State of New Mexico

1000 Rio Brazos Rd Energy, Minerals and Natural Resources Department

Azte DER 187416 12 2005 INSPECTOR

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

DEC 1 2 1998

## **OIL CONSERVATION DIVISION**

2040 S. PACHECO Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

<u> </u>	7//	···			<del>-</del>	BUST, R	<u> </u>	
Operator:	Apache Corporation			_Telephone	<b>)</b> :	505-325-0	318	
Address:	2855 Southside River Road, S	Suite A, Farm	nington, NA	M 87401				<del> </del>
Facility or	Well Name:	Apache #	125 #6					
Location:	Unit or Qtr/Qtr Sec	J	Sec 26	T 25 N	R 4W	_County	Rio Arriba	
Pit Type:	Separator:	Dehydrator	r	_Other	Blow Pit			
Land Type	Jicarilla Tribal							
	Beginning Pit Dimensions:	Length	30'	Width	15'	 Depth	4'	
Pit Location: (Attach dia	Ending Pit Dimensions:	Length	32'	_ Width	32'	_ Depth	15'	
(Fittaori ala	Reference:	Wellhead	XXX	_Other				
	Footage from reference:		80'		_			
	Direction from reference:		30	Degrees	X	East	North _	XX
						of _West	South _	
Depth To (	Groundwater:			Less than 5	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)	
	200 feet from a private vater source, or; less than					No	( 0 points)	0
	rom all other water sources)							
Distance T	o Surface Water:			Less than 2	200 feet		(20 points)	
	distance to perennial			200 feet to	1000 feet		(10 points)	
	ds, rivers, streams, creeks, anals and ditches)			Greater tha	an 1000 feet	t	( 0 points)	0
. <b>J</b>	and discretely			RANKING :	SCORE (TO	OTAL POIN	TS) _	0

Date Remediation Sta	arted:	7/11/97	·	Date Com	pleted:		5/21/98
Remediation Method (Check all appropriate	:	Excavation	xxx	Approx. cu	ubic yards		450
sections)	Landfarmed	İ	XX	Insitu Bior	emediation		
		Other		·			
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)		Onsite	XX	Offsite			
General Description o	of Remedial Action:		Excavate p	oit to 15', t	ook PID rea	dings.	
Spread soi	l on location for rem	ediation.	Took soil sa	mples.	Remediate	d soil	
to be put b	ack in pit.						
Groundwater Encoun	tered:	No	XX	Yes		Depti	٦
Final Pit: Closure Sampling: (in multiple samples,	Sample location		4 point comp	osite taken f	rom pit sidew	alls and pit I	pottom center
attach sample results and diagram of sample	Sample depth	15'	8 to 10" int	o pit sidev	walls 10" in	to pit bott	om
locations and depths)	Sample Date Sample results		7/24/97		Sample Tin	ne	9:00 A.M.
	Benzene		(ppm)	ND	-		
	Total BTEX		(ppm)	ND			
	Field Headspace		(ppm)	5.3	-		
	TPH		-	ND	-		
Groundwater Sample:		Yes		No			ach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND BI		ION ABOV	E IS TRUE	AND COM	PLETE TO	THE BES	OF MY
DATE	June 24, 1998	<del></del> -	PRINTED N	IAME	Jeff Cross	·	
SIGNATURE	Jeff los		AND TITLE		Project Ma	nager	

