District III

State of New Mexico Enemy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION** 

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

**DEPUTY OIL & GAS INSPECTOR** 

2040 S. PACHECO Santa Fe, New Mexico 87505 AUG 2 1 1998

PIT REMEDIATION AND CLOSURE REPORT

HANENEO					
Operator: MWPETROLEUM		_Telephone:	505-325-0	)318	
Address: 2855 Southside River R	oad, Suite A, Farmir	ngton, NM 8740	1-7947		
Facility or Well Name:	BRIDGE (	OM LINE DRIP	PIT # 1		
Location: Unit or Qtr/Qtr Sec	NW Sec 28	T 26N R 2V	V County	Rio Arriba	
Pit Type: Separator:	Dehydrator	Other <u>LINE</u>	DRIP		-
Land Type: FEE					
PIT DIMENSION START Pit Location: PIT DIMENSION FINISH (Attach diagram) Reference:	Length 10' Length 12' Wellhead	Width 1	6' Depti 0' Depti		
Footage from refere		<del>-</del>			•
Direction from refer	ence: <u>go</u>	Degrees X	<del></del>	North	×
		-	o West	า South	
Depth To Groundwater: (vertical distance from	pymorphore for all an aprileges which the	Less than 50 fee 50 feet to 99 fee	et	(20 points) (10 points)	
contaminants to seasonal high water elevation of groundwater)	DECE	Greater than 10	U feet	( 0 points)	0
Wellhead Protection Area: (Less than 200 feet from a private	MAY 1	1 1998 U	Yes No	(20 points) ( 0 points)	0
domestic water source, or; less than 1000 feet from all other water source	es) O[[L CO[] D[ST				
Distance To Surface Water:		Less than 200 fe	eet	(20 points)	
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks	<b>3</b> .	200 feet to 1000 Greater than 10		(10 points) ( 0 points)	0
irrigation canals and ditches)	•	RANKING SCO			Q

Date Remediation Sta	rted: <u>4/29/</u> 9	)7	_Date Com	pleted:		4/29/97
Remediation Method:	Excavation	XX	_Approx. cı	ubic yards		17
(Check all appropriate sections)	Landfarmed	XX	_Insitu Bior	emediation		
	Other					
Remediation Location		te	_Offsite	BEAR CA	NYON # 1	
(i.e. landfarmed onsite, name and location of offsite facility)			UNIT H	SEC 35	T 26N	R 2W
General Description o	of Remedial Action:					
EXCAVATE	PIT TO 5', TOOK PI	D READING	S. SPREAD	SOIL ON	LOCATIO	N,
TREAT SO	IL WITH FERTILIZER	,WATER AN	ID TILL SO	IL. TOOK	SOIL SAM	PLES.
SOIL WAS	MOVED TO BEAR CA	TINU NOYNA	Γ#1 FOR	REMEDATI	ON DUE 1	TO LIMITED
SPACE FC	R ON SITE REMEDIA	ATION.				
Groundwater Encoun	tered:	lo X	Yes		_ Dept	h
Final Pit: Closure Sampling: (in multiple samples,	Sample location	5 point com	posite taken fi	rom pit sidewa	alls and pit b	ottom center
attach sample results and diagram of sample	Sample depth	8 to 10" ir	nto pit side	walls 10" i	nto pit bo	ttom
locations and depths)	Sample Date Sample results	4/30/97	,	_Sample Ti	me	10:30 AM
	Benzene	(ppm)	ND	_		
	Total BTEX	(ppm)	ND	_		
	Field Headspace	(ppm)	1.66	_		
	TPH		ND	_		
Groundwater Sample:	: Ye	es	_ No	<u> </u>	_(If yes att	ach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND BI		TION ABOVE	IS TRUE	AND COMP	LETE TO	THE BEST OF MY
DATE	9-Apr-98	PRINTED	NAME	Jeff Cros	s	
SIGNATURE Je	ff Cun	AND TITL		Project M		

