District III

State of New Mexico

100 Brazos Rd Energy, Minerals and Natural Resources Department

DEPUTY OIL & CHISPECTOR OIL CONSERVATION DIVISION 2040 S. PACHECO

APR 1 0 1888

Salta Fe, New Mexico 87505

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

PIT REMEDIATION AND CLOSURE REPORT

14/	MVEVED							
Operatør:	M W PETROLEUM	الله المحدد الاست		_Telephone	•	505-325-	0318	
Address:	2855 Southside River	Road, Suit	e A, Farm	ington, NM	87401-79	47		
Facility or \	Well Name:		DIVIDE #	1		<u> </u>		
Location:	Unit or Qtr/Qtr Sec	<u>H</u>	Sec 35	T 26N	R 2W	_County	Rio Arriba	
Pit Type:	Separator: XX	_Dehydrato	r	_Other				
Land Type	FEE							
Pit Location: (Attach dia	PIT DIMENSION START PIT DIMENSION FINISH gram)	Length Length		Width Width		Dep Dep		
V III Zon zon	Reference: Footage from ref	Wellhead erence:	X	_Other 5'				
	Direction from re		350	_Degrees		_East	North _	ХХ
					X	_West	South	
Depth To (vertical distar contaminants high water ele	to seasonal	بر	man englishme yan na masi i yi ya	Less than 50 feet to Greater th		et	(20 points) (10 points) (0 points)	0
groundwater) Wellhead (Less than	Protection Area: 200 feet from a privat			BE[V[C 1 0 199	ED)	Yes No	(20 points) (0 points)	20
domestic water source, or; less than 1000 feet from all other water sources		nan urces)		ION. D Dat 3				
(Horizonta	To Surface Water: al distance to perennial nds, rivers, streams, cre	eeks,			1 200 feet to 1000 fee han 1000 f		(20 points) (10 points) (0 points)	0
	canals and ditches)			RANKING	G SCORE	(TOTAL P	OINTS)	20

Date Remediation S	started:	4/14/97		Date Co	ompleted:		10/7/97		
Remediation Metho (Check all appropriat		avation _	ХХ	Approx.	cubic yards	s	74		
sections)		farmed _	хх	Insitu Bi	ioremediatio	on			
Ì	Oth	ner _							
Remediation Location (i.e. landfarmed onsite name and location of offsite facility)		Onsite_	хх	Offsite					
General Description	of Remedial Ac	tion:							
EXCAVAT	<u>E PIT TO 7', TO</u>	OK PID F	READIN	GS. SPRE	AD SOIL C	N LOCATI	ON		
	OIL WITH FERTI								
			/(mi	HATA I I PER	OIL. 100	N SUIL SA	MPLES.		
				· · · · · · · · · · · · · · · · · · ·					
Groundwater Encou	ntered:	No_	x	Y6	es	Dept	th		
Final Pit: Closure Sampling:	Sample location	n <u>5 r</u>	oint com	posite taken	from pit sidev	valls and pit b	ottom center		
(in multiple samples, attach sample results									
and diagram of sample locations and depths)	Sample depth	8 1	8 to 10" into pit sidewalls 10" into pit bottom						
. ,	Sample Date Sample results		4/16/97		_Sample T	ime	10:20AM		
	Benzene	(pį	om)	ND					
	Total BTEX	(pr	om)	ND	-				
	Field Headspace	e (pr	om)	30.44	_				
	TPH			ND	-				
Groundwater Sample:	:	Yes	 _	No	X	_(If yes atta	ach sample results)		
HEREBY CERTIFY T	HAT THE INFOR	RMATION	ABOVE	IS TRUE	AND COM	PLETE TO	THE BEST OF MY		
NATE//-,	11-97	PR	INTED N	NAME	Jeff Cros	s			
IGNATURE JE	ff loss		D TITLE		Project M				

Soil To Be put Back in p.t.

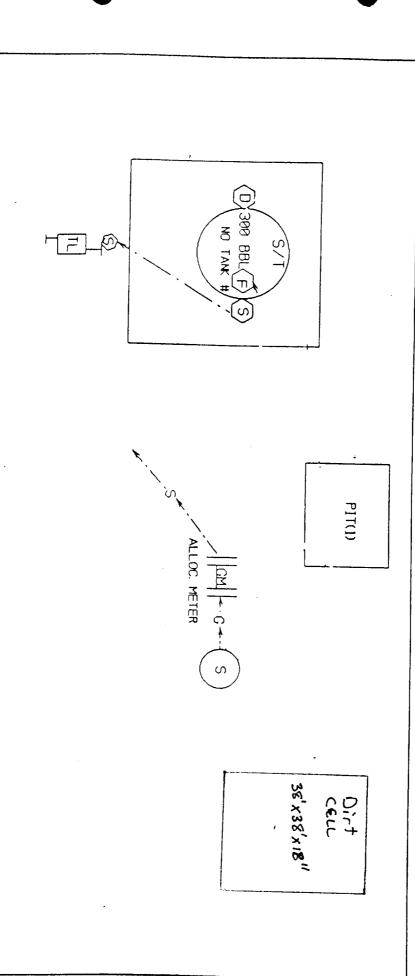
MW PETROLEUM

DIVIDE NUMBER 1

SE/1 NE/1 (H)