# 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

Address: 304 N. BEHREND, FARMINGTON, N.M. 84701  Facility or Well Name: JAT 125 # 6  Location: Unit or Otr/Qtr Sec	Operator:	MW	/ PETROLEUM			_Telephone	505-32	25-0318		
Location: Unit or Qtr/Qtr Sec	Address:	304	N. BEHREND,	FARMINGT	ON, N.M.	84701			······	
Pit Type: Separator:	Facility or We	ell Na	ıme:	JAT 125#	6					
Land Type: JIC. TRIBAL  Pit Location: Pit Dimensions: Length 32' Width 32' Depth 15'  Reference: Wellhead XXX Other  Footage from reference: 80'  Direction from reference: 30 Degrees X East North XX of West South  Depth To Groundwater: Less than 50 feet (20 points) Contaminants to seasonal injudy water elevation of groundwater)  Distance to an Ephemeral Stream: Less than 100 feet (10 points) Tense to Nearest Lake, Playa, or Watering Pond: Less than 100 feet (0 points) Tense to Nearest Lake, Playa, or Watering Pond: Less than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Greater than 100 feet (10 points) Tense to Nearest Lake, Playas and Tense to Nearest Lake, Playas an	Location:	Unit	or Qtr/Qtr Sec	J	SEC 26	T 25N	R 4W	County	RIO ARRIB	Α
Pit Location: Pit Dimensions: Length 32' Width 32' Depth 15'  Reference: Wellhead XXX Other  Footage from reference: 80'  Direction from reference: 30 Degrees X East North XX  Of West South  Depth To Groundwater: (20 points) (vertical distance from 50 feet to 99 feet (10 points) (1	Pit Type:	Sepa	arator:	_Dehydrato	<u>r</u>	_Other	BLOW PI	Γ		
Reference: Wellhead XXX Other  Footage from reference: 80'  Direction from reference: 30 Degrees X East North XX  Of West South  Depth To Groundwater: Less than 50 feet (20 points) (10 points) Contaminants to seasonal Greater than 100 feet (10 points) Orgroundwater)  Distance to an Ephemeral Stream: Less than 100 feet (10 points) Orgroundwater)  Distance to Nearest Lake, Playa, or Watering Pond: Less than 100 feet (10 points) Orgroundwater (10 points) Orgr	Land Type:		JIC. TRIB	AL						
Direction from reference: 30 Degrees X East North Vest of West South    Depth To Groundwater:   Less than 50 feet   (20 points)   (vertical distance from 50 feet to 99 feet   (10 points)   (10 point		am)		ŭ		_	32'	Depth	15'	
Depth To Groundwater:  (vertical distance from 50 feet to 99 feet (10 points) contaminants to seasonal Greater than 100 feet (0 points) high water elevation of groundwater)  Distance to an Ephemeral Stream:  (Downgradient dry wash greater than Greater than 100 feet (0 points) ten feet in width  Distance to Nearest Lake, Playa, or Watering Pond: (Downgradient lakes, playas and Greater than 100 feet (0 points)  (Downgradient lakes, playas and Greater than 100 feet (0 points)  Wellhead Protection Area: (Less than 100 feet (10 points)  Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or less than 100 feet (10 points)  Distance To Surface Water: (Horizontal distance to perennial 100 feet to 1000 feet (10 points) lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points)  Greater than 100 feet (10 points)  Greater than 100 feet (20 points)  Greater than 100 feet (10 points)  Greater than 100 feet (10 points)			Footage from re	ference:	80'		-			
Depth To Groundwater:  (vertical distance from 50 feet to 99 feet (10 points) contaminants to seasonal Greater than 100 feet (0 points) 0  Distance to an Ephemeral Stream:  (Downgradient dry wash greater than Greater than 100 feet (10 points) 0  Distance to Nearest Lake, Playa, or Watering Pond:  (Downgradient lakes, playas and fivestock or wildlife watering ponds)  Wellhead Protection Area:  (Less than 100 feet (10 points) 0  Greater than 100 feet (10 points) 0  Wellhead Protection Area:  (Less than 100 feet (20 points) 0  Wellhead Protection Area:  (Less than 200 feet from a private No (0 points) 0  Distance To Surface Water:  (Horizontal distance to perennial 100 feet to 1000 feet (10 points) 100 feet (10 point			Direction from re	eference:	30	_Degrees	X	_	_	xx
vertical distance from   50 feet to 99 feet   (10 points)   contaminants to seasonal   Greater than 100 feet   (0 points)   0										
vertical distance from   50 feet to 99 feet   (10 points)   contaminants to seasonal   Greater than 100 feet   (0 points)   0	Denth To Gr	ound	lwater:	<del></del>	<del>-</del>	Less than	50 feet		(20 points)	
contaminants to seasonal Greater than 100 feet (0 points) high water elevation of groundwater)  Distance to an Ephemeral Stream: Less than 100 feet (10 points) (Downgradient dry wash greater than Greater than 100 feet (0 points) (Downgradient lakes, Playa, or Watering Pond: Less than 100 feet (10 points) (Downgradient lakes, playas and livestock or wildlife watering ponds)  Wellhead Protection Area: Yes (20 points) (Less than 200 feet from a private No (0 points) (Downgradient lakes streams or less than 1000 feet from all other water sources)  Distance To Surface Water: Less than 100 feet (20 points) (Horizontal distance to perennial 100 feet to 1000 feet (10 points) (1	· •		4W4C).						· · · · · · · · · · · · · · · · · · ·	
high water elevation of groundwater)  Distance to an Ephemeral Stream: (Downgradient dry wash greater than Greater than 100 feet (0 points) 0 ten feet in width  Distance to Nearest Lake, Playa, or Watering Pond: (Downgradient lakes, playas and Greater than 100 feet (0 points) 0 livestock or wildlife watering ponds)  Wellhead Protection Area: (Less than 100 feet No (0 points) 0 livestock or wildlife water source, or less than 100 feet (1 points) 1 livestock or wildlife water sources)  Distance To Surface Water: (Horizontal distance to perennial 100 feet to 1000 feet (10 points) 1 lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0 lives irrigation canals and ditches)	•		al				· · · · -	0		
(Downgradient dry wash greater than ten feet in width  Distance to Nearest Lake, Playa, or Watering Pond: Less than 100 feet (10 points) (Downgradient lakes, playas and Investock or wildlife watering ponds)  Wellhead Protection Area: Yes (20 points) (Less than 200 feet from a private No (0 points)  domestic water source, or less than 1000 feet from all other water sources)  Distance To Surface Water: Less than 100 feet (10 points) (Horizontal distance to perennial 100 feet to 1000 feet (10 points)  lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	high water elevation		ai			Greater th	an 100 100t		( o points) _	
(Downgradient dry wash greater than ten feet in width  Distance to Nearest Lake, Playa, or Watering Pond: Less than 100 feet (10 points) (Downgradient lakes, playas and Investock or wildlife watering ponds)  Wellhead Protection Area: Yes (20 points) (Less than 200 feet from a private No (0 points)  domestic water source, or less than 1000 feet from all other water sources)  Distance To Surface Water: Less than 100 feet (10 points) (Horizontal distance to perennial 100 feet to 1000 feet (10 points)  lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Distance to a	an Fr	ohemeral Stream	n:		Less than	100 feet		(10 points)	
ten feet in width  Distance to Nearest Lake, Playa, or Watering Pond: Less than 100 feet (10 points) (Downgradient lakes, playas and livestock or wildlife watering ponds)  Wellhead Protection Area: Yes (20 points) (Less than 200 feet from a private No (0 points) 0 (0 points) (0 points) (10 poi										
(Downgradient lakes, playas and livestock or wildlife watering ponds)  Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)  Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)  Greater than 100 feet (0 points) (0 points) (1 points) (0 points) (1 points) (0 points) (1 points)	` •	•	wash grouter wie	•••			un 100 1001		( o po	
(Downgradient lakes, playas and livestock or wildlife watering ponds)  Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)  Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)  Greater than 100 feet (0 points) (0 points) (1 points) (0 points) (1 points) (0 points) (1 points)	Distance to I	Neare	est Lake. Plava.	or Watering	Pond:	Less than	100 feet		(10 points)	
Wellhead Protection Area:  (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)  Distance To Surface Water:  (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)  Yes (20 points)  O (0 points)  Less than 100 feet (20 points)  100 feet to 1000 feet (10 points)  Greater than 1000 feet (0 points)										0
(Less than 200 feet from a private No (0 points) 0 domestic water source, or less than 1000 feet from all other water sources)  Distance To Surface Water: Less than 100 feet (20 points) (Horizontal distance to perennial 100 feet to 1000 feet (10 points) lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) irrigation canals and ditches)	livestock or w	/ildlife	e watering ponds)							
(Less than 200 feet from a private No (0 points) 0 domestic water source, or less than 1000 feet from all other water sources)  Distance To Surface Water: Less than 100 feet (20 points) (Horizontal distance to perennial 100 feet to 1000 feet (10 points) lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) irrigation canals and ditches)	Wellhead Pro	otect	ion Area:				Yes	<b>,</b>	(20 points)	
domestic water source, or less than 1000 feet from all other water sources)  Distance To Surface Water:  (Horizontal distance to perennial  lakes, ponds, rivers, streams, creeks,  irrigation canals and ditches)  Less than 100 feet  (20 points)  (10 points)  O  O										
Distance To Surface Water:  (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)  Less than 100 feet 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)  0			•						` · · · -	
(Horizontal distance to perennial 100 feet to 1000 feet (10 points) Iakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	1000 feet from	m all	other water source	es)						
(Horizontal distance to perennial 100 feet to 1000 feet (10 points) Iakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Distance To	Surf	ace Water:			Less than	100 feet		(20 points)	
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet ( 0 points) 0										·
irrigation canals and ditches)							· · · · · -	0		
	irrigation cana	als ar	nd ditches)			RANKING	SCORE (T	OTAL POIN	· · · · -	0

