District III

Aztec NM 87410

OTOR OIL CONSERVATION DIVISION

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

FEE 9 8 1999

2040 S. PACHECO
Santa Fe, New Mexico 87505

	LATION AND		URF RFP	ORT ⊷ Ĉ		
PIT REMED	IATION AND	CLUS	OIL ILL	DIE		1
perator: Apache Corporation \ MW P	etroleum	7	elephone:	505-325		
ddress: 2855 Southside River Road		gton, NM	87401	@ <u>[]</u>	C. C.	
acility or Well Name:	Jic Apache					
ocation: Unit or Qtr/Qtr Sec	P S	ec 24	25 N R	4W County	Rio Arriba	
t Type: Separator:	Dehydrator_		Other Blo	w Pit		
and Type: Jicarilla Tribal						
Beginning Pit Dimension	ns: Length	25'	Width	25' De	epth	
it Location: Ending Pit Dimension	_	36'		32' De	epth 9'	
Attach diagram) Reference:	Wellhead _	XXX	Other			
Footage from reference	e: _	250'				
Direction from reference	ce:	180	Degrees	East	North	
				West	South	XX
Depth To Groundwater: vertical distance from contaminants to seasonal			Less than 50 50 feet to 99 Greater than	feet	(20 points) (10 points) _ (0 points) _	0
high water elevation of groundwater) Wellhead Protection Area: (Less than 200 feet from a private				Yes No	(20 points) _ (0 points) _	0
domestic water source, or; less than 1000 feet from all other water sources	3)					
Distance To Surface Water: (Horizontal distance to perennial			Less than 20 200 feet to 1 Greater than	000 feet	(20 points) (10 points) (0 points)	
lakes, ponds, rivers, streams, creeks irrigation canals and ditches)	1		RANKING S	SCORE (TOTAL	POINTS)	0

te Remediation Starte	ed:	6/17/97		ate Complete	ed:	6/19/97	
mediation Method:		Excavation _	XXX_A	Approx. cubic	yards _	370	
heck all appropriate ctions)	Landfarmed	_	XX_I	nsitu Bioreme	ediation _		
		Other					
emediation Location:		Onsite	XX	Offsite			
e. landfarmed onsite, me and location of site facility)			-				
eneral Description of	Remedial Action:		Excavate p	it to 9' , took	PID read	ings. Hit bedrock at 9) <u>', </u>
Sprayed pit	bottom with 46-0-0	Liquid Fer	tilizer. Spre	ad soil on lo	ocation fo	r remediation. Took	
	s. Contour pit, ren						
roundwater Encount	ered:	No	XX	Yes_		Depth	
	Sample location		4 point comp	oosite sample t	aken from p	it sidewalls. Grab sample	
losure Sampling: in multiple samples,	Sample location	taken from	pit bottom cen	ter.			
Closure Sampling: in multiple samples, attach sample results and diagram of sample	Sample location Sample depth		pit bottom cen	ter.		it sidewalls. Grab sample	
closure Sampling: in multiple samples, attach sample results and diagram of sample ocations and depths)			pit bottom cen	iter. ito pit sidew		nto pit bottom	
closure Sampling: in multiple samples, attach sample results and diagram of sample ocations and depths)	Sample depth Sample Date		pit bottom cen	iter. ito pit sidew	alls 10" in	nto pit bottom	
closure Sampling: in multiple samples, attach sample results and diagram of sample ocations and depths)	Sample depth Sample Date Sample results		8 to 10" in	iter. ito pit sidew	alls 10" in	nto pit bottom	
closure Sampling: in multiple samples, attach sample results and diagram of sample ocations and depths)	Sample depth Sample Date Sample results Benzene		8 to 10" in 6/19/97 (ppm)	nto pit sidew	alls 10" in	nto pit bottom	
closure Sampling: in multiple samples, attach sample results and diagram of sample ocations and depths)	Sample depth Sample Date Sample results Benzene Total BTEX		8 to 10" in 6/19/97 (ppm)	ND ND 3.82 Side/ND	alls 10" in	nto pit bottom me 10:45 AM	
Closure Sampling: in multiple samples, attach sample results and diagram of sample ocations and depths) Groundwater Sample	Sample depth Sample Date Sample results Benzene Total BTEX Field Headspace TPH	9' Ye	8 to 10" in 6/19/97 (ppm) (ppm) (ppm)	ND ND 3.82 Side/ND Btm/2100 No	alls 10" in	nto pit bottom me 10:45 AM	
closure Sampling: in multiple samples, attach sample results and diagram of sample ocations and depths)	Sample depth Sample Date Sample results Benzene Total BTEX Field Headspace TPH	9' Ye	8 to 10" in 6/19/97 (ppm) (ppm) (ppm)	ND ND 3.82 Side/ND Btm/2100 No	alls 10" in	nto pit bottom me 10:45 AM	
closure Sampling: in multiple samples, attach sample results and diagram of sample ocations and depths) Groundwater Sample	Sample depth Sample Date Sample results Benzene Total BTEX Field Headspace TPH	9' Ye	8 to 10" in 6/19/97 (ppm) (ppm) (ppm)	ND ND 3.82 Side/ND Btm/2100 No	alls 10" in	nto pit bottom me 10:45 AM (If yes attach sample O THE BEST OF MY	