District III 1000 Rio Brazos Rd Aztec, NM 87410

## State of New Mexico Energy, Minerals and Natural Resources Department

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

## OIL CONSERVATION DIVISION 2040 S. PACHECO

Santa Fe, New Mexico 87505

#### PIT REMEDIATION AND CLOSURE REPORT

Operator:	M W PETROLEUM			_Telephone	e:	505-325-	0318	
Address:	2855 Southside River	Road, Suit	e A, Farmi	ngton, NM	87401-79	47		
Facility or	Well Name:		BRIDGE	COM LINE	DRIP	PIT # 2		
Location:	Unit or Qtr/Qtr Sec	NW	Sec 28	T 26N	R 2W	County	Rio Arriba	<del></del>
Pit Type:	Separator:	_Dehydrato	r	_Other	LINE DR	IP		_
Land Type	: FEE							
Pit Location: (Attach dia	PIT DIMENSION START PIT DIMENSION FINISH agram) Reference:	Length Length Wellhead		Width Width Other		Dept Dept		<del>-</del>
	Footage from refer	ence:	28	30'				-
	Direction from refe	rence:	80	_Degrees	X_X_	East	North of	<u> </u>
						_West	South	
Depth To (vertical distar contaminants high water ele groundwater)	to seasonal			Less than 50 feet to Greater th		et	(20 points) (10 points) ( 0 points)	0
(Less than domestic v	Protection Area: 200 feet from a private vater source, or; less than from all other water source					Yes No	(20 points) ( 0 points)	0
(Horizontal lakes, pond	Fo Surface Water: I distance to perennial ds, rivers, streams, creek	S,			200 feet o 1000 feet an 1000 fe		(20 points) (10 points) ( 0 points)	0
irrigation c	anals and ditches)			RANKING	SCORE (	TOTAL POI	NTS)	0

Date Remediation Sta	rted: 4/29/	97	Date Com	pleted:		4/29/97
Remediation Method:	Excavation	nXX	Approx. cu	ubic yards		20
(Check all appropriate sections)	Landfarme	d XX	Insitu Bior	emediation		
	Other					
Remediation Location		site	Offsite	BEAR CA	NYON # 1	
(i.e. landfarmed onsite, name and location of offsite facility)			UNIT H	SEC 35	T 26N	R 2W
General Description o	of Remedial Action:					
EXCAVATE	PIT TO 7', TOOK P	ID READING	S. SPREAD	SOIL ON	LOCATION	Ν,
TREAT SO	IL WITH FERTILIZE	R,WATER AN	D TILL SO	IL. TOOK S	OIL SAME	PLES.
SOIL WAS	MOVED TO BEAR C	CANYON UNIT	#1 FOR	REMEDATI	ON DUE T	O LIMITED
SPACE FC	R ON SITE REMED	IATION.				
Groundwater Encoun	tered:	No X	Yes		Depth	1
Final Pit: Closure Sampling: (in multiple samples,	Sample location	5 point comp	oosite taken f	rom pit sidewa	ills and pit bo	ottom center
attach sample results and diagram of sample	Sample depth	8 to 10" in	nto pit side	walls 10" i	nto pit bot	ttom
locations and depths)	Sample Date Sample results	4/30/97		_Sample Ti	me	10:10 AM
	Benzene	(ppm)	ND	_		
	Total BTEX	(ppm)	ND	_		
	Field Headspace	(ppm)	445	_		
	TPH		3200	_		
Groundwater Sample	: У	/es	_ No	<u> </u>	_(If yes atta	ach sample results)
I HEREBY CERTIFY T KNOWLEDGE AND B		TION ABOVE	IS TRUE	AND COMP	LETE TO	THE BEST OF MY
DATE	9-Apr-98	PRINTED	NAME	Jeff Cros	s	
SIGNATURE J	off lun	AND TITL	<b>E</b>	Project M	anager	

