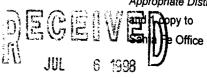
State of New Mexico 100 DEPRTY OIL & GAS FREE Minerals and Natural Resources Department Aztec, NM 87410

Submit 1 copy to Appropriate District

DEC 1 7 1998

OIL CONSERVATION DIVISION

2040 S. PACHECO Santa Fe, New Mexico 87505



REMEDIATION AND CLOSURE REPOR

Operator: Apache Corporation		_Telephone:	505-325-	505-325-0318		
Address: 2855 Southside River Road,	Suite A, Farmington, N	M 87401				
Facility or Well Name:	Apache # 125 #10					
Location: Unit or Qtr/Qtr Sec	P Sec 36	T 25 N R 4	W County	Rio Arriba		
Pit Type: Separator:	Dehydrator	Other Blow	Pit			
Land Type: Jicarilla Tribal						
Beginning Pit Dimensions:	Length 24	Width	24' Dept	h 2'		
Pit Location: Ending Pit Dimensions: (Attach diagram)	Length 30	Width	30' Dept			
Reference:	Wellhead XXX	Other				
Footage from reference:	125'					
Direction from reference:	240	Degrees	East	North		
		xx	o West	f South	x	
Depth To Groundwater:		Less than 50 feet				
vertical distance from		50 feet to 99 feet		(20 points)		
contaminants to seasonal		Greater than 100 f	eet	(10 points) (0 points)	0	
nigh water elevation of proundwater)				(o points) _		
Wellhead Protection Area:			Yes	(20 : - (-)		
Less than 200 feet from a private		•	No	(20 points) (0 points)	0	
domestic water source, or; less than 1000 feet from all other water sources)				(o points) _		
Distance To Surface Water: Horizontal distance to perennial		Less than 200 feet		(20 points)		
akes, ponds, rivers, streams, creeks,		200 feet to 1000 fe		(10 points)		
rigation canals and ditches)		Greater than 1000	feet	(0 points)	0	
/		RANKING SCORE	(TOTAL POIN	TS)	0	

Data Dame III	· · · · · · · · · · · · · · · · · · ·					
Date Remediation S		5/23/97		_Date C	ompleted:	5/19/98
Remediation Metho (Check all appropriat	d: e	Excavation -	XXX	_Approx	cubic yards	166
sections)	Landfarmed	d -	XX	_Insitu B	ioremediation	
		Other		···		
Remediation Location i.e. landfarmed onsition of offsite facility)	e.	Onsite_	XX	_Offsite		
	of Remedial Action:				took PID reading	js.
	oil on location for rem				Hit Bedrock (② 5', sprayed pit
with liquid	fertilizer. Remediate	ed soil to be	put back	in pit.		
-						
Groundwater Encour	ntered:	No	XX	Ye	es	Depth
Final Pit: Closure Sampling: in multiple samples, attach sample results	Sample location	5	ooint comp	osite taken	from pit sidewalls a	and pit bottom center
and diagram of sample ocations and depths)	Sample depth 5	5' 81	to 10" int	o pit side	ewalls 10" into p	it bottom
,	Sample Date Sample results		5/27/97		_Sample Time	2:00 P.M.
	Benzene	(þļ	om) _	ND	<u>)</u>	
	Total BTEX	(pp	om) _	ND	<u>.</u>	
	Field Headspace	(pp	om)	20.12	<u>.</u>	
	TPH			ND/sides		
roundwater Sample:		Yes		70/BTM No		s attach sample results)
HEREBY CERTIFY TH NOWLEDGE AND BE	IAT THE INFORMATION	ON ABOVE IS	S TRUE A	ND COM	PLETE TO THE	BEST OF MY
ATE	June 24, 1998	PRI	NTED NA	ME	Jeff Cross	
GNATURE	of Curo	ANI	D TITLE	•	Project Manage	r
	·			•		