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:	MW	PETROLEUM			_Telephone	505-325-0	318		
\ddress:	2855	Southside River R	oad, Suite	A, Farming	ton, NM 87	401			
acility or We			JAT 124#						
acility of www				SEC 24	T 25 N	R4W	County	Rio Arriba	
ocation:	Unit	or Qtr/Qtr Sec	P	SEC 24	1 25 1		_		
Pit Type:	Sepa	arator:	_Dehydrato	r	_Other	BLOW PI	<u> T</u>		
_and Type:	Jica	rilla Tribal							
Pit Location:		Pit Dimensions:	Length	36'	Width	32'	Der	oth9'	
(Attach diagr	ram)	Reference:	Wellhead	XX	_Other				
		Footage from refe	rence:	25	0'	_			
		Direction from ref	erence:	180	Degrees		East	North _	
							West	of South _	XX
Depth To G	roun	dwater:			Less than			(20 points)	
(vertical distance		47741011			50 feet to		a •	(10 points)_ (0 points)	0
contaminants to	seaso	nal			Greater t	han 100 fe	El	(o points) _	
high water eleva groundwater)	ation of								
					Less that	n 100 feet		(10 points)	
Distance to (Downgradi ten feet in v	ent dr	phemeral Stream: y wash greater than	1			than 100 fe	eet	(0 points)	
			- Watarina	Pond:	Less tha	n 100 feet		(10 points)	
(Downgradi	ient la	rest Lake, Playa, o kes, playas and ife watering ponds)	or watering	ronu.		than 100 fe	eet	(0 points)	00
l						Y	′es	(20 points)	
Wellhead I		eet from a private					No	(0 points)	0
domestic w	ater s	source, or less than Il other water sourc	es)						
					Less tha	an 100 feet		(20 points)	
		rface Water: nce to perennial			100 feet	to 1000 fe	eet	(10 points)	
lakes, pond	ds, riv	ers, streams, creek	S,		Greater	than 1000	feet	(0 points)	0
irrigation c	anals	and ditches)			RANKI	NG SCORE	(TOTAL	POINTS)	0

