3R – 054 - 01

PIT CLOSURE

05 / 15 / 1994

3R-054-01
30-045-20700
039

EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

DEPUTY OIL & GAS INSPECTOR

DEC 2 1 1998

RECEIVED
JUL 2 1999
OIL CON. DIV.
DIST. 3

VALENCIA CANYON #1
Meter/Line ID - 89058

SITE DETAILS

Legals - Twn: 28 **Rng:** 04 **Sec:** 23 **Unit:** M
NMOCD Hazard Ranking: 20 **Land Type:** 2 - Federal
Operator: AMOCO PRODUCTION COMPANY **Pit Closure Date:** 06/30/94

RATIONALE FOR RISK-BASED CLOSURE:

The above mentioned production pit was assessed and ranked according to the criteria in the New Mexico Conservation Division's Unlined Surface Impoundment Closure Guidelines.

The primary source, discharge to the pit, has been removed. There has been no discharge to the production pit for at least five years and the pit has been closed for at least three years.

The production pit has been remediated to the practical extent of the trackhoe or to the top of bedrock. Initial laboratory analysis has indicated that the soil remaining at the bottom of the excavation is above standards based on the hazard ranking score. Contaminated soil was removed and transported to an approved landfarm for disposal. The initial excavation was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching any residual hydrocarbons remaining in the soil. Therefore, further mobility of residual hydrocarbons is unlikely.

Since the soil samples from the initial excavation were above standards, a test boring was drilled and a sample was collected to evaluate the vertical extent of impact to soils. Test boring sample results indicated soils below standards beneath the original excavation.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- Discharge to the pit has not occurred in over five years and the pit has been closed for over three years.
- The bulk of the impacted soil was removed during the initial excavation.
- The excavation was backfilled with clean soil and graded to divert precipitation away from the excavation area.
- All source material has been removed from the ground surface, eliminating potential direct contact with livestock and the general public.
- Groundwater was not encountered in the initial excavation or test boring; therefore, impact to groundwater is unlikely.
- Soil samples collected beneath the initial excavation were below standards.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soil at the bottom of the initial excavation will naturally degrade in time with minimal risk to the environment.

16-N30-W

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 89058 Location: VALENCIA CANYON #1
Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD
Coordinates: Letter: M Section 23 Township: 28 Range: 4
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: X Line Drip: ___ Other: _____
Site Assessment Date: 5-15-94 Area: 10 Run: 62

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside ☒ (1)
Outside ☐ (2)

Land Type:
BLM ☐ (1)
State ☐ (2)
Fee ☐ (3)
Indian _____
FOREST ☒

Depth to Groundwater
Less Than 50 Feet (20 points) ☒ (1)
50 Ft. to 99 Ft (10 points) ☐ (2)
Greater Than 100 Ft (0 points) ☐ (3)

Wellhead Protection Area :
Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body
Less Than 200 Ft (20 points) ☐ (1)
200 Ft to 1000 Ft (10 points) ☐ (2)
Greater Than 1000 Ft (0 points) ☒ (3)
Name of Surface Water Body _____
(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)
Distance to Nearest Ephemeral Stream ☐ (1) < 100'(Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 20 **POINTS**

REMARKS

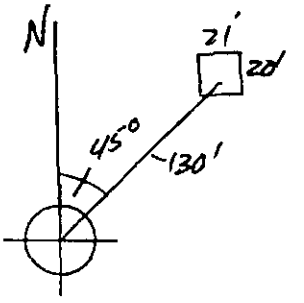
Remarks : TWO PITS ON LOCATION, ONE PIT TO CLOSE

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 45° Footage from Wellhead 130'

b) Length : 21 Width : 20 Depth : 3'



REMARKS

Remarks :

PHOTOGRAPHS AH-6 (19-22)

Completed By:

Signature

5-15-94

Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 89058 Location: Valencia Canyon Unit #1

Coordinates: Letter: M Section 23 Township: 28 Range: 9

Or Latitude _____ Longitude _____

Date Started : 6-30-94 Area: 10 Run: 62

FIELD OBSERVATIONS

Sample Number(s): KD123 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 536 ppm PID Reading Depth 12' Feet

Yes No

Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 70

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Soil Disposition:

Envirotech ☐ (1) ☒ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 6-30-94 Pit Closed By: BEI

REMARKS

Remarks : Excavated pit to 12', TOOK P.I.D Sample, Closed pit.