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:	MV	W PETROLEUM			Telephone	e505-3	325-0318		
Address:	304	N. BEHREND,	FARMING	TON, N.M.	84701				
Facility or We	ell Na	ame:	JAT 125	# 10					· · · · · · · · · · · · · · · · · · ·
Location:	Unit	t or Qtr/Qtr Sec	P	SEC 36	T 25N	R 4W	County	RIO ARRIE	 A
Pit Type:	Sep	parator:	_Dehydrate	or	_Other	BLOW P	IT		
Land Type:		JIC. TRIB	AL						
Pit Location:		Pit Dimensions:	Length	n 30'	Width	30'	Der	oth 5'	
(Attach diagra	am)	Reference:	Wellhead	XXX	_Other				
		Footage from ret	ference:	125'					
		Direction from re	ference:	240	_Degrees		_East	North _	
						XX	_West	of South _	х
Depth To Gro		lwater:		······································	Less than 5	50 feet	···	(20 points)	
(vertical distance for					50 feet to 9			(20 points)_ (10 points)	
contaminants to se		al			Greater tha			(0 points)	0
high water elevatio groundwater)	n of					, , , ,		(o points) _	
Distance to a	n Ep	hemeral Stream:			Less than 1			(10 points)	
ten feet in widt	t ary th	wash greater thar	1		Greater tha	n 100 feet		(0 points)	0
Distance to N	eare	st Lake, Playa, o	r Watering	Pond:	Less than 1			(10 points)	
ivestock or wil	iake Idlife	es, playas and watering ponds)			Greater tha	n 100 feet		(0 points)	0
Nellhead Prot						Yes		(20 nointa)	
Less than 200	feet	from a private				No		(20 points) (0 points)	
lomestic water	r sou	rce, or less than ther water source	s)			710		(o points)	0
Distance To S	urfa	ce Water:			Less than 10	00 feet		(20 points)	
Horizontal dist	ance	e to perennial			100 feet to			(10 points)	
akes, ponds, ri rrigation canal:	vers	, streams, creeks,			Greater than		t	(0 points)	0
ganon canal	o and	a dituites)			RANKING S	CORE (TO	OTAL POI	NTS)	0

Date Remed	diation Sta	rted: 5	/23/97	Date Con	npleted:	5-19-98	ŝ
Remediation (Check all ap		Excav	ation XXX	Approx. c	ubic yards	166	
sections)	spropriate	Landfa	rmed XX	Insitu Bio	remediation		
		Othe	r		- <u></u>		
Remediation (i.e. landfarm name and loo offsite facility	ned onsite, cation of	: (Onsite XX	Offsite			
General Des	cription o	f Remedial Actio	n: Exc <u>avate</u> pit	to 5',took F	PID readings. s	pread soil on	
	location	for remidiation. 7	ook soil samp	les.	НІТ	BEDROCK @	
Groundwate	5 P R A	YRO Pit Bottom	No XXX	Perticiz Yes	en 46.0-0	Depth	_
Final Pit:		Sample location				(EN 8 TO 10" IN	TO PIT
Closure Sam (in multiple sa	amples,	SIDE				PIT BOTTOM C	
attach sample and diagram	of sample	Sample depth					
locations and	depths) Sample D Sample re	ate	5/27/9		Sample Time	2:00PM	
	Soil:	Benzene	(ppm)	ND	Water: Ben	zene (ppb)	NA
		Total BTEX	(ppm)	ND	Tolu	iene (ppb)	NA
		Field Headspace	(ppm)	20.12	Ethylber	nzene (ppb)	NA
		TPH	(ppm)	ND\SIDES 570\BTM	Total Xy	lenes (ppb)	NA
Groundwater	Sample:		Yes		XXX (If ye	es attach sample	results)
HEREBY CE	RTIFY TH	AT THE INFORM LIEF.	ATION ABOVE	IS TRUE A	ND COMPLETE	TO THE BEST	OF MY
DATE _	6-	4-98	PRINTED	NAME	JEFI	F CROSS	
SIGNATURE_	Je	4-98 Hlwn	AND TITL	E _	PRO	JECT MANAGE	R
AFTER REVIE THE JICARILI	W OF THI	E PIT CLOSURE IE TRIBE PIT CLO	INFORMATION DSURE ORDIN	I, PIT CLOS ANCE.	URE IS APPRO	VED IN ACCOR	DANCE TO
PPROVED:	YES	X	NO	(REASON)			
IGNED:	Kem	Mam		DATE:	6-23-	98	