ate Remediation Start	ed: 6/17	/97	_Date Comple	eted:		6/19/97	
emediation Method:	Excavation	ın XXX	Approx. cubi	ic yards		370	
Check all appropriate	Landfarmed		– Insitu Bioren	nediation			
ections)	·						
	Other						
emediation Location: e. landfarmed onsite,	On	site XX	Offsite				
ame and location of							
ffsite facility)				DIT TO		D READING	s
eneral Description of	DOCK AT 9' SPRAYE	D PIT BOTT	EXCAVATE OM WITH 46-0	0-0 LIQUI	D FERTILIZI	ED.	<u> </u>
SPREAD	SOIL ON LOCATION R PIT, REMD. SOIL 1	FOR REMID	ATION, TOOK	(SOIL SA	AMPLES.		
CONTOUR Froundwater Encount		No X	Yes_		_ Depth		
inal Pit:	Sample location	<u></u>	omposite take				
losure Sampling: n multiple samples,		1 point g	rab samp e tal	ken from	pit bottom ce	enter.	
ttach sample results nd diagram of sample	Sample depth	9'					
ocations and depths) Sample D		6/19/9	7	Sample 1	Time	10:45AM	
Sample re							
Soil:	Benzene	(ppm)	ND_	Water:	Benzene	(ppb)	NA
	Total BTEX	(ppm)	ND_		Toluene	(ppb)	NA
	Field Headspace	(ppm)	3.82	. E	thylbenzene	(ppb)	NA
	TPH		ND\SIDE	T	otal Xylenes	(ppb)	NA
		Yes	2100\BTM		(If yes atta		results)
Groundwater Sample							
HEREBY CERTIFY T		TION ABOVE	IS TRUE ANI	D COMPL	EIE IO IH	E BEST OF	IVIII
		PRINTI	ED NAME		JEFF CR	oss	
	eff lon		T1 F	Project	Manager		
							ANCE TO
AFTER REVIEW OF T	THE PIT CLOSURE II CHE TRIBE PIT CLO	NFORMATION SURE ORDIN	N, PIT CLOSU NANCE.	IRE IS AF	PROVED IN	ACCORDA	ANCE I
APPROVED: YE	:s_ <u>X</u>	NO	(REASON	1)			
SIGNED:	P \ 1	(X)	DATE:	1/-	13-9	8	

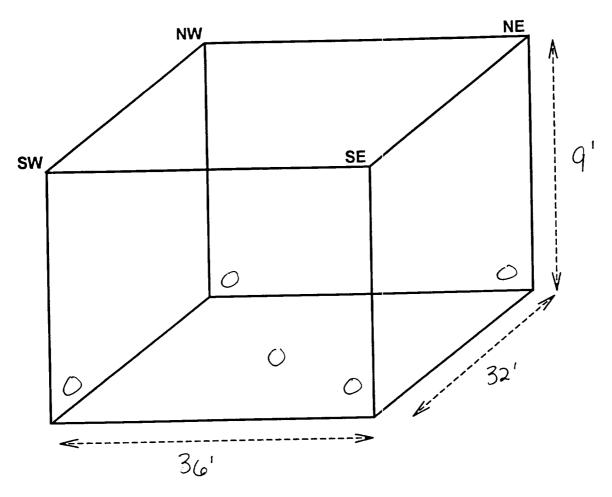
MW PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