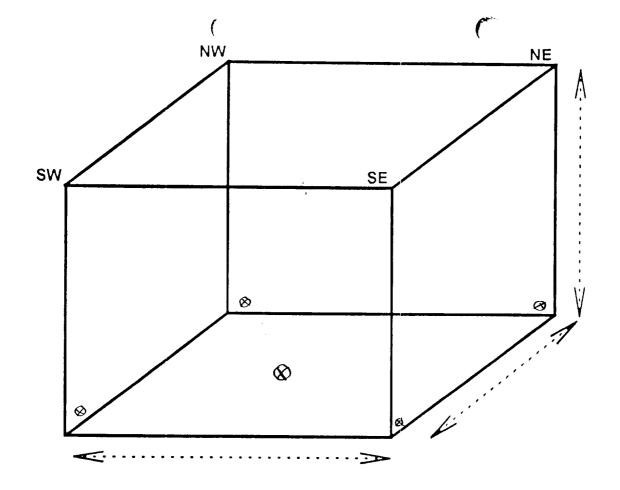
Date Remediation St	arted: 7/1	1/97	Date Comp	oleted:	5-21-98					
Remediation Method		·	_ `							
(Check all appropriate	: Excavation	on XXX	Approx. cu	bic yards	450					
sections)	Landfarm	ned XX	_Insitu Biore	emediation						
	Other									
Remediation Locatio (i.e. landfarmed onsite name and location of offsite facility)		site XX	_Offsite							
• ,	of Donoralini Andi									
General Description of				PID readings.	spread soil on					
<u>location</u>	for remidiation. To	ok soil sampl	les. Rema	diated soil	Cellis 2 To Be	out Back				
Groundwater Encoun	Groundwater Encountered: No xxx Yes Depth									
Final Pit:	Sample location	4 POINT	COMPOSITE	SAMPLE TAK	(EN 8 TO 10" INT	O PIT				
Closure Sampling: (in multiple samples,	SIDEW	ALLS,GRAB	SAMPLE TAR	KEN 10" INTO	PIT BOTTOM CE	ENTER.				
attach sample results and diagram of sample										
locations and depths) Sample [ Sample r	Date	7/24/97		Sample Time	9:00AM					
Soil:	Benzene	(222)	No							
Oon.		(ppm)			zene (ppb)	NA				
	Total BTEX	(ppm)	ND_	Tolu	iene (ppb)	NA				
	Fie d Headspace	(ppm)	5.3	Ethylber	nzene (ppb)	NA				
	TPH	(ppm)	ND\SIDES	Total Xy	lenes (ppb)	NA				
Groundwater Sample:	Y	'es		XXX (If y	es attach sample	results)				
HEREBY CERTIFY TO KNOWLEDGE AND BE	HAT THE INFORMA	TION ABOVE	IS TRUE AN	ID COMPLETE	TO THE BEST	OF MY				
		PRINTED	NAME _	JEF	F CROSS					
DATE	eff lwn	AND TITL	E _	PRO	JECT MANAGE	R				
AFTER REVIEW OF THE JICARILLA APAC	HE PIT CLOSURE IN HE TRIBE PIT CLOS	FORMATION SURE ORDINA	, PIT CLOSU ANCE.	JRE IS APPRO	VED IN ACCOR	DANCE TO				
APPROVED: YES	5 X N	10	(REASON)_							
. 1	<b>~ &gt;</b> .	00								
SIGNED:	LC Man	<u>W</u>	DATE: _	6-23-	-98					

•

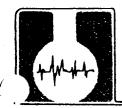
# M W PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

		Jicarilla Apache Tribal EPO/OCD/BLM
LOCATION	JAT 125 # 6	Review and Approval
	· · · · · · · · · · · · · · · · · · ·	OCDBLM
PIT COUNT	1	EPO Representative
	<del></del>	Date of Review

						Bate of Revie	···		
					Excavat	ion		7	
DIMEN	ISIONS	START:	7/11/97		FINISH:	ion 7/24/97		1	<del></del>
	W	L	7711737 D		TIMON.	7724797 W	l L	T D	CU YDS
Pit 1	15'	30'	4'	Pit 1		32'	32'	15'	450
Pit 2		<del>                                     </del>	<del> </del>	Pit 2	·	- 52	32	13	430
Pit 3		<del> </del> -	+	Pit 3					<del>                                     </del>
1	- <del></del>	Pit 1 @ 10'	Pit 2 @	Pit 3 @	r	<u> </u>	Dit 4 @ 451	D# 0. @	D# 0.00
	Contor		F   1 2 (U)	FILS @		10 1	Pit 1 @ 15'	Pit 2 @	Pit 3 @
_	Center	356	<del> </del>	<del> </del>	-	Center	66	ļ	<del> </del>
P	NW Corner	420		<del></del>	P .	NW Corner	2		
	NE Corner	300	<del> </del>		] 3	NE Corner	18	ļ	
D	SW Corner	250			ַם	SW Corner	11		
	SE Corner	550				SE Corner	21	<u> </u>	
NOTES		<del></del> -							
				HEAVY STAINI					
				PIT , LIGHT ST.			S HIGH.		
L	7/15/97 EXC	AVATE SIDE V	VALLS ,REAC	HED FULL EX	TENT OF	BACKHOE.			
	7/24/97 BRO	UGHT IN TRA	СКНОЕ ТО С	OMPLETE EX	CAVATIO	N OF PIT.			
	EXCAVATED	TO 15', TOO	K PID READII	NGS - GOOD.					
				IT TO ASSAIG	AI LABS.	<del></del>			
					· · · · · · · · · · · · · · · · · · ·			<del></del>	
			<del></del>					<del></del>	
<u> </u>		<del></del>					<del></del>		
<del></del>			<del></del>						
<u> </u>		·							
							•		
<u> </u>				SOIL SAMPL	ING				
DATE:	7/24/97	Pit 1 @ 15'	Pit 2 @	Pit 3 @	ANALYS	IS RESULTS		PER LAB	ASSAIGAI
	Center	8.3			PIT	TPH	BETEX	WITNESS	DATE
Р	NW Corner	11.4			NO				
1	NE Corner	2.6			1	ND	ND	JEFF C.	7/28/97
D	SW Corner	1		1	2				
	SE Corner	3.2			3				
			<u> </u>	RE-SAMPLE		(S) SAMPLE			<u> </u>
DATE:	<del></del>	Pit 1 @	Pit 2 @	Pit 3 @		IS RESULTS	<del></del>	DEDIAD	··
	Center		11.2.0	1 113 00			55	PER LAB	
P			<del> </del>	<del> </del>	PIT	TPH	BETEX	WITNESS	DATE
	NW Corner			-	NO				
1	NE Corner				1				
D	SW Corner				2				
	SE Corner				3				
				RE-SAMPLE	OR CELL	(S) SAMPLE			
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANALYS	S RESULTS		PER LAB	
	Center				PIT	TPH	BETEX	WITNESS	DATE
Р	NW Corner				NO		22727	***************************************	DATE
	NE Corner				1				
D	SW Corner								
	SE Corner			<del> </del>	2				
	or comer	L		l .	3				