Г

M W PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION

JAT 125 # 10

PIT COUNT

1

Jicarilla Apache Tribal EPO/OCD/BLM

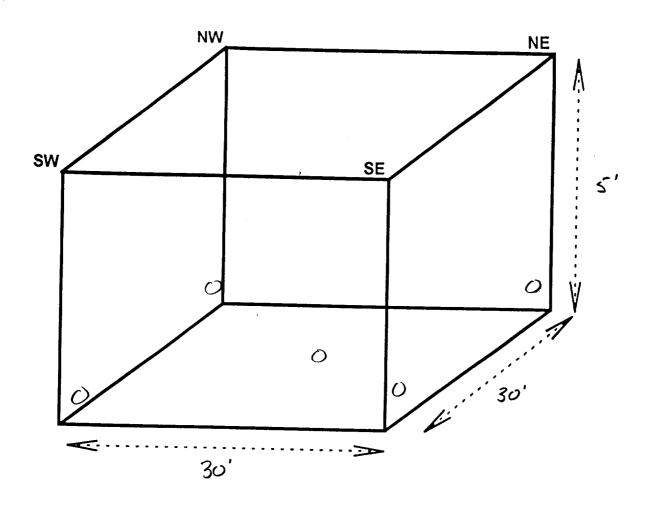
Review and Approval

OCD--BLM

EPO Representative

Date of Review

					Excava	tion			
DIME	NSIONS	START: 5/:	23/97		FINISH				T
	W	L	D				L	T D	CU YDS
Pit 1		24'	2'	Pit		30'	30'	5'	166
Pit 2	2			Pit	2	 			100
Pit 3	3			Pit		 	+		
		Pit 1 @ 5'	Pit 2 @	Pit 3 @	`		Pit 1 @ 5"	D# 2 @	D# 0.0
	Center	80.3	1 - 3	1.1.0		Center		Pit 2 @	Pit 3 @
P	NW Corner	1.2		 	P	×	80.3		
	NE Corner	1	- 			NW Corner	1.2		ļ
Đ	SW Corner	2.3			- !	NE Corner	1		ļ
	SE Corner	15.8			_ D	SW Corner	2.3	 	
NOTE		,,,,,	<u> </u>			SE Corner	15.8	<u> </u>	
		RT EXCAVAT	ION ON DIT	HEAVY CTAIN	IIIIO DOM				
	5/27/97 EXC	AVATE DIT D	OMALTO EL	HEAVY STAIN	ING DOW	N TO 3', LIGH		·	
	5/27/97 TO	OK PID READI	NCC (CCC	NO STAINING	UR ODOF	₹.	HIT BEDRO	CK.	
	5/27/97 TO	OK SOIL CALL	NGS. (GOO	D).	<u> </u>	·			
	3/2//9/ 100	JN SOIL SAMI	PLES AND S	ENT TO ASSA	GAI LABS.				
									