Jicarilla Apache Tribal EPO/OCD/BLM

Review and Approval
OCD--BLM

EPO Representative
Date of Review

	START	6/17/97	7		FINISH	6/19/97			1
MENS	IONS						W	D	CU YDS
	Ĺ	W	D			L 36'	32'	9'	370
Pit 1	25'	25'	3'	Pit 1		36	- 32	 	
Pit 2				Pit 2				 	
Pit 3			<u> </u>	Pit 3			Dit 1 @ 0'	Pit 2 @	Pit 3 @
ATE:		Pit 1 @ 6'	Pit 2 @	Pit 3 @	Date:		Pit 1 @ 9'	FILZ W	1 1 0 0
(Center	525				Center	98.6		
e l	NW Corner	418			P	NW Corner	73.5		
	NE Corner	402			1 1	NE Corner	75	 	
D	SW Corner	275			L D	SW Corner	43.2		
	SE Corner	250				SE Corner	42.1		<u> </u>
OTES:				PID READINGS					
	DATE	6/19/9		SOIL SAME		SIS RESULTS		PER LAB	Assaigai
		Pit 1 @ 9'	97 Pit 2 @	SOIL SAMF	ANALYS	SIS RESULTS	Т ветех	PER LAB WITNESS	
	Center	Pit 1 @ 9' 98.6			ANALYS PIT	TPH			
P	Center NW Corner	Pit 1 @ 9' 98.6 73.5			ANALYS PIT NO	TPH SIDE\BTM	BETEX SIDE\BTM		DATE
1	Center NW Corner NE Corner	98.6 73.5 75			ANALYS PIT NO 1	TPH	BETEX	WITNESS	
i D	Center NW Corner NE Corner SW Corner	Pit 1 @ 9' 98.6 73.5 75 43.2			ANALYS PIT NO 1 2	TPH SIDE\BTM	BETEX SIDE\BTM	WITNESS	DATE
i D	Center NW Corner NE Corner	98.6 73.5 75		Pit 3 @	PIT NO 1 2 3	TPH SIDE\BTM	BETEX SIDE\BTM	WITNESS	DATE
I D	Center NW Corner NE Corner SW Corner SE Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\2100	BETEX SIDE\BTM ND\ND	WITNESS	DATE
I D	Center NW Corner NE Corner SW Corner SE Corner	Pit 1 @ 9' 98.6 73.5 75 43.2		Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS	TPH SIDE\BTM ND\2100	BETEX SIDE\BTM ND\ND	J.C	6/19/97
D D DATE:	Center NW Corner NE Corner SW Corner SE Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS	TPH SIDE\BTM ND\2100 SIS RESULTS	BETEX SIDE\BTM ND\ND	J.C PER LAB	6/19/97
D D DATE:	Center NW Corner NE Corner SW Corner SE Corner Center NW Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS	TPH SIDE\BTM ND\2100	BETEX SIDE\BTM ND\ND BETEX	J.C PER LAB	6/19/97
DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1	TPH SIDE\BTM ND\2100 SIS RESULTS	BETEX SIDE\BTM ND\ND BETEX	J.C PER LAB	6/19/97
I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2	TPH SIDE\BTM ND\2100 SIS RESULTS	BETEX SIDE\BTM ND\ND BETEX	J.C PER LAB	6/19/97
DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7	Pit 2 @	Pit 3 @ RE-SAMPL Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\2100 SIS RESULTS	BETEX SIDE\BTM ND\ND BETEX	J.C PER LAB	6/19/97
DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7 Pit 1 @	Pit 2 @	Pit 3 @ RE-SAMPL Pit 3 @ RE-SAMPL	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E 3 E	TPH SIDE\BTM ND\2100 SIS RESULTS TPH SIDE\BTM	BETEX SIDE\BTM ND\ND BETEX SIDE\BTM	J.C PER LAB	6/19/97
DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SW Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7	Pit 2 @	Pit 3 @ RE-SAMPL Pit 3 @	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E ANALYS	TPH SIDE\BTM ND\2100 SIS RESULTS TPH SIDE\BTM	BETEX SIDE\BTM ND\ND BETEX SIDE\BTM	PER LAB PER LAB PER LAB	6/19/97 B DATE
DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SW Corner SC Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7 Pit 1 @	Pit 2 @	Pit 3 @ RE-SAMPL Pit 3 @ RE-SAMPL	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E ANALYS PIT PIT PIT PIT	TPH SIDE\BTM ND\2100 SIS RESULTS TPH SIDE\BTM	BETEX SIDE\BTM ND\ND BETEX SIDE\BTM	PER LAB PER LAB WITNESS PER LAB WITNESS	6/19/97 B DATE
DATE: P DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SE Corner Center NW Corner SE Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7 Pit 1 @	Pit 2 @	Pit 3 @ RE-SAMPL Pit 3 @ RE-SAMPL	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 PIT NO PIT NO	TPH SIDE\BTM ND\2100 SIS RESULTS TPH SIDE\BTM	BETEX SIDE\BTM ND\ND BETEX SIDE\BTM BETEX SIDE\BTM BETEX SIDE\BTM	PER LAB PER LAB WITNESS PER LAB WITNESS	6/19/97 B DATE
DATE: DATE: P DATE:	Center NW Corner SW Corner SE Corner Center NW Corner SE Corner Corner SE Corner Corner NE Corner Center NW Corner NE Corner Center NE Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7 Pit 1 @	Pit 2 @	Pit 3 @ RE-SAMPL Pit 3 @ RE-SAMPL	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 1 2 3 E 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\2100 SIS RESULTS TPH SIDE\BTM	BETEX SIDE\BTM ND\ND BETEX SIDE\BTM BETEX SIDE\BTM BETEX SIDE\BTM	PER LAB PER LAB WITNESS PER LAB WITNESS	6/19/97 B DATE
DATE: P DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SE Corner Center NW Corner SE Corner	Pit 1 @ 9' 98.6 73.5 75 43.2 42.7 Pit 1 @	Pit 2 @	Pit 3 @ RE-SAMPL Pit 3 @ RE-SAMPL	ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 2 3 E ANALYS PIT NO 1 PIT NO PIT NO	TPH SIDE\BTM ND\2100 SIS RESULTS TPH SIDE\BTM	BETEX SIDE\BTM ND\ND BETEX SIDE\BTM BETEX SIDE\BTM BETEX SIDE\BTM	PER LAB PER LAB WITNESS PER LAB WITNESS	6/19/9 6/19/9