			SAMPLE AREA							
WELL NA	ME .	JAT 125 #6 Pit								
SAMPLE	DATE .	7-24-97	<del>_</del>							
NOTES	4 POINT	Γ COMPOSITE SAMPLE TAKEN 8" TO 10"	LINTO DIT							
NOTES			INTOPII							
	SIDEW	SIDEWALL								
	1 POIN	1 POINT GRAB SAMPLE TAKEN 10" TO 12" INTO BOTTOM CENTER								
		,								
	<del></del>									
	_									



## 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: July 31, 1997 13:22

## CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

ATTN: JEFF CROSS

WORKORDER # : 9707234

WORK ID : JICARILLA PIT CLOSURES

CLIENT CODE : APA01

DATE RECEIVED: 07/25/97

Page:1

Lab ID: 9707234-01A

Sample ID: JAT 125 #6 PIT SIDES

**Collected:** 07/24/97 09:00:00

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	07/28/97	SBTXME180
	ND	mg/kg	0.0050	100	07/28/97	SBTXME180
	ND	mg/kg	0.0050	100	07/28/97	SBTXME180
	ND	mg/kg	0.010	100	07/28/97	SBTXME180
	ND	mg/kg	0.0050	100	07/28/97	SBTXME180

Lap ID: 9707234-01B

Sample ID: JAT 125 #6 PIT SIDES

Collected: 07/24/97 09:00:00

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	07/30/97	SDRO44	

Lab ID: 9707234-02A

Sample ID: JAT 125 #6 PIT BOTTOM

**Collected:** 07/24/97 09:30:00

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	0.0050	100	07/28/97	SBTXME180
	ND	mg/kg	0.0050	100	07/28/97	SBTXME180
	ND	mg/kg	0.0050	100	07/28/97	SBTXME180
	ND	mg/kg	0.010	100	07/28/97	SBTXME180
	ND	mg/kg	0.0050	100	07/28/97	SBTXME180



Page:2

**Collected:** 07/24/97 09:30:00

ID: 9707234-02B Sample ID: JAT 125 #6 PIT BOTTOM

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	07/30/97	SDRO44

President

## **WORKORDER COMMENTS**

DATE : 07/31/97

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

cilent Apache Corporation

# Chain of Custody Record

Project Manager / Contact <u>Jeff Cross</u>

ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964

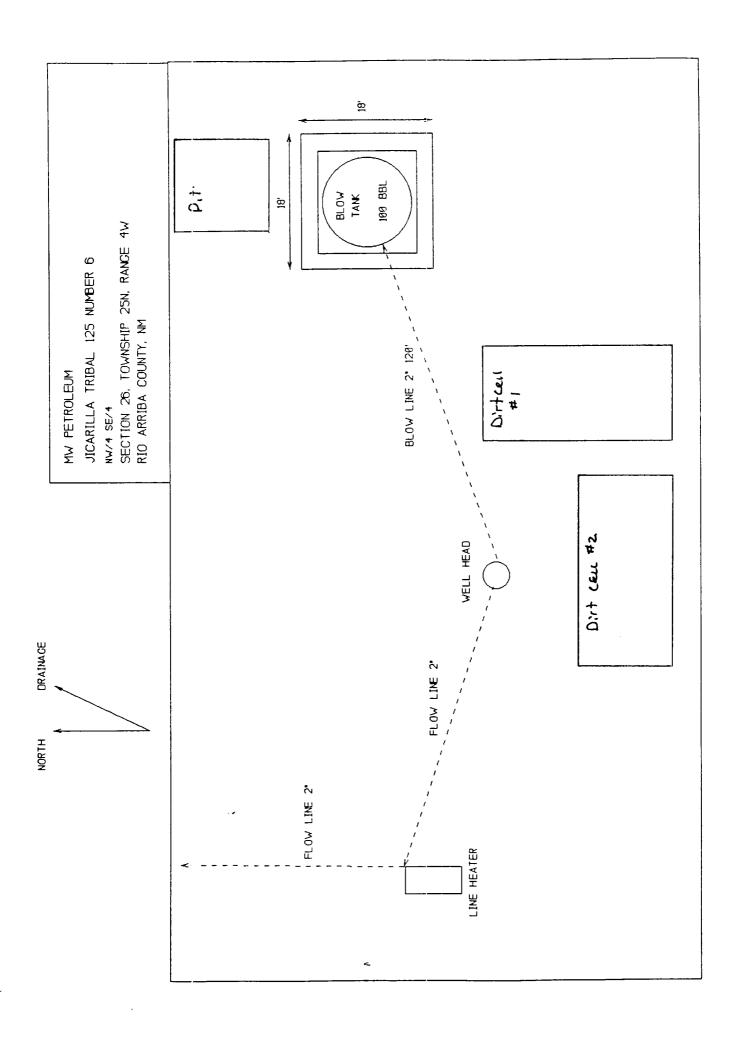
1910 N. BIC NG MIDLAND, TEA. J. 79705 (915) 570-1116