							_		
DATE	E/07/07			SOIL SAM					
DATE:	0.0	Pit 1 @ 5'	Pit 2 @	SOIL SAM		IS RESULTS		PER LAB	ASSAIGAI
	Center	80.3	Pit 2 @			IS RESULTS TPH	ВЕТЕХ		ASSAIGAI DATE
DATE:	Center NW Corner		Pit 2 @		ANALYS			PER LAB WITNESS	ASSAIGAI DATE
	Center NW Corner NE Corner	80.3	Pit 2 @		ANALYS PIT	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
	Center NW Corner NE Corner SW Corner	80.3 1.2	Pit 2 @		ANALYS PIT NO 1	TPH			
P	Center NW Corner NE Corner	80.3 1.2 1	Pit 2 @		ANALYS PIT NO	TPH SIDE\BTM	SIDE\BTM	WITNESS	DATE
l D	Center NW Corner NE Corner SW Corner	80.3 1.2 1 2.3	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\570	SIDE\BTM	WITNESS	DATE
P	Center NW Corner NE Corner SW Corner	80.3 1.2 1 2.3 15.8		Pit 3 @	ANALYS PIT NO 1 2 3 FOR CELL	TPH SIDE\BTM ND\570 (S) SAMPLE	SIDE\BTM	JEFF C.	DATE
P I D	Center NW Corner NE Corner SW Corner SE Corner	80.3 1.2 1 2.3	Pit 2 @	Pit 3 @	ANALYS PIT NO 1 2 3 E OR CELL ANALYS	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	5/29/97
P I D	Center NW Corner NE Corner SW Corner SE Corner	80.3 1.2 1 2.3 15.8		Pit 3 @	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT	TPH SIDE\BTM ND\570 (S) SAMPLE	SIDE\BTM	JEFF C.	DATE
P I D DATE:	Center NW Corner NE Corner SW Corner SE Corner Center NW Corner	80.3 1.2 1 2.3 15.8		Pit 3 @	ANALYS PIT NO 1 2 3 COR CELL ANALYS PIT NO	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	5/29/97
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner	80.3 1.2 1 2.3 15.8		Pit 3 @	ANALYS PIT NO 1 2 3 E OR CELL ANALYS PIT NO 1	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	5/29/97
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner	80.3 1.2 1 2.3 15.8		Pit 3 @	ANALYS PIT NO 1 2 3 E OR CELL ANALYS PIT NO 1 2	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS	SIDE\BTM ND\ND	JEFF C. PER LAB	5/29/97
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner	80.3 1.2 1 2.3 15.8		Pit 3 @ RE-SAMPLI Pit 3 @	ANALYS PIT NO 1 2 3 E OR CELL ANALYS PIT NO 1 2 3	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS TPH	SIDE\BTM ND\ND	JEFF C. PER LAB	5/29/97
P D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner	80.3 1.2 1 2.3 15.8	Pit 2 @	RE-SAMPLI Pit 3 @	ANALYS PIT NO 1 2 3 E OR CELL ANALYS PIT NO 1 2 3 E OR CELL OR CELL	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS TPH	SIDE\BTM ND\ND	JEFF C. PER LAB	5/29/97
P D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SW Corner	80.3 1.2 1 2.3 15.8		Pit 3 @ RE-SAMPLI Pit 3 @	ANALYS PIT NO 1 2 3 E OR CELL ANALYS PIT NO 1 2 3 E OR CELL OR CELL	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS TPH	SIDE\BTM ND\ND BETEX	JEFF C. PER LAB WITNESS	5/29/97
P D D D D D D D D D D D D D D D D D D D	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SE Corner	80.3 1.2 1 2.3 15.8	Pit 2 @	RE-SAMPLI Pit 3 @	ANALYS PIT NO 1 2 3 E OR CELL ANALYS PIT NO 1 2 3 E OR CELL OR CELL	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS TPH (S) SAMPLE S RESULTS	SIDE\BTM ND\ND BETEX	JEFF C. PER LAB WITNESS PER LAB	DATE 5/29/97 DATE
P I D DATE:	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SW Corner	80.3 1.2 1 2.3 15.8	Pit 2 @	RE-SAMPLI Pit 3 @	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 PIT	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS TPH	SIDE\BTM ND\ND BETEX	JEFF C. PER LAB WITNESS	5/29/97
P D D D D D D D D D D D D D D D D D D D	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SE Corner	80.3 1.2 1 2.3 15.8	Pit 2 @	RE-SAMPLI Pit 3 @	ANALYS PIT NO 1 2 3 E OR CELL ANALYS PIT NO 1 2 3 E OR CELL ANALYS PIT NO PIT NO	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS TPH (S) SAMPLE S RESULTS	SIDE\BTM ND\ND BETEX	JEFF C. PER LAB WITNESS PER LAB	DATE 5/29/97 DATE
P D D D D D D D D D D D D D D D D D D D	Center NW Corner SW Corner SE Corner Center NW Corner NE Corner SW Corner SE Corner Center NW Corner Corner SW Corner Corner	80.3 1.2 1 2.3 15.8	Pit 2 @	RE-SAMPLI Pit 3 @	ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 2 3 FOR CELL ANALYS PIT NO 1 PIT	TPH SIDE\BTM ND\570 (S) SAMPLE IS RESULTS TPH (S) SAMPLE S RESULTS	SIDE\BTM ND\ND BETEX	JEFF C. PER LAB WITNESS PER LAB	DATE 5/29/97 DATE



				= SAMPLE AREA
WELL NAM	ИЕ	JAT 125#10		
SAMPLE D	PATE	5-27-97		
NOTES	4 POINT	COMPOSITE SAMPLE TA	KEN 8" TO 10" IN	NTO PIT
	SIDEW	ALL		
	1 POIN	T GRAB SAMPLE TAKEN 1	10" TO 12" INTO F	ROTTOM CENTED
•			, , , , , , , , , , , , , , , , , , , ,	DOT TOM CENTER
-				
-				
-				
_				
-				
_	<u> </u>			······································
_				



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 2, 1997 15:31

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER # : 9705241

WORK ID

: JICARILLA PIT CLOSURES

CLIENT CODE

: APA01

DATE RECEIVED: 05/29/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9705241-01A

Sample ID: JAT 125 #10 PIT 1 SIDES

Collected: 05/27/97 14:00:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Vylene	ND	mg/Kg	0.0010	500	05/29/97	SBTXME166
	ND	mg/Kg	0.0010	500	05/29/97	SBTXME166
	ND	mg/Kg	0.0010	500	05/29/97	SBTXME166
	ND	mg/Kg	0.0020	500	05/29/97	SBTXME166
	ND	mg/Kg	0.0010	500	05/29/97	SBTXME166

Lab ID: 9705241-01B

Sample ID: JAT 125 #10 PIT 1 SIDES

Collected: 05/27/97 14:00:00

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	50	1.0	05/29/97	SDRO029

Lab ID: 9705241-02A

Sample ID: JAT 125 #10 PIT 1 BOTTOM

Collected: 05/24/97 14:15:00

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	0.0010	500	05/29/97	SBTXME166
	ND	mg/Kg	0.0010	500	05/29/97	SBTXME166
	ND	mg/Kg	0.0010	500	05/29/97	SBTXME166
	ND	mg/Kg	0.0020	500	05/29/97	SBTXME166
	ND	mg/Kg	0.0010	500	05/29/97	SBTXME166



Page: 2

L / ID: 9705241-02B Sample ID: JAT 125 #10 PIT 1 BOTTOM

Collected: 05/24/97 14:15:00 **Matrix:** SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	570	mg/Kg	50	1.0	05/29/97	SDRO029

Juin P. Bring

William P. Biava President

	サマナマ	
); > = \);	ASSA
IXAI CIX		ÍGA A
	֖֖֖֖֖֖֖֖֖֝֟֝֟֝֟֝֟֝֟֝֟֝֓֟֝֟֝֟֝֓֓֓֟֝֟֝֓֓֟֝֟֝֓֓֓֟֝֓֓֟֝	

Client Apache Corporation

Project Manager / Contact_Jeff_Cross_

Page |

Chain of Custody Record

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

(915) 593-6000	EL PASO, TEXAS 7992	3332 WEDGEWOOD
	925	ŏ

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

MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Address 304 N. Behrend	nd	Telephone No. (505) 774-6643	Analysis Required
	77.07.07		1
ony / orace / zipt a.t.m.t.mg both /	1. NE. 0 1.		
Project Name / Number JICARILLA PIT CLOSURES	ILLA PIT CLOSI	Samplers: (Signature) Juff CLO?	Remarks (See
Contract / Purchase Order / Quote	0	o of Con	
FRACTION Sample Number / Location	Location Date	~_	B7 08 / / / /
OIP TAT 125 40 pot 1 SIDES		11	1. October
010 " "			
OLA JATIS#10pit/Botton		5:15	
02/3 11 11		2i5 1 1 2 1	7
)	
		1732 te A	
ż			
Signature Tuff Con-	— 5-28-97 sign	Received by: Signature Signature Signature	5/19/97 Received by Liller Migh
company & packe Corgo.	Time Con	Company AHLI Company	nme O Company And NAM
Reason	Reason	Reason	O A' Reason
Method of Shipment:	Соп	Comments:	Disposed of (additional fee)
Special instructions:			Stored (30 days max)
			Hattimed to citatomer

WORKORDER COMMENTS

DATE : 06/02/97

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"

 $\overline{\text{NT}}$ = 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.

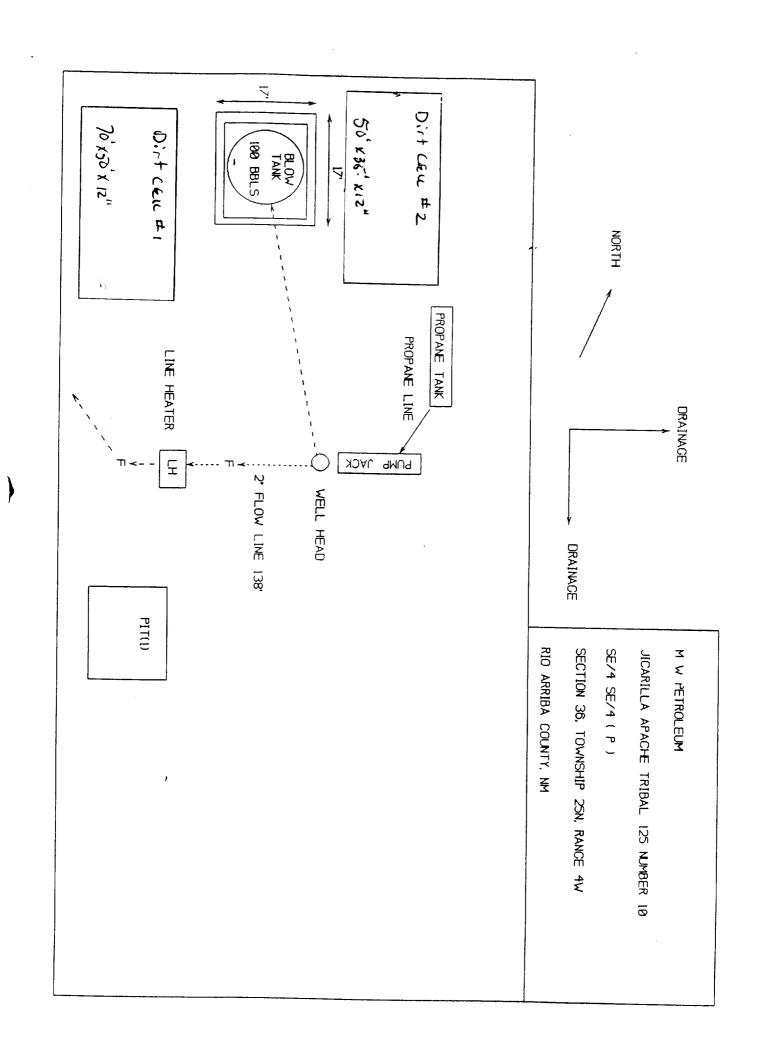
LIMIT = The minimum amount of the analyte that AAL can detect