							= SAMPLE	AREA
WELL NAM	1E	JAT 124#	13					
SAMPLE D	ATE		6/19/97					
NOTES	4 POIN	T COMPOS	ITE SAMPLE	TAKEN 8" TO) 10" IN	TO PIT		
•	SIDEV							
	1 POII	NT GRAB SA	MPLE TAKE	N 10" TO 12"	INTO B	OTTOM	CENTER	
								
	<u> </u>	HIT BED R	OCK					
	<u>. </u>				- · · · · -			



ASSAIGAI ANALYTICAL LABORATORIES, INC.

JUL 21 1997

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 30, 1997 16:41

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

: 9706229 WORKORDER #

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED : 06/23/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706229-01A

Sample ID: JAT 124 #13 SIDES

Collected: 06/19/97 10:45:00

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	06/25/97	SBTXME172
	ND	mg/kg	0.0050	100	06/25/97	SBTXME172
	ND	mg/kg	0.0050	100	06/25/97	SBTXME172
	ND	mg/kg	0.010	100	06/25/97	SBTXME172
	ND	mg/kg	0.0050	100	06/25/97	SBTXME172

ab ID: 9706229-01B

Sample ID: JAT 124 #13 SIDES

Collected: 06/19/97 10:45:00

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	50	25	06/28/97	SDRO037

Lab ID: 9706229-02A

Sample ID: JAT 124 #13 BOTTOM

Collected: 06/19/97 11:00:00

Matrix: SOIL

Sample 1D. OAT 121 #13	B0110					
TEST / 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	0.0050 0.0050 0.0050 0.010 0.0050	250 250 250 250 250 250	06/25/97 06/25/97 06/25/97 06/25/97 06/25/97	SMSVOA453 SMSVOA453 SMSVOA453 SMSVOA453 SMSVOA453



Page: 2

.b ID: 9706229-02B nple ID: JAT 124 #13 BOTTOM

Collected: 06/19/97 11:00:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	2100	mg/Kg	50	25	06/28/97	SDRO037

WORKORDER COMMENTS

DATE : 06/30/97 WORKORDER: 9706229

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"

 $\overline{\mathrm{N}}\mathrm{T}$ = 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

*Please note: Sample 02A was analyzed by GC/MS method SW846-8240.