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

MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

asa Robic Remarks ( Stored over 30 days (additional fee) Analysis Required Disposed of (additional fee) Stored (30 days max) After analysis, samples are to be: Received by: Signature Company Resson 5.05 m 7/25/97 ICE Preservation mp. Chemical 16/32 Telephone No. (505) 774-6643 Temp. 200 Company Fax No. (505) 774-6624 Samplers: (Signature) Type / Size of Container 402 610 53 Sample Type <u>```</u> Project Name / Number JICARILLA PIT CLOSURES 2016 8.30 e E E Signature 7.24.97 Date City/State/ZipEarmington, NM 8740 7-25-97 30.6 JATIRSE Pit Ballen TAT 125th Pit Sides Flaid Location ddress 304 N. Behrend Contract / Purchase Order / Quote ethod of Shipment: ecial Instructions: Shipment No. S)

Returned to customer



# 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: MWPET	ROLE:UM		_	Telephone	e	505-325-0	0318	
Address:	2855 SOUTHS	IDE RIV	ER ROAD	/ SUITE A	/ FARMIN	GTON, N. I	M. 87401-7	947
Facility or Well Name:	JAT	125 # 6	CELL#1					
Location: Unit or Qt	r/Qtr Sec	J S	Sec 26	T 25 N	R 4 W	County	IBA	
Land Type	JIC. TRIBAL							
Date Remediation Started: 7/11		11/97		Date Com	pleted:		5/21/98	
Remediation Method:	Landfarmed	_	XXX	Approx. c	ubic yards		150	
	Composted							
	Other	_	Renew	liceted 50	oil TO Be p	rt BACK	is pit	
Depth to Groundwater: (pts) 0 Final Closure Sampling								
Distance to an Epheme	ral Stream:	(pts) _	0	Sampling	Date:	5/21/98	_Time:	9:25AM
Distance to Nearest Lak or Watering Pond:	e, Playa,	(pts)	0	Sample R	esults:			
Wellhead Protection Are	ea:	(pts)_	0	Field Heads:		ND ND		M8015
Distance To Surface Wa	ater:	(pts) _	0	TPH	r BTEX \S	) <u>ND</u>	<del>_</del>	
RANKING SCORE (TO	TAL POINTS)	_	0	Othe	BIEX 13	344040 , 00.	20/ (14	
I HEREBY CERTIFY TH KNOWLEDGE AND BE		MATION	ABOVE	I IS TRUE A	ND COMP	LETE TO T	HE BEST	OF MY
DATE:	6/4/98		PRINTED	NAME		JEFF CF	ROSS	
SIGNATURE JAC	ylwn		TITLE		PROJEC	T MANAGI	ER	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.								
APPROVED: YES	s_ <u>/</u>	NO_		(REASON	4) <u>use</u> c	as Bo	rkfi	<u>U</u>
SIGNED:	C'Man	1	DATE:	6-23	-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

## **ON-SITE SOIL REMEDIATION REPORT**

Operator: MWPET	ROLEUM		_Telephone	505-325-0318	
Address:	2855 SOUTHSII	DE RIVER ROAL	O / SUITE A / FARMIN	IGTON, N. M. 8740	1-7947
Facility or Well Name:	JAT	125 # 6 CELL # 2	2		
Location: Unit or Q	tr/Qtr Sec	J Sec 26	T 25 N R 4 W	County RIO A	RRIBA
Land Type	JIC. TRIBAL				
Date Remediation Start	ed: 7/1	1/97	_Date Completed:	5/21	/98
Remediation Method:	Landfarmed	XXX	_Approx. cubic yards	30	0
	Composted		_		
	Other	_ len	ediated soil To 1	Be put BACKIN pi	+
Depth to Groundwater:		(pts) 0	Final Clo	osure Sampling	
Distance to an Epheme	ral Stream:	(pts)0	Sampling Date:	<u>5/21/98</u> Time:	9:35AM
Distance to Nearest Lal or Watering Pond:	ke, Playa,	(pts)0	Sample Results:	ND	
Wellhead Protection Ar	ea:	(pts)0	Field Headspace (ppm) TPH (ppm	n) ND Metho	d M8015
Distance To Surface W	ater:	(pts) 0		SW846 , 8020A	
RANKING SCORE (TO	TAL POINTS)	0		,	
I HEREBY CERTIFY T KNOWLEDGE AND BE		MATION ABOVE	IS TRUE AND COMF	PLETE TO THE BES	OT OF MY
DATE:	6/4/98	PRINTED	NAME	JEFF CROSS	
SIGNATURE	efflus_	TITLE	PROJEC	T MANAGER	
AFTER REVIEW OF T ACCORDANCE TO TH					PROVED IN
APPROVED: YE	s_ <u></u>	NO	(REASON) <u>ual</u>	as Back	g <u>i</u> ll
SIGNED:		ΛΛ			<del></del>