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



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 PETI	ROLEUM			Telephor	ne	505-325-0	0318	
Address:		2855 SOUTH	ISIDE RI	VER ROA					'947
Facility or We	ell Name:			10 CELL					
Location:	Unit or Qtr	r/Qtr Sec	Р	Sec 36	T 25 N	R4W	County	RIO ARR	(IBA
Land Type		JIC. TRIBAL							
Date Remedi	ation Starte	ed:	5/23/97		Date Con	moleted:		5/19/98	
Remediation		Landfarmed		xxx		cubic yards	· · · · · · · · · · · · · · · · · · ·	100	
		Composted				, <u> </u>	<u> </u>		
		Other		Rened	inted so	zic To Be	put Brek	- IN pit	
Depth to Grou	undwater:		(pts)	0	T	Final Clo	sure Sampi	ling	
Distance to ar	n Ephemer	al Stream:	•	0	Sampling	g Date:	•	,	10:10AM
Distance to Nor Watering P		∍, Playa,	(pts)	0	Sample R				
Wellhead Pro	tection Are	a:	(pts)	0	Field Heads		ND ND		-
Distance To S	3urface Wa⁴	ter:	(pts)_	0	TPH	41		_Method	M8015
RANKING SC	ORE (TOT	TAL POINTS)		0	Othe	L RIEV 10	SW846 , 802	20A (ND	1)
KNOWLEDGE	RTIFY THA					ND COMPI	LETE TO TH	HE BEST C)F MY
DATE:	-A	6/4/98		PRINTED	NAME		JEFF CRO	<u>DSS</u>	 ·
SIGNATURE	the	1000		TITLE		PROJECT	T MANAGE	R	
AFTER REVIE ACCORDANC	WOF THE	E SOIL REME JICARILLA AI	DIATION PACHE	I INFORM/ TRIBE PIT	ATION. OI	N-SITE REN E ORDINAN	MEDIATION ICE.	IS APPRO	VED IN
APPROVED:		X					cus B	ackf	الأي
SIGNED:	Ken	.C.Ma		DATE:	6-2	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:	M W PET	TROLEUM			Telephor	ne	505-325-	0318	
Address:		2855 SOUTH	ISIDE R	IVER ROA	D/SUITE	A / FARMIN	IGTON, N.	M. 87401-7	7947
Facility or W	ell Name:			#10 CELL					
Location:	Unit or Qt	tr/Qtr Sec	Р	Sec 36	T 25 N	R4W	County	RIO ARR	RIBA
Land Type		JIC. TRIBAL							
Date Remedi	ation Starte	ed: §	5/23/97		Date Com	mpleted:		5/19/98	
Remediation	Method:	Landfarmed		XXX	Approx. c	cubic yards		60	
		Composted			-				
		Other		Rem	- ediated:	50il 70 Be	-put Back	-iDAT	
Depth to Grou	undwater:		(pts)	0		Final Clo	sure Sampl	ling	
Distance to ar	n Ephemen	al Stream:	(pts)	0	Sampling	p Date:	5/19/98	_	10:20AM
Distance to No or Watering P		e, Playa,	(pts)	0	Sample R	łesults:			
Wellhead Pro	tection Are	;a:	(pts)	0	Field Headsp		ND	-	
Distance To S	Surface Wa	iter:	(pts)	0	TPH	41 /		_Method	M8015
RANKING SC	ORE (TOT	TAL POINTS)		0	Other	er <u>BTEX\S\</u>	W846 , 8UZ	20A (ND))
HEREBY CE KNOWLEDGE	RTIFY THA	IAT THE INFOR LIEF	₹MATIO	N ABOVE	IS TRUE A	ND COMPL	ETE TO TH	HE BEST C)F MY
DATE:		6/4/98		PRINTED	NAME		JEFF CRO	oss	···
SIGNATURE_	Jeff	Lun		TITLE		PROJECT	Γ MANAGE	R	
AFTER REVIE ACCORDANC	W OF THE	E SOIL REMED JICARILLA AP	JIATION PACHE	I INFORM/ TRIBE PIT	ATION. ON CLOSURE	V-SITE REN E ORDINAN	MEDIATION ICE.	IS APPRO	VED IN
APPROVED:	YES	\times	NO.		_(REASON)	1)			_
BIGNED: -	Keek	Man	<u> </u>	DATE:	6-	·23-9	8 sekfi	U	- -

M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SIT	E _		JAT 125 # 10				
* AMOUNT OF SOIL	L UNDER	GOING	REMEDIATION		166	Yds.	
					SampDATE	TPH	BTEX
CELL No.					5/19/98	ND	ND
DIMENSIONS(LxWxH)	<u>7(</u>	0' X 50'	X 12"				
CELL LOCATION (dir. fi	rom well hea	ad	NORTHWEST		-		
* DATE BEGAN:	5/23/97			[-
DATE TERMINATED (T	PH <5,000 r	ppm/BTE	- EX< 50 ppm/Benzene < 10 p	ppm)	5/19/98		
					SampDATE	TPH	BTEX
CELL No.	2			[5/19/98	ND	ND
DIRECTION OF SAME	 E(21 V 0EI	***	[
DIMENSIONS(LxWxH)	<u>5(</u>)' X 35	X 12"	-			
CELL LOCATION (dir. fr	rom well hea	ad	NORTHEAST	}			
	Om Wen	,	HORTILAGI	F		 	
* DATE BEGAN:	5/23/97		-	ľ			
DATE TERMINATED (TI	PH <5,000 p	ppm/BTE	X< 50 ppm/Benzene < 10 p	opm) _	5/19/98		
CELL No.	3				SampDATE	TPH	BTEX
DIMENSIONS(LxWxH)							
CELL LOCATION (dir. fr	om well hea	ıd		}			
* DATE BEGAN:				E			
DATE TERMINATED (TR	°H <5,000 р	pm/BTE	X< 50 ppm/Benzene < 10 p	pm) _			
REMEDIATION RECOR	D: (Date, Tre	eatment,	Tilling)				<u> </u>
5/30/97 TREAT SOIL WI	TH 46-0-0 F	ERTILIZ	ER,WATER,PLOW AND TI	ILL SOI	L.		
6/2/97 TILL SOIL.							
7/15/97 TILL SOIL.	··- =						
8/7/97 WATER,PLOW AI 9/9/97 TILL SOIL.	ND TILL SU	기L.					
	"TU 251 DC	TO LOCK	CODE O COLOR DE MAT				
4/30/98 PLOW SOIL.	/ITH ZOLDO	PHUSE	HORUS, 48LBS LIME,WAT	ER,PL	OW AND TILL S	ÖIL.	
	/98 TILL SC	<u> </u>					
0/ 1/00 TILE 001E. 0/ 10/	BU TILL OU	ノル.					Ī