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

LOCATION

BRIDGE COM DRIP PITS

PIT COUNT

2
2

Jicarilla Apache Tribal EPO/OCD/BLM

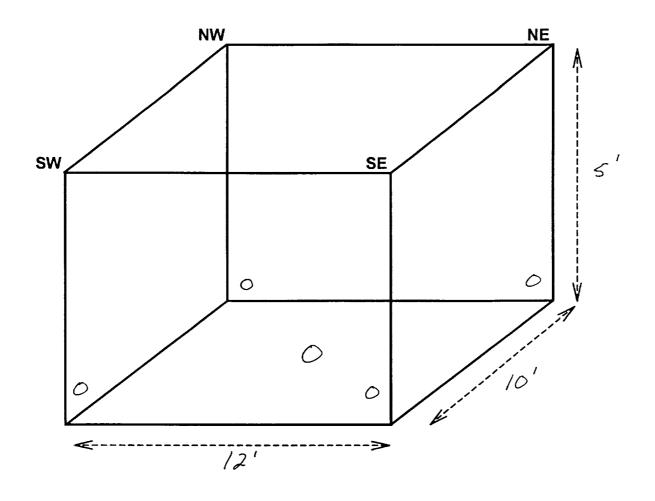
Review and Approval

OCD-BLM

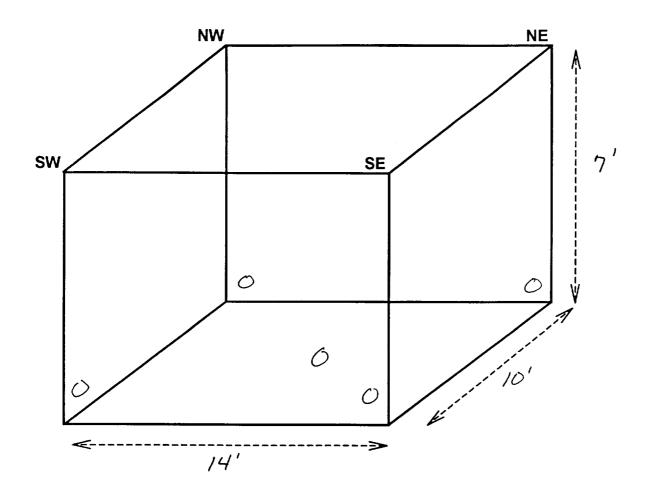
EPO Representative

Date of Review

DIMEN		4/29/97	•		FINISH:	4/29/97		1	
	SIONS								
	W	L	D			W	L	D	CU YDS
Pit 1	6'	10'	1'	Pit 1		10'	12'	5'	17
Pit 2	8'	12'	3'	Pit 2		10'	14'	7'	20
Pit 3				Pit 3					
		Pit 1 @ 5'	Pit 2 @ 5'	Pit 3 @			Pit 1 @ 5'	Pit 2 @ 7'	Pit 3 @
	Center	5	1000			Center	5	500	
P	NW Corner	4	1060		P	NW Corner	4	480	
1	NE Corner	1	1010		1 1	NE Corner	1	480	
D	SW Corner	1.6	1150		a f	SW Corner	1.6	510	
	SE Corner	1	1150		1	SE Corner	1	500	
OTES	S:	<del>'</del>				· · · · · · · · · · · · · · · · · · ·			<u> </u>
	4/29/97 STAF	RT EXCAVATI	ON ON PIT#	I, EXCAVTE PI	T TO 5'.	NO ODOR OR	STAINING,		
		GS GOOD. ST							
	TIO NEXE	30 000B. 01	OI EXONUT					· · · · · · · · · · · · · · · · · · ·	
		<del>.</del>		<del></del>					
				, EXCAVATE F		LIGHT ODOR			
	NO STAINING	G,PID READII	NGS GOOD. S	STOP EXCAVA	TION.				
							·		
	4/20/07 TOO	K COIL CAMD	I E EDOM DIT	S #1 & #2 AND	CENT A	CONCALLADO	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
	4/30/97 100	K SUIL SAMP	LE FROM PH	5 # 1 & #Z AND	SEIVI A	SSAIGAI LADS	).		
<u>.</u>									_
		4/20/07	4/00/07						
	SAMP DATE	4/30/97	4/30/97		Innya	NO DECLUTO		DED 1 40	
	or .	Pit 1 @ 5'	Pit 2 @ 7'	Pit 3 @		SIS RESULTS		PER LAB	Assaigai
	Center		Pit 2 @ 7' 450	Pit 3 @	PIT	SIS RESULTS	BETEX	PER LAB WITNESS	Assaigai DATE
P	or .	Pit 1 @ 5'	Pit 2 @ 7'	Pit 3 @		· · · · · · · · · · · · · · · · · · ·	BETEX		
P	Center	Pit 1 @ 5' 3.7	Pit 2 @ 7' 450	Pit 3 @	PIT	· · · · · · · · · · · · · · · · · · ·	BETEX		
	Center NW Corner NE Corner	Pit 1 @ 5' 3.7 3	Pit 2 @ 7' 450 400	Pit 3 @	PIT NO	TPH		WITNESS	DATE
1	Center NW Corner	Pit 1 @ 5' 3.7 3 0	Pit 2 @ 7' 450 400 430	Pit 3 @	PIT NO 1	TPH ND	ND	JEFF C.	DATE 5/7/97
1	Center NW Corner NE Corner SW Corner	Pit 1 @ 5' 3.7 3 0 0.8	Pit 2 @ 7' 450 400 430 480	Pit 3 @	PIT NO 1 2 3	TPH ND 3200	ND	JEFF C.	DATE 5/7/97
1	Center NW Corner NE Corner SW Corner SE Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE	PIT NO 1 2 3 OR CELL	ND 3200 (S) SAMPLE	ND	JEFF C.	DATE 5/7/97
) D	Center NW Corner NE Corner SW Corner SE Corner	Pit 1 @ 5' 3.7 3 0 0.8	Pit 2 @ 7' 450 400 430 480		PIT NO 1 2 3 OR CELL	ND 3200 (S) SAMPLE SIS RESULTS	ND ND	JEFF C. JEFF C. PER LAB	5/7/97 5/7/97
i D DATE:	Center NW Corner NE Corner SW Corner SE Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS	ND 3200 (S) SAMPLE	ND	JEFF C. JEFF C.	DATE 5/7/97
I D DATE:	Center NW Corner NE Corner SW Corner SE Corner  Center NW Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS PIT NO	ND 3200 (S) SAMPLE SIS RESULTS	ND ND	JEFF C. JEFF C. PER LAB	5/7/97 5/7/97
DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS PIT NO 1	ND 3200 (S) SAMPLE SIS RESULTS	ND ND	JEFF C. JEFF C. PER LAB	5/7/97 5/7/97