# M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE	JAT 125 # 6		_	
* AMOUNT OF SOIL UNDER	RGOING REMEDIATION	450	Yds.	
	.**	SampDATE	TPH	BTEX
CELL No. 1		5/21/98	ND	ND
DIMENSIONS(LxWxH)	90' X 45' X 12"			
_				
CELL LOCATION (dir. from well he	ead SOUTHEAST		-	
* DATE BEGAN: 7/11/97			<del> </del>	
DATE BEGAN			<u> </u>	<u>.                                    </u>
DATE TERMINATED (TPH <5,000	) ppm/BTEX< 50 ppm/Benzene < 10 ppm)	5/21/98	3	-
		SampDATE	TPH	BTEX
CELL No. 2		5/21/98	ND	ND
DIMENSIONS(LxWxH)	120' X 70' X 12"			
_				
CELL LOCATION (dir. from well he	ead NORTH			
* DATE BEGAN: 7/11/97				<u> </u>
DATE TERMINATED (TPH <5,000	) ppm/BTEX< 50 ppm/Benzene < 10 ppm)	5/21/98	3	-
		SampDATE	TPH	BTEX
CELL No. 3		GampoATE	1111	DIEX_
CELE IVO.			<del> </del>	<del> </del>
DIMENSIONS(LxWxH)				<del> </del>
-				
CELL LOCATION (dir. from well he	ead			
`				
* DATE BEGAN:				
DATE TERMINATED (TPH <5,000	) ppm/BTEX< 50 ppm/Benzene < 10 ppm)		· · · · · · · · · · · · · · · · · · ·	•
REMEDIATION RECORD: (Date,	Treatment, Tilling)		···	
7/13/97 TREAT SOIL WITH 46-0-0	FERTILIZER, WATER, PLOW AND TILL	SOIL.		
7/15/97 TILL SOIL.				
8/7/97 WATER, PLOW AND TILL S	SOIL.			
9/9/97 TILL SOIL.	DUODUODUO 4401 DO LUIA WATER	DI OM AND TILL	0011	<del></del> .
	SS PHOSPHORUS,110LBS LIME,WATER	CALOW AND TILL	SOIL.	<u> </u>
5/4/98 PLOW SOIL. 5/7/98 TILL SOIL.				
5/21/98 PLOW AND TILL SOIL.				

From excavation reports.

NOTES: 0 ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 9 point composite sample 0

WELL NAME:  $\int AT |2S| \frac{\pi}{6} \left( \frac{\pi}{6} \right)$ SAMPLE DATE:  $\frac{5 - 21 - 48}{6}$ 

**(**)

. 11

= SAMPLE AREA

NOTES: 0 0 ALL SAMPLES TAKEN 10" TO 12" INTO CELL. ld point composite sample 9 0 0 0

WELL NAME: SAT 125 #6 Cell #2

SAMPLE DATE: 5-21-58

DIMENSIONS: 120' x70' x12"

**(** 

·

= SAMPLE AREA

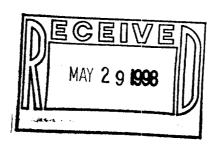


## ASSAIGAI ANALYTICAL LABORATORIES, INC.

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wecgewood, 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
8	analyte detected in Method Blank
Ε	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: 9805214 JICARILLA

William P. Blava: President of Assargai Analytical Laboratories, Inc.