^{*} FROM EXCAVATION REPORTS.

= SAMPLE AREA ALL SAMPLES TAKEN 10" TO 12" INTO CELL. le point composite sample JAT 125 #10 Cell #2 50'x 35' x12" 5-19-48 SAMPLE DATE: DIMENSIONS: WELL NAME: 0 NOTES:

= SAMPLE AREA 0 0 0 ALL SAMPLES TAKEN 10" TO 12" INTO CELL 0 \bigcirc 8 001 154 confosite struppe 13-51-9, 2+x-co-x-pl JAT 125 #10 Cell #1 20'x50'x12" 0 SAMPLE DATE: WELL NAME: DIMENSIONS: 0 0 NOTES:



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
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: 9805202 **JICARILLA**

M CCL t of Assaigai Analyticai La

Client Sample ID	JAT 12	5 #10 (CELL #1 		Sample Matrix	SOIL				Sample Collected	05/19/98 10:10:00
Fraction	QC Group	CAS#		Result	<u>i</u>	<u>Jnits</u>	Dilution <u>Factor</u>	Detection <u>Limit</u>	*	Sequence	Run <u>Date</u>
			SW846-8020 Volatiles								
9 805202-01A	X98285	71-43-2	Benzene	ND		mg/Kg	50	0.005		XG.1998.484-10	05/22/98
	X98285	100-41-4	Ethylbenzene	ND		mg / Kg	50	0.005		XG.1998.484-10	
	X98285	95-47-6	o-Xylene	ND		mg / Kg	50	0.005		XG.1998.484-10	
	X98285		p/m Xylenes	ND	-	mg / Kg	50	0.01		XG.1998.484-10	
	X98285	108-88-3	Toluene	ND		mg / Kg	50	0.005		XG.1998.484-10	
			SW846-8015 Modified TPH					<u> </u>			
9805202-01B	X98286	i	Diesel Range Organics	ND		mg / Kg	25	25		XG.1998.488-15	05/23/98

Client Sample ID	JAT 125	5 #10 (CELL #2		ample SOIL	-			Sample Collected	05/19/98 10:20:00
Fraction	QC Group	CAS#		Result	<u>Units</u>	Dilution Factor	Detection <u>Limit</u>	•	Sequence	Run <u>Date</u>
			SW846-8020 Volatiles							
9805202-02A	X98285	71-43-2	Benzene	ND	mg / Kg	50	0.005	-	XG.1998.484-11	05/22/98
	X98285	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005		XG.1998.484-11	
	X98285	95-47-6	o-Xylene	ND	mg / Kg	50	0.005		XG.1998.484-11	
	X98285		p/m Xylenes	ND	mg / Kg	50	0.01		XG.1998.484-11	
	X98285	108-88-3	Toluene	ND	mg / Kg	50	0.005		XG.1998.484-11	
			SW846-8015 Modified TPH			·	- ····································			
9805202-02B	X98286		Diesel Range Organics	ND	mg / Kg	25	25		XG.1998.488-16	05/23/98

Page 1 of 2

Coyote Reports

ver 1.1 / 980406

Report Date

5/27/98 2:56:18 PM