Signature of Specialist: Kerry Dean

(SP3181) 04/07/9

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD 123 RLB 7/26/95	945561
MTR CODE | SITE NAME:	~~89053~~ 89058	N/A
SAMPLE DATE | TIME (Hrs):	6-30-94	1000
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	7/7/94	7/7/94
DATE OF BTEX EXT. | ANAL.:	7/8/94	7/11/94
TYPE | DISCRIPTION:	YC	Brown Sand/Clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	4.5	MG/KG	50			
TOLUENE 200	~~2000~~ 1100	7/25/94 MG/KG	50			
ETHYL BENZENE	30	MG/KG	50			
TOTAL XYLENES	320	MG/KG	50			
TOTAL BTEX	555	MG/KG				
TPH (418.1)	3160	MG/KG			2.02	28
HEADSPACE PID	536	PPM				
PERCENT SOLIDS	82.4	%				

– TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 –

The Surrogate Recovery was at 180 % for this sample All QA/QC was acceptable.

Narrative:

Surrogate recovery was outside ATI QC limits due to matrix interference. ATI results attached.

DF = Dilution Factor Used

8/8/94

Test Method for
Oil and Grease and Petroleum Hydrocarbons
In Water and Soil

Perkin-Elmer Model 1600 FT-IR
Analysis Report

[illegible]

Sample Identification
#6384 [illegible]

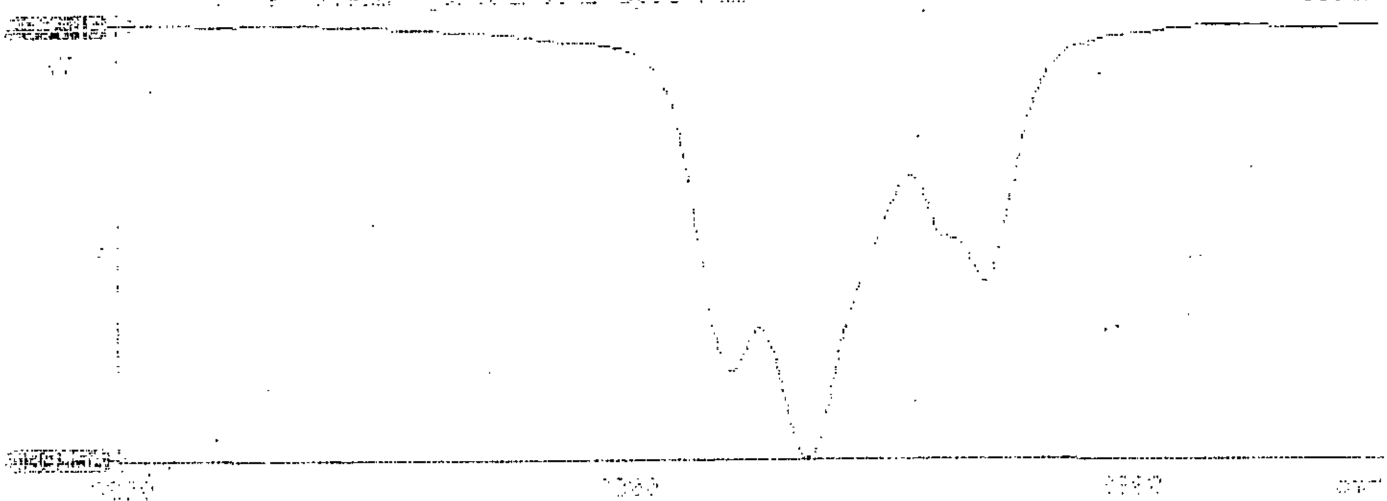
Initial mass of sample, g
1.000

Volume of sample after extraction, ml
28.000

Petroleum hydrocarbons, ppm
3156.847

Net absorbance of hydrocarbons (2930 cm-1)
0.400

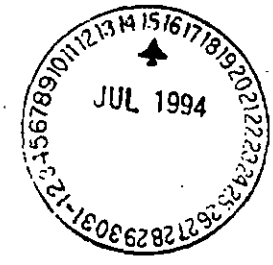
Petroleum Hydrocarbons Spectrum



Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **407327**



July 14, 1994

El Paso Natural Gas Company
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **07/08/94**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Due to background interference in the sample the MS/MSD values were evaluted just outside ATI Quality Control (QC) limits.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 407327
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	945561	NON-AQ	06/30/94	07/08/94	07/11/94	50
02	945562	NON-AQ	06/30/94	07/08/94	07/10/94	1
03	945563	NON-AQ	06/30/94	07/08/94	07/10/94	20

PARAMETER	UNITS	01	02	03
BENZENE	MG/KG	4.5	<0.025	2.4
TOLUENE	MG/KG	200	0.055	180
ETHYLBENZENE	MG/KG	30	<0.025	19
TOTAL XYLENES	MG/KG	320	0.49	270
SURROGATE:				
BROMOFLUOROBENZENE (%)		180*	112	218*

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

PHASE II

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 1

PHILIP ENVIRONMENTAL
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG PITS
Project Number 14509 Phase 6000 77
Project Location Valencia Canyon #1 89058

Elevation
Borehole Location QM - S23 - T28 - R4
GWL Depth
Logged By CM CHANCE
Drilled By K Padilla
Date/Time Started 11/2/95 - 1110
Date/Time Completed 11/2/95 - 1150

Well Logged By CM Chance
Personnel On-Site K Padilla, D. Charlie
Contractors On-Site
Client Personnel On-Site

Drilling Method 4 1/4" ID HSA
Air Monitoring Method PID, CGI

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM BZ	BH	HS	Drilling Conditions & Blow Counts
0										
5				CTNGS - Br sandy CLAY						
10				SAA						
15	1	15-17	1D	Br sandy CLAY, vfsand, soft, med plastic, d-y			0	0	0%	-1119
				TOB 17'						
20										
25										
30										
35										
40										

Comments: Former pit has tank pit & fence around tank. Will drill outside & downslope of fence. Pit was excavated to 13', so will collect 1st sample @ 15'. Drilled on W. side of pit ~ 5' from fence. CMC175 (15-17') sent to lab (BTEX, TPH). BH grouted to surface

Geologist Signature Cory Chance

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC 175	947732
MTR CODE | SITE NAME:	89058	Valencia Canyon #1
SAMPLE DATE | TIME (Hrs):	11-2-95	1119
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	11-6-95	
DATE OF BTEX EXT. | ANAL.:	11/6/95	11/6/95
TYPE | DESCRIPTION:	VG	DARK BROWN SAND & CLAY

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.5	MG/KG				
TOLUENE	< 0.5	MG/KG				
ETHYL BENZENE	< 0.5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	< 10	MG/KG			1.99	28
HEADSPACE PID	0	PPM				
PERCENT SOLIDS	87.1	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 104% for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: _____ Date: 11/8/95

```
**********************************************************
*                    Test Method for                     *
*      Oil and Grease and Petroleum Hydrocarbons         *
*                  in Water and Soil                     *
*                                                        *
*             Perkin-Elmer Model 1600 FT-IR              *
*                   Analysis Report                      *
**********************************************************
*
 95/11/06  15:11
*
*  Sample identification
 947732
*
*  Initial mass of sample, g
 1.990
*
*  Volume of sample after extraction, ml
 28.000
*
*  Petroleum hydrocarbons, ppm
 -16.874
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.008
*
*
*
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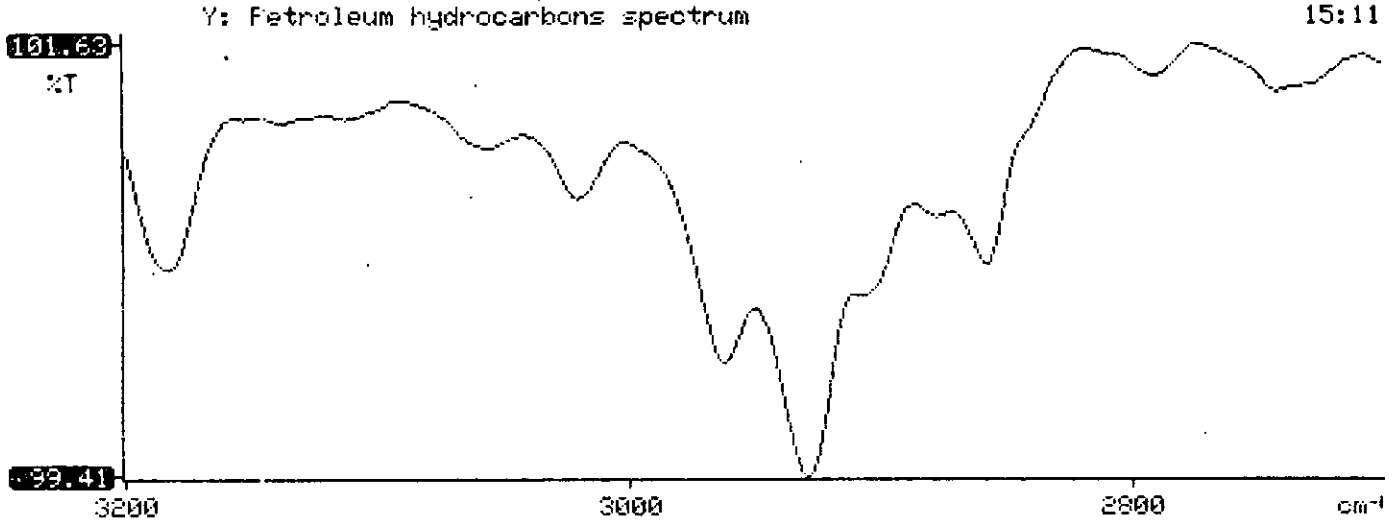


BTEX SOIL SAMPLE WORKSHEET