Client Sample ID	JAT 12	5 #6 C	ELL #1 		mple SOIL	<b>-</b>			Sample Collected	05/21/98 09:25:00
						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							
98 <b>05214-01A</b>	X98288	71-43-2	Benzene	ND	mg/Kg	50	0.005	;	XG.1998.483-9	05/22/98
	X98288	100-41-4	Ethylbenzene	ND	mg/Kg	50	0.005	;	XG.1998.483-9	
	X98288	95-47-6	o-Xylene	ND ND	mg/Kg	50	0.005		XG.1998.483-9	
	X98288	:	P/M-Xylenes	ND	mg/Kg	50	0.01	· ;	XG.1998.483-9	
	X98288	108-88-3	Toluene	ND	mg / Kg	50	0.005		XG.1998.483-9	
			SW846-8015 Modified TPH			·				
				ND ND	mg / Kg	25	25		XG.1998.488-37	05/23/98
9805214-01B	X98289	- 4c O	Diesel Range Organics							
9805214-01B Client Sample ID	X98289  JAT 125	5 #6 C			mple SOII			·· · · ·	Sample Collected	05/21/98
Client		5 #6 C		Sal	mple SOII		Detection		Sample	05/21/98 09:35:00 Run
Client		5 #6 C		Sal	mple SOII				Sample	05/21/98 09:35:00
Client Sample ID	JAT 125			Sai Ma	mple <b>SOIL</b>	Dilution	Detection		Sample Collected	05/21/98 09:35:00 Run
Client Sample ID	JAT 125		ELL #2	Sai Ma <u>Result</u>	mple <b>SOIL</b>	Dilution	Detection	* §	Sample Collected	05/21/98 09:35:00 Run
Client Sample ID Fraction	JAT 125	CAS#	ELL #2 SW846-8010/8020 Volatiles	Sai Ma <b>Result</b>	mple <b>SOIL</b> trix <u>Units</u>	Dilution Factor	Detection <u>Limit</u>	* \$	Sample Collected Sequence	05/21/98 09:35:00 Run <u>Date</u>
Client Sample ID Fraction	<b>JAT 125</b> QC Group  X98288	CAS #	ELL #2  SW846-8010/8020 Volatiles  Benzene	Sai Ma <u>Result</u> ND	mpte <b>SOIL</b> trix: <b>Units</b> mg/Kg	Dilution Factor	Detection <u>Limit</u>	* §	Sample Collected Sequence	05/21/98 09:35:00 Run <u>Date</u>
Client Sample ID Fraction	<b>QC Group</b> X98288  X98288	CAS# 71-43-2 100-41-4	ELL #2  SW846-8010/8020 Volatiles  Benzene Ethylbenzene	Sai Ma Result ND ND	mpte SOIL trix Units mg / Kg mg / Kg	Dilution Factor 50	Detection Limit  0.005 0.005	* §	Sample Collected Sequence XG 1998.483-8 XG 1998.483-8	05/21/98 09:35:00 Run <u>Date</u>
Client Sample ID Fraction	JAT 125  QC Group  X98288  X98288  X98288	CAS# 71-43-2 100-41-4	SW846-8010/8020 Volatiles  Benzene Ethylbenzene o-Xylene	Sai Ma Result ND ND	Units  mg / Kg mg / Kg mg / Kg	Dilution Factor  50 50 50	Detection <u>Limit</u> 0.005 0.005 0.005	• §	Sample Collected Sequence XG 1998 483-8 XG 1998 483-8 XG 1998 483-8	05/21/98 09:35:00 Run <u>Date</u>
Client Sample ID Fraction	JAT 125  QC Group  X98288  X98288  X98288  X98288	71-43-2 100-41-4 95-47-6	SW846-8010/8020 Volatiles  Benzene Ethylbenzene o-Xylene P/M-Xylenes	Result  ND ND ND ND ND ND	Units  mg / Kg mg / Kg mg / Kg mg / Kg	50 50 50 50	Detection <u>Limit</u> 0.005  0.005  0.005  0.005	• §	Sample Collected Sequence XG 1998.483-8 XG 1998.483-8 XG 1998.483-8	05/21/98 09:35:00 Run <u>Date</u>

Page 1 of 2 Coyote Reports ver 1.1 / 980406



5/27/98 2:50:33 PM

Report Date

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Client Apache Corporation

Chain of Custody Record

Project Manager/Contact Jeff Cross

P#0\*

7300 JEFFENSON, N.E. ALBUQUEROUE, HEW MEXICO 87109 (505) 345-8964

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

Address 2855 Southside River RD.	RD, Ste. Arelephone No. (505) 774-6643	Analysis Required
City/State/ZipParmington, NM 87401-7947	401-7947_ Fax No. (505) 774-6624	
Project Name / Number	- Samplers: (Signature)	Remarks.
Contract / Purchase Order / Quote	7 S.	
FRACTION Sample Number / Location	Date Time Sample Type / Size of Container Temp. Chemical Trype	
JAT 125 # 6 Cell#1	5-21-98 9-25 Soil 4 02 alass Tec 1 X	
/ 21	4 oz alass	
2A JAT 125 #6 Cell #2	X	
1 82	×	
Ost Cum	Received by:	Dale Received by:
Printed T DEFF CASS S-CM	Printed	Printed City
Company Apache Corp (:0)	Company At Company At Company	8
		After analysis, samples are to be:
Method of Shipment:	Comments:	Disposed of (additional t
Shipment No.		Stored (30 days max)
Special Instructions:		
		Returned to customer
	LABORATORY	