I D DATE:	Center NW Corner NE Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2	ND 3200 (S) SAMPLE SIS RESULTS	ND ND	JEFF C. JEFF C. PER LAB	5/7/97 5/7/97
DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE Pit 3 @	PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3	ND 3200  (S) SAMPLE SIS RESULTS TPH	ND ND	JEFF C. JEFF C. PER LAB	5/7/97 5/7/97
DATE:	Center NW Corner NE Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3	ND 3200  (S) SAMPLE SIS RESULTS TPH	ND ND	JEFF C. JEFF C. PER LAB	5/7/97 5/7/97
DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner SW Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE Pit 3 @	PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL OR CE	ND 3200  (S) SAMPLE SIS RESULTS TPH	ND ND	JEFF C. JEFF C. PER LAB	5/7/97 5/7/97
DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner SW Corner SW Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE Pit 3 @  RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS 1 2 3 OR CELL ANALYS ANALYS ANALYS ANALYS	ND 3200  (S) SAMPLE SIS RESULTS TPH  (S) SAMPLE SIS RESULTS	ND ND BETEX	JEFF C. JEFF C. PER LAB WITNESS	5/7/97 5/7/97 DATE
DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner SE Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE Pit 3 @  RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT	ND 3200  (S) SAMPLE SIS RESULTS TPH  (S) SAMPLE	ND ND	JEFF C. JEFF C. PER LAB WITNESS	5/7/97 5/7/97
DATE:  P DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner SW Corner SE Corner  Center NW Corner SW Corner SE Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE Pit 3 @  RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO PIT NO PIT NO PIT NO	ND 3200  (S) SAMPLE SIS RESULTS TPH  (S) SAMPLE SIS RESULTS	ND ND BETEX	JEFF C. JEFF C. PER LAB WITNESS	5/7/97 5/7/97 DATE
DATE:  P DATE:  DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner SW Corner SE Corner  Center NE Corner  Center NW Corner SE Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE Pit 3 @  RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 1 NO 1	ND 3200  (S) SAMPLE SIS RESULTS TPH  (S) SAMPLE SIS RESULTS	ND ND BETEX	JEFF C. JEFF C. PER LAB WITNESS	5/7/97 5/7/97 DATE
DATE:  P  DATE:  P	Center NW Corner SW Corner SE Corner  Center NW Corner NE Corner SW Corner SE Corner  Center NW Corner SW Corner SE Corner  Center NW Corner SE Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE Pit 3 @  RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 1 2 2 3 OR CELL ANALYS PIT NO 1 2	ND 3200  (S) SAMPLE SIS RESULTS TPH  (S) SAMPLE SIS RESULTS	ND ND BETEX	JEFF C. JEFF C. PER LAB WITNESS	5/7/97 5/7/97 DATE
i D DATE: P DATE:	Center NW Corner SW Corner SE Corner  Center NW Corner SW Corner SE Corner  Center NE Corner  Center NW Corner SE Corner	Pit 1 @ 5' 3.7 3 0 0.8 0.8	Pit 2 @ 7' 450 400 430 480 465	RE-SAMPLE Pit 3 @  RE-SAMPLE	PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 2 3 OR CELL ANALYS PIT NO 1 1 NO 1	ND 3200  (S) SAMPLE SIS RESULTS TPH  (S) SAMPLE SIS RESULTS	ND ND BETEX	JEFF C. JEFF C. PER LAB WITNESS	5/7/97 5/7/97 DATE