SECTION 35, TOWNSHIP 26N, RANGE 2W

RIO ARRIBA COUNTY, NM



PUMP

WELL HEAD

M W PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

DATE:

Center

NW Corner

NE Corner

SW Corner

SE Corner

Pit 1 @

Pit 2 @

Pit 3 @

	ATION	DIVIDE # 1	OCD-BLM									
PITC	TNUC	1	_			EPO Represe Date of Review						
					Excavati	ion		¬				
DIMEN	ISIONS	START:	4/14/9	7	FINISH:	4/16/97	7					
	« W	L	T D		1111011	W	T	D	CU YDS			
PIT1	20'	20'	2'	Pit 1		22'	22'	7'	74			
Pit 2	 	 	1	Pit 2			 	 	 			
Pit 3	·-		 	Pit 3			 	-	 			
	<u>.</u>	Pit 1 @ 3'	Pit 1 @ 5'	Pit 3 @			Pit 1 @ 7'	Pit 2 @	Pit 3 @			
	Center	2500+	220			Center	22.6	1 . 2	1 110			
ρ	NW Corner	2500+	200		P	NW Corner	44.5		-			
	NE Corner	2500+	325			NE Corner	36.3	 	 			
ь	SW Corner	2500+	325		D	SW Corner	21.2	+	<u> </u>			
	SE Corner	2500+	210		1	SE Corner	27.6	 	 			
NOTES	~				***************************************	02 0011101	27.0					
		RT EXCAVAT	ON ON PIT N	NO STAINING,	STRONG	ODOR	-	•				
		READINGS H		10 017 111110,	01110110	OBOIL:						
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5.77												
DATE:		4/16/97	T==	SOIL SAMPL								
************	8	Pit 1 @7'	Pit 2 @	Pit 3 @	_	IS RESULTS		PER LAB	ASSAIGAI			
_	Center	22.6			PIT	TPH	BETEX	WITNESS	DATE			
P	NW Corner	44.5	ļ		NO							
	NE_Corner	36.3			1	ND	ND	JEFF C.	4/19/97			
0	SW Corner	21.2	<u> </u>	ļ	2							
	SE Corner	27.6	<u> </u>		3							
				RE-SAMPLE	OR CELL	(S) SAMPLE						
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANALYS	IS RESULTS		PER LAB				
	Center				PIT	TPH	BETEX	WITNESS	DATE			
ρ	NW Corner				NO							
1	NE Corner				1							
D	SW Corner				2			1				
	CF 0	 	 	1		•		 				

RE-SAMPLE OR CELL(S) SAMPLE

PIT

NO

1

2

3

ANALYSIS RESULTS

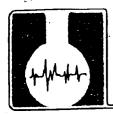
TPH

PER LAB

WITNESS

DATE

BETEX



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: April 23, 1997 13:42

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 304 N. BEHREND

FARMINGTON, NM 87401

WORKORDER # : 9704179

WORK ID : PIT REMEDIATION

CLIENT CODE : APA01 DATE RECEIVED : 04/17/97

ATTN: JEFF CROSS

Page:1

Lab ID: 9704179-01A

Sample ID: DIVIDE #1 PIT

Collected: 04/16/97 10:20:00

Matrix: SOIL

- · 1						
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE	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	0.0010 0.0010 0.0010 0.0020 0.0010	500 500 500 500 500	04/19/97 04/19/97 04/19/97 04/19/97 04/19/97	SBTXME154 SBTXME154 SBTXME154 SBTXME154 SBTXME154

Lab ID: 9704179-01B

Sample ID: DIVIDE #1 PIT

Collected: 04/16/97 10:20:00

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	04/19/97	SDRO22	

red L. Shore, Ph.D.

VP of Laboratory Operations



WORKORDER COMMENTS

DATE

: 04/23/97

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.

*** Analytical results reported pertain only to the samples provided ***

*** for analysis and may not represent actual field conditions. ***

*** This report is not to be reproduced except in full, without the
*** written approval of Assaigai Analytical Inc.

REPORT COMMENTS

Client Agache Corperation

Address 30 9 N Behrein

Chain of Custody Record

Project Manager / Contact JEFF CROSS

Telephone No. 505-77-643

3332 WEDGEWOOD 1910 N. BIG SPRING EL PASO, TEXAS 78925 (915) 532-6000 (915) 570-1116 7300 JEFFERSON, N.E. ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964