Client Apache Corporation

Chain of Custary Record

Project Manager / Contact Jeff - Cross-

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

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

ALBUQUERQUE, NEW MEXICO #2109~-(505) 345-8964

MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

After analysis, samples are to be: Received by: Analysis Required Сотралу Х HE Temp. Chemical Preservation Relinquished by: Telephone No. (505) 774-6643 Project Name / Number JICARILLA PIT CLOSURES Samplers: (Signature) Signature Company Printed. Reason Fax No. (505), 774-6624 Type / Size of Container 402 9/455 1.5 4.0/ 65-4-9 10:45 E L 20:11 S !! Received by: Signature_ Company Reason Date 6-23-57 City/State/ZipEarmington, NM 87401 15:30 Sample Number / Location 51015 Address 304 N. Behrend Contract / Purchase Order / Quote ILAT 124#13 JAT 124#13 Company Hoseke 026 924 P TAR FRACTION 上で Relinquished by Signature 7 الم الم

---<u>,)</u>,

1

Stored over 30 days (additional fee)

Returned to customer

Disposed of (additional fee)

Stored (30 days max)

Comments:

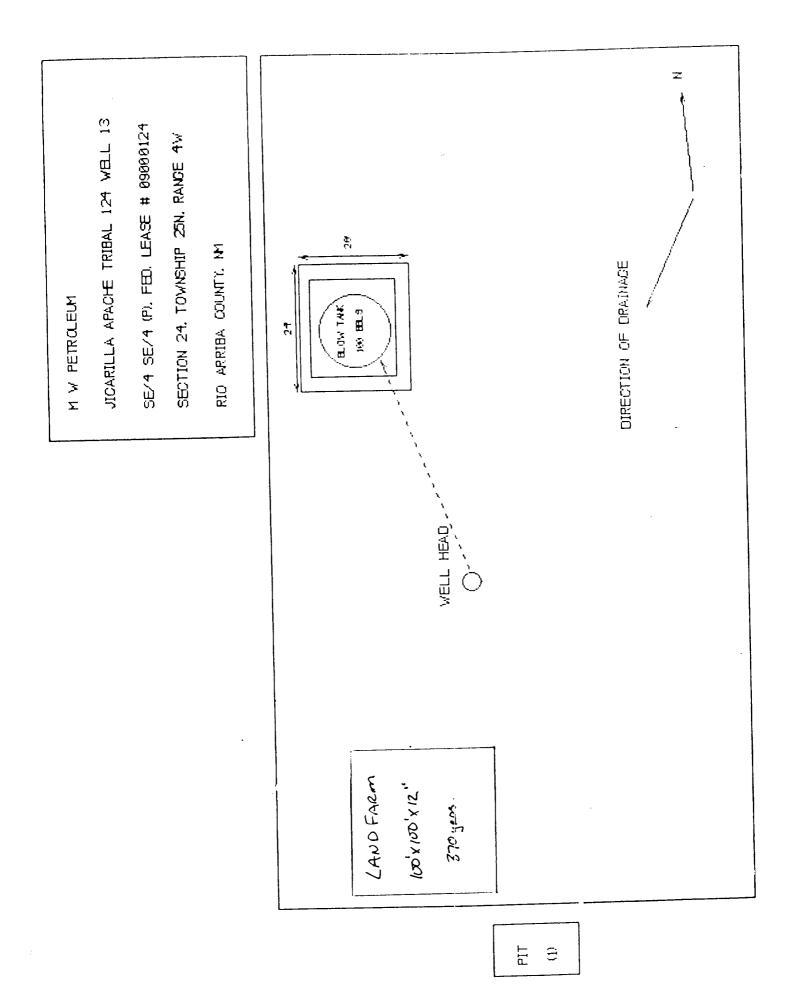
Method of Shipment:

Printed

Resson

Special instructions:

Shipment No.



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	ROLUEM			Telephone		505-325-0	318	
Address:		2855 SOUTHS	IDE RI\	/ER ROAD	/SUITE A/	FARMING	ON, N.M.	87401-7947	
	ell Name:	JAT	124#	13					
Location:		/Qtr Sec			T 25 N	R 4 W	County	RIO ARRIB	Α
Land Type		JIC. TRIBAL							
Date Remed	iation Starte	ed: 6/	17/97		Date Com	pleted:		8/18/98	
Remediation		Landfarmed			Approx. c	ubic yards		370	
		Composted			_				i
		Other			REMEDIA	ATED SOIL	TO BE SP	PREAD ON LO	CATION.
Depth to Gr	oundwater:		(pts)	0		Final Clo	sure Sam	pling	
Distance to		ral Stream:		0	Sampling	Date:	8/18/98	3_Time:	12:25PM
İ	Nearest Lak		(pts	00	Sample I	Results:	0		
Wellhead P	rotection Ar	ea:	(pts)0		(ppn		—– Method	M8015
Distance To	Surface W	ater:	(pts)0	ı			020A (ND)
l l		TAL POINTS)		0	-				
	CERTIFY T	HAT THE INFO	RMATI	ON ABOVE	IS TRUE	AND COM	PLETE TO	THE BEST C	OF MY
DATE:	<u></u> A	9/22/98		PRINTE	NAME		JEFF C	CROSS	
		4 lun				PROJEC			
AFTER RE	VIEW OF T NCE TO TH	HE SOIL REMI HE JICARILLA	EDIATION NO PACH	ON INFORM E TRIBE PI	MATION. (T CLOSUI	ON-SITE RI	EMEDIATION NCE.	ON IS APPRO	OVED IN
APPROVE	D: YE	s X	N	0	_(REASC	DN)			<u>-</u> -
SIGNED:	Lu	Cille		DATE:		11-13	-98		

M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE		JAT 124 # 13			•	
* AMOUNT OF SOIL UNDE	RGOING	REMEDIATION		370	Yds.	
CELL No. 1				SampDATE 6/10/98	7PH 2000	ND ND
	-			8/18/98	740	ND_
DIMENSIONS(LxWxH)	100' X 1	00' X 12"	•		 	
CELL LOCATION (dir. from well l	head	SOUTH	•			
* DATE BEGAN: 6/17/97		_			<u></u>	<u></u>
DATE TERMINATED (TPH <5,00	00 ppm/BT	 EX< 50 ppm/Benzene <	< 10 ppm)	8/18/98	3	
				SampDATE	TPH	BTEX
CELL No. 2						
OLLE NO.	-			· · · · · · · · · · · · · · · · · · ·	ļ	
DIMENSIONS(LxWxH)			-			
and a control (dia from well	hood				 	
CELL LOCATION (dir. from well	Head		-			Ţ <u> </u>
* DATE BEGAN:						<u> </u>
		======================================	< 10 nnm)			
DATE TERMINATED (TPH <5,0	00 ppm/B	IEX< 50 ppm/Benzene	< 10 ppm)			
				SampDATE	TPH	BTEX
CELL No3						
	_					
DIMENSIONS(LxWxH)			_			
					 	1
CELL LOCATION (dir. from well	nead					
* DATE BEGAN:						<u> </u>
DATE TERMINATED (TPH <5,0	000 ppm/B	TEX< 50 ppm/Benzene	< 10 ppm)			-
REMEDIATION RECORD: (Dat	e, Treatme	ent, Tilling)				
6/23/97 TREAT SOIL WITH 46-	0-0 FERT	ILIZER,WATER,PLOW	AND TILL.			
7/3/97 PLOW AND TILL SOIL.		5///98 11	LL SOIL. LOW AND T	II L SOIL.		
7/16/97 PLOW AND TILL SOIL		6/10/98 N	NATER PLO	OW AND TILL S	OIL.	
7/28/97 PLOW AND TILL SOIL		7/10/08	PLOW AND	SOIL.		
8/7/97 WATER , PLOW AND T	ILL SUIL.	7/28/98 \	NATER PL	OW AND TILL S	OIL.	
8/20/97 PLOW AND TILL SOIL		8/6/98 P	LOW AND	TILL SOIL.		- 1 Alah
4/23/98 PLOW AND TILL SOIL		8/17/98 [PLOW AND	TILL SOIL.		
5/6/98 PLOW SOIL.						

From excavation reports.

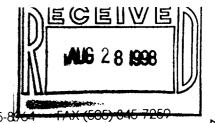
= SAMPLE AREA ALL SAMPLES TAKEN 10" TO 12" INTO CELL. 12 point composite gample JAT 124 #13 Cell 100'×100'×12" SAMPLE DATE: DIMENSIONS: WELL NAME: NOTES:

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ASSAIGAI ANALYTICAL LABORATORIES, INC.



7300 Jefferson, NE • Albuquerque, New Mexico 87109 • (505) 345-8

3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820 127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

APACHE CORPORATION attn: JEFF CROSS 2855 SOUTHSIDE RIVER RD STE A FARMINGTON, NM 87401-7947

	* explanation of codes
В	analyte detected in Method Blank
E	result is estimated
Н	analyzed out of hold time
1 N	tentatively identified compound
	subcontracted
1-9	see footnote

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: APACHE CORPORATION

Project: 9808188 JICARILLA PIT CLOSURES

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

Client Sample ID	JAT 124	#13 (CELL		Sample Matrix	SOIL				Sample Collected	08/18/98 12:25:00		
Fraction	QC Group	CAS#		Result		<u>Units</u>	Dilution <u>Factor</u>	Detection <u>Limit</u>	*	Sequence	Run <u>Date</u>		
			Test: SW846 8015A/8020A GRO	/ Purgeable Ar	omatics		50	0.005		XG.1998.704-14	08/21/98		
9808188-01A	X98392	71-43-2	Benzene	ND		mg/Kg				XG 1998.704-14			
3000100-017	X98392	100-41-4	Ethylbenzene	ND		mg / Kg	50	0.005					
		95-47-6	o-Xylene			mg / Kg	50	0.005		XG.1998.704-14			
	X98392	95-47-0		ND	·	mg / Kg	50	0.01		XG.1998.704-14			
	X98392				p/m Xylenes	ND		mg / Kg	50	0.005		XG.1998.704-14	
	X98392	108-88-3	Toluene					_					
			Test: SW846 8015A Diesel Rang	ge Organics by	GC/FID			25		XG.1998.699-16	08/21/98		
9808188-01B	X98389	!	Diesel Range Organics	740	i	mg / Kg	25	_ i i		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			





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

*** Results relate only to the items: tested. ***

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Chain of Castoay Record

Lab | 60 70 . S 20 S Date 8

/ State/ZipEarmington, NM 87401-7947 Fax N nt <u>lasche Corporation</u> yect Name / Number JICARILLA PIT CLOSURES Samp tress 2855 South SiDE River Rd. STE. A Telep Project Manager / Contact Jeff Cross 9 1001

D CO

3

JAT124 #13

cell

JAT124#13 Cell

Field Location

WAS PAYED

PACTU

(0:0) 2055

7

(6.22)

10/15/78

Time 1015

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ntract / Purchase Order / Quote

DGEWOOD	 (505) 245-4964	LBUQUERUUE, NEW MEXICO 87109
1910 N BIG SPB	9.1	MEXICO 87109

333 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-6000 MELQUIADES ALANIS
6411 LOCAL UNO .
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

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

						J.							8-18-98	8-18-58	Data		CTC	401-	Loi.
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