		= SAMPLE AREA
WELL NAME	BRIDGE COM DRIP PIT #1	_
SAMPLE DATE	4/30/97	_
NOTES 5 PC	DINT COMPOSITE SAMPLE TAKEN 8" TO 10"	INTO PIT
SID	EWALL , 10" TO 12" INTO PIT BOTTOM CENT	ER
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			$\bigcirc$	= SAMPLE AREA
WELL NAM	ΛE	BRIDGE COM DRIP PIT #2	_	
SAMPLE D	ATE	4/30/97		
NOTES	5 POIN	T COMPOSITE SAMPLE TAKEN 8" TO 10" IN	NTO PIT	
_	SIDEW	ALL, 10" TO 12" INTO PIT BOTTOM CENTE	ER.	
			<u>.</u>	<del>.</del>
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			<u>-</u>	
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#### 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:

16:34 May 9, 1997

#### **CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE**

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORK ID CLIENT CODE

WORKORDER #

: 9705022

: REMEDIATION

: APA01

DATE RECEIVED: 05/02/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9705022-01A

Sample ID: BRIDGE COM PIT #1

Collected: 04/30/97 10:30:00

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	0.0010	500	05/05/97	SBTXME158
	ND	mg/Kg	0.0010	500	05/05/97	SBTXME158
	ND	mg/Kg	0.0010	500	05/05/97	SBTXME158
	ND	mg/Kg	0.0020	500	05/05/97	SBTXME158
	ND	mg/Kg	0.0010	500	05/05/97	SBTXME158

Lab ID: 9705022-01B

Sample ID: BRIDGE COM PIT #1

**Collected:** 04/30/97 10:30:00

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	05/07/97	SDRO25

Lab ID: 9705022-02A

Sample ID: BRIDGE CON PIT #2

Collected: 04/30/97 10:10:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A Benzene Toluene Ethylbenzene P-&m-Xylene O-Xylene	ND ND ND ND ND	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.0010 0.0010 0.0010 0.0020 0.0010	500 500 500 500 500	05/06/97 05/06/97 05/06/97 05/06/97 05/06/97	SBTXME159 SBTXME159 SBTXME159 SBTXME159 SBTXME159



Page: 2

Lab ID: 9705022-02B Sample ID: BRIDGE CON PIT #2

Collected: 04/30/97 10:10:00 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	3200	mg/Kg	50	20	05/08/97	SDRO25

William P. Biava President

#### **WORKORDER COMMENTS**

DATE: 05/09/97 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"

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

Client BACK COLDOLAtion

# Chain of Custody Record

Project Manager / Contact JEFF (1055

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

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

1910 N. BIG SPRING MIDLAND, TEXAS 79705 (915) 570-1116 MELQUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

10	F 1 12 12 12 12 12 12 12 12 12 12 12 12 1								,	,									
														,					
Analysis Required												,	1	,	Received by:	Signature	Сотрапу	Reason	are to be:
Analysis											/				Date		8 	eg e	After analysis, samples are to be:
	No. of Containers		7		// /						/ / /								
6643	les d'	Preservation Temp. Chemical	12 KE	15E	FIT	727									Relinquished by:	lre	Ŷ.		
No. 504-774-6643	505.7746624 (Signature)	Type / Size of Container	1,155	1/475	7/455	1455			42/47	1	V	-		:	Relinqui	Signature	Company	Reason	
Telephone No.	do. Diers:	_	.785	<i>%</i>	1.1 402	5.1 6/2			31							1000	1707		
	, , , , , , , , , , , , , , , , , , ,	Date Time S	13.97 30 5011	4-2097 12 5/1	4-30-97 JULY SOIL	5 (11) 65.87		j	)			,	>			Printed	Company	Reason	
last.	fin Nr		1/2	2.4 612 4.C	97 42 43	P. 7. 7. 43		> <i>F</i>					.,.		Date	- 5/3/57		- 4 · 0	
301 W. Reh. Ens	Ch. 24	Sample Number	14 (on 217	16160 20	lacion P.	1. Cm. P.					7				(m)	(4055	(c. +2014 +. 32		
Address 50	City / State / Zip + A.  Project Name / Number - Contract / Purchase Ord	FRACTION		1.	45	12	. 200								Relinquished by:	Printed	Company A 21/11C	Reason	
	l.				,	- 1	: 1		1			1		- 1	œ v	_	_	-	

Stored over 30 days (additional fee)

Returned to customer

Disposed of (additional fee) Stored (30 days max)

Comments:

Method of Shipment:

Shipment No.

Special Instructions:

I North. Bridge Con Line Orip NW See 28 Talen Raw

Dr.ppit #2

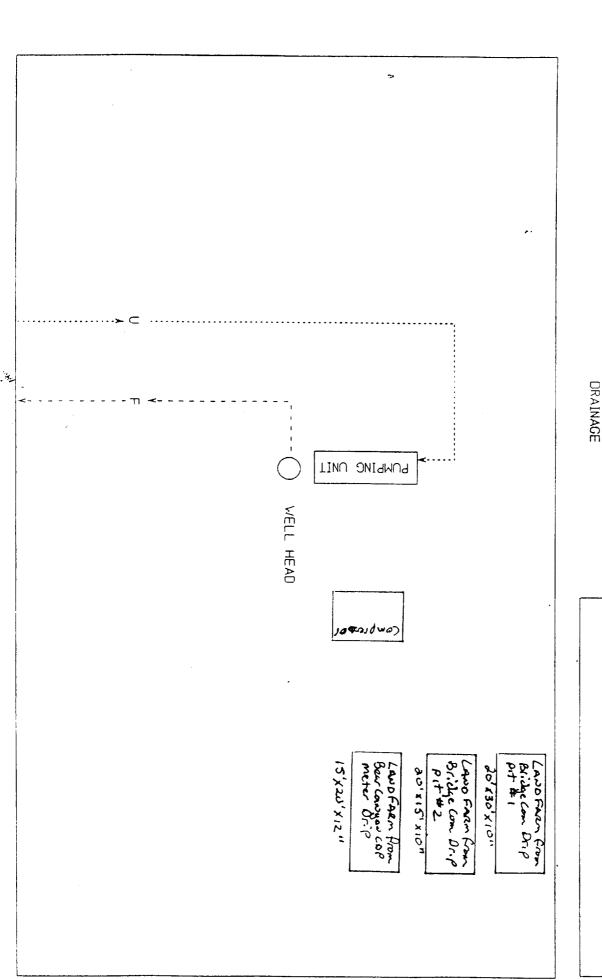
Orport Ft |

meter Run.

## M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE BEAR CANYON#1,FROM BRIDGE COM DRIP PITS.									
* AMOUNT OF SOIL UND	ERGOING	REMEDIATION _		30	Yds.				
f	*			SampDATE	TPH	BTEX			
CELL No. 1				10/7/97	ND	ND			
DIMENSIONS(LxWxH)	20' X 30'	X 10"							
, , ,		***************************************							
CELL LOCATION (dir. from wel	l head								
* DATE BEGAN: 5/4/9	7								
DATE TERMINATED (TPH <5,	000 ppm/BTE	X< 50 ppm/Benzene < 10	0 ppm)	10/7/97		•			
				SampDATE	TPH	BTEX			
CELL No. 2				10/7/97	ND	ND			
DIMENSIONS(LxWxH)	20' X 15'	X 10"							
, , ,					·	<u> </u>			
CELL LOCATION (dir. from well	l head								
* DATE BEGAN: 5/4/9	7								
DATE TERMINATED (TPH <5,	000 ppm/BTE	X< 50 ppm/Benzene < 10	0 ppm)	10/7/97	<del>,</del>	•			
				SampDATE	TPH	BTEX			
CELL No. 3				GampBitte					
<u> </u>	_					ļ			
DIMENSIONS(LxWxH)									
DIVIENSIONS(EXVVXII)	<del></del>								
CELL LOCATION (dir. from well	l head								
SELE ESSATISM (dil. nom wo	Ticaa								
* DATE BEGAN:									
DATE BEGAN:  DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm)									
REMEDIATION RECORD: (Dat		<u> </u>							
		WITH 46-0-0 FERTILIZE		R, PLOW AND	TILL SOIL.				
		ER, PLOW, AND TILL SC				er			
10///9/ TOOK SOIL	SAMPLES A	AND SENT TO ASSAIGA	I LABS.						
	<del></del>								

From excavation reports.



MW PETROLEUM
BEAR CANYON NUMBER I
SW/4 NE/4
SECTION 15, TOWNSHIP 26N, RANGE 2W
RIO ARRIBA COUNTY, NM

NORTH

WELL NAME: SAMPLE DATE: DIMENSIONS:	BRIDGE COM LINE DRIP CELL #1  10/7/97  20' X 30' X10"		0	= SAMPLE AREA
0				0
		0		
0				0
)	0	$\bigcirc$		)
(				(
NOTES:	ALL SAMPLES TAKEN 8" TO 10" INTO CELL. TOOK 10 POINT COMPOSITE SAMPLE.			
SOIL TO BE	O BE REMEDIATED WAS HAULED TO BEAR CANYON #1, AND LAYED OUT ON LOCATION.	NYON #1, AND LAY	ED OUT	ON LOCATION.

NOTES:  ALL SAMPLES TAKEN 8" TO 10" INTO CELL.  TOOK 10 POINT COMPOSITE SAMPLE.
SOIL TO BE REMEDIATED WAS HAULED TO BEAR CANYON #1, AND LAYED OUT ON LOCATION.



#### ASSAIGAL 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:

October 20, 1997 16:37

#### CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

WORKORDER #

: 9710113

TO: 2855 SOUTHSIDE RIVER RD STE AWORK ID

: JICARILLA PIT CLOSURES

FARMINGTON, NM 87401-7947

CLIENT CODE

: APA01

DATE RECEIVED : 10/10/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9710113-01A

Sample ID: BRIDGE COM DRIP PIT#1 CELL

Collected: 10/07/97 11:00:00

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	10/15/97	X97371
	ND	mg/kg	0.0050	100	10/15/97	X973_1
	ND	mg/kg	0.0050	100	10/15/97	X97321
	ND	mg/kg	0.010	100	10/15/97	X97321
	ND	mg/kg	0.0050	100	10/15/97	X97321

Lab ID: 9710113-01B

Collected: 10/07/97 11:00:00

Sample ID: BRIDGE COM DRIP PIT#1 CELL

Matrix: SOIL

TEST / METHOD	RESULT		LIMIT		DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	ND	mg/Kg	25	25	10/18/97	SDRO059

Lab ID: 9710113-02A

Collected: 10/07/97 13:30:00

Sample ID. PRIDGE COM DRIP PITH2 CELL

Matrix: SOTI-

Sample ID: BKIDGE COM D	RIF PII#2 CELL	YIAHIA, D	7 1 <u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</u>			
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	100 100 100 100 100	10/15/97 10/15/97 10/15/97 10/15/97 10/15/97	X97321 X97321 X97321 X97321 X97321 X97321



Page: 2

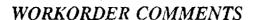
Collected: 10/07/97 13:30:00 Matrix: SOIL

Lab ID: 9710113-02B
Sample ID: BRIDGE COM DRIP PIT#2 CELL

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 .	10/18/97	SDRO059

rine I med

William P. Biava President



DATE : 10/20/97 WORKORDER:

#### DEFINITIONS/DATA QUALIFIERS

The following are definitions, abbreviations, and data qualifiers which may have been utilized in your report:

D\_F = Sample "dilution factor"

NT = Analyte "not tested" per client request.

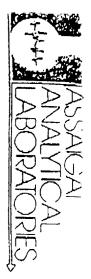
B = Analyte was also detected in laboratory method QC blank.

E = Analyte concentration (result) is an estimated val : 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

Page

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

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

ALBUQUERQUE NEW MEXICO 87109

ontract / Purchase Order / Quote ... ly/State/Zipfarmington, NN 87401 Wress 304 N. Behrend YALES KA oject Name / Humber JICARILLA PIT CLOSURES Samplers: (Signature) len Apache Corporation clai lastrúc liona: rad of Shipment 3 quished by: Spacke (brop Bridge combigation Bildy Contition 10222 1160 Fleid Sample Humber / Location 58.00 ング (40401) 0.1 Received by: Signature\_ Reason \_ Company 133 X 7.30 1144 No y 8 Sample Project Manager / Contact Joff Cross-Fax No. (505) 774-6624 Telephone No. (505) 774-6643 13x 1102 3/253 Type / Size of Container HAR Relinquestred by: Signature Company Printed Temp. Preservation 37I Scoll Chemical 7 6 X TRATT X X mad exs 10 00:9 After analysis, samples are to be 17:30 12-13-97 0016 Time & My MELOUIADES ALANIS 6411 LOCAL UNO CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320 Stored (30 days max) Returned to customer Stored over 30 days (additional fee) Disposed of (additional fee) Analysis Required Signature Asceived by: ucseat. Company Printed ala 410 Rubio Remarks