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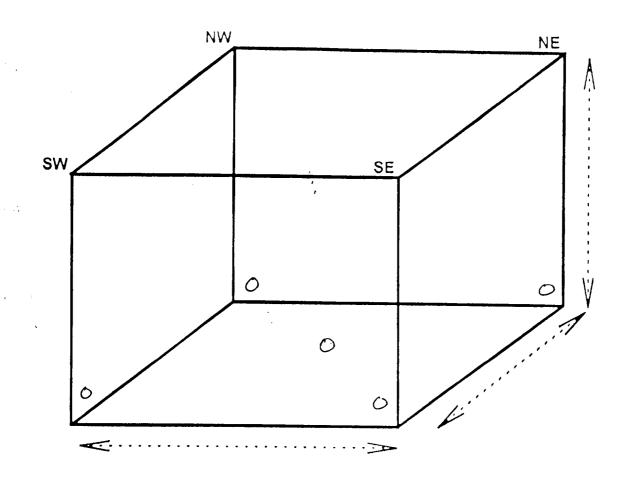
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After analysis, samples are to be

Method of Shipment:

Special Instructions: Shipment No.



,			= SAMPLE AREA						
WELL NAME		Divine #1							
SAMPLE DATE		4-16-97							
NOTES _	4 POINT COMPOSITE SAMPLE TAKEN 8" TO 10" INTO PIT								
	SIDEWALL								
	1 POINT GRAB SAMPLE TAKEN 10" TO 12" INTO BOTTOM CENTER								
_									
_									
_			***						
-									

M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE	DIVIDE # 1		_	
* AMOUNT OF SOIL UNDE	RGOING REMEDIATION	74	Yds.	
CELL No. 1		SampDATE 10/7/97	TPH ND	BTEX ND
DIMENSIONS(LxWxH)	38' X 38' X 18"			
CELL LOCATION (dir. from well h	head SOUTH			
* DATE BEGAN: 4/14/97				
DATE TERMINATED (TPH <5,00	00 ppm/BTEX< 50 ppm/Benzene < 10 ppm)	10/7/97	,	
CELL No. 2		SampDATE	TPH	BTEX
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well h	nead			
* DATE BEGAN:				
DATE TERMINATED (TPH <5,00	0 ppm/BTEX< 50 ppm/Benzene < 10 ppm)			
CELL No. 3		SampDATE	TPH	BTEX
DIMENSIONS(LxWxH)				
CELL LOCATION (dir. from well h	lead			
* DATE BEGAN:				
DATE TERMINATED (TPH <5,000	0 ppm/BTEX< 50 ppm/Benzene < 10 ppm)			•
REMEDIATION RECORD: (Date,	Treatment, Tilling)			
4/30/97 PLOW AND DISC SOIL.				
5/5/97 TREAT WITH 42-0-0 FERT 5/12/97 DISC SOIL.	ILIZER AND WATER SOIL.			
8/7/97 WATER AND DISC SOIL.				
9/15/97 DISC SOIL.				
10/7/97 TOOK SOIL SAMPLES.				

From excavation reports.



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:

October 20, 1997 16:32

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

SENT APACHE CORPORATION

TO: 2855 SOUTHSIDE RIVER RD STE AWORK ID

WORKORDER #

FARMINGTON, NM 87401-7947

: 9710111

: JICARILLA PIT CLOSURES

CLIENT CODE : APA01 DATE RECEIVED : 10/10/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9710111-01A

Sample ID: DIVIDE #1 CELL

Collected: 10/07/97 15:30:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE	BATCH_ID	
BTEX/SW846 8020A Benzene Toluenc 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	
Lab ID: 9710111-01B			Verification of the second				

Lab ID: 9710111-01B

Sample ID: DIVIDE #1 CELL

Collected: 10/07/97 15:30:00

Matrix: SOIL

	Matrix: SOIL						
TEST / METHOD Diesel Range OG Soil/M8015 Diesel Range OG in Soil	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID	
	ND	mg/Kg	25	25	10/18/97	SDR0059	

William P. Biava President



WORKORDER COMMENTS

DATE : 10/20/97

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

velloras: LABORATORY	Apack Corp. 2:45 Company Agal Company Agal Company Agal Company Agal Company Agal Resign Resi		X No or o		Project Manager / Contact Joff Cross 304 N. Behrend Telephone No. (505) 774-6643	
Disposed of (additional fee) Stored (30 days max) Stored over 30 days (additional fee) Returned to customer	OSE ARCENTODO CAUTA RUSTO DE 10 OCT. 9 Fronton CAUTA RUSTO DATE PARIS SAMPLES SE 10 DE:			Analysis Required	MELOWADES ALAMS 6411 LOCAL UNO CHUDAD JUAREZ. CHIHUAHUA MEXICO 32370	ALBIJQUE RGUE NEW MEXICO 87109 [505] 345-8964 3332 WEDGEWOOD EL PASO, TEXAS 79925 MIDLAND, TEXAS 79705 [915] 593-6000 1919 570-1116

. .. .___

NOTES: DIMENSIONS: SAMPLE DATE: ALL SAMPLES TAKEN 10" TO 12" INTO CELL 7.

WELL NAME: