	mg / Kg	25	25		XG.1998.488-35	05/23/98
Client Sample ID	JA I 12	713	CELL #2	Sa Ma	-		Sample Collected	05/21/98 10:20:00		
						Dilution	Detection			Run
Fraction	QC Group	CAS#		Result	<u>Units</u>	<u>Factor</u>	<u>Limit</u>	*	Sequence	<u>Date</u>
			SW846-8010/8020 Volatiles							
9 805212-02A	X98288	71-43-2	Benzene	ND	mg / Kg	50	0.005		XG.1998.483-13	05/22/98
	X98288	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005		XG.1998.483-13	
	X98288	95-47-6	o-Xylene	ND	mg / Kg	50	0.005		XG.1998.483-13	
	X98288	:	P/M-Xylenes	ND	mg / Kg	50	0.01		XG.1998.483-13	
	X98288	108-88-3	Toluene	ND	mg/Kg	50	0.005		XG.1998.483-13	
			SW846-8015 Modified TPH							
980 5212-02B	X98289	:	Diesel Range Organics	ND	mg / Kg	25	25		XG.1998.488-36	05/23/98

5/27/98 2:52:04 PM

Report Date



05/21/98

Sample

Page 1 of 2

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Client Apache Corporation

Chain of Custody Record

Project Manager/Contact Jeff Cross

Page

7300 JETTERSON, P.E. ALBUQUERQUE, IJEW MEXICO 87109 (505) 345-8964

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

Remarks Disposed of (additional After analysis, samples are to be: 22 MAY 2 Signature_ Analysis Required Received by: Reason Tim. 15:30 × Type / Size of Container (Yemp Chemical Lie Samplers: (Signature) / Ste. ATelephone No. (505) 774-6643 Relinquished by: Signature Company Reason City/State/Zip Rarmington, NM 87401-7947 Fax No. (505) 774-6624 4 oz glass Sample Type SAT 125 # \$3 ce/1#1 5-21-98 10:10 Soil 02:01 E E Signature_ Company Date Address 2855 Southside River RD. 5-22.98 201/ Sample Number / Location JAT 125 #13 Cell#2 Date SEFFCMOSS Contract / Purchase Order / Quote Apmohe Coip Project Name / Number Method of Shipment: 20 Relinquished by 0 24 Company __ Reason _

LABORATORY

Special instructions:

Shipment No.

ree)

Stored over 30 days (ad.

Stored (30 days max)

Returned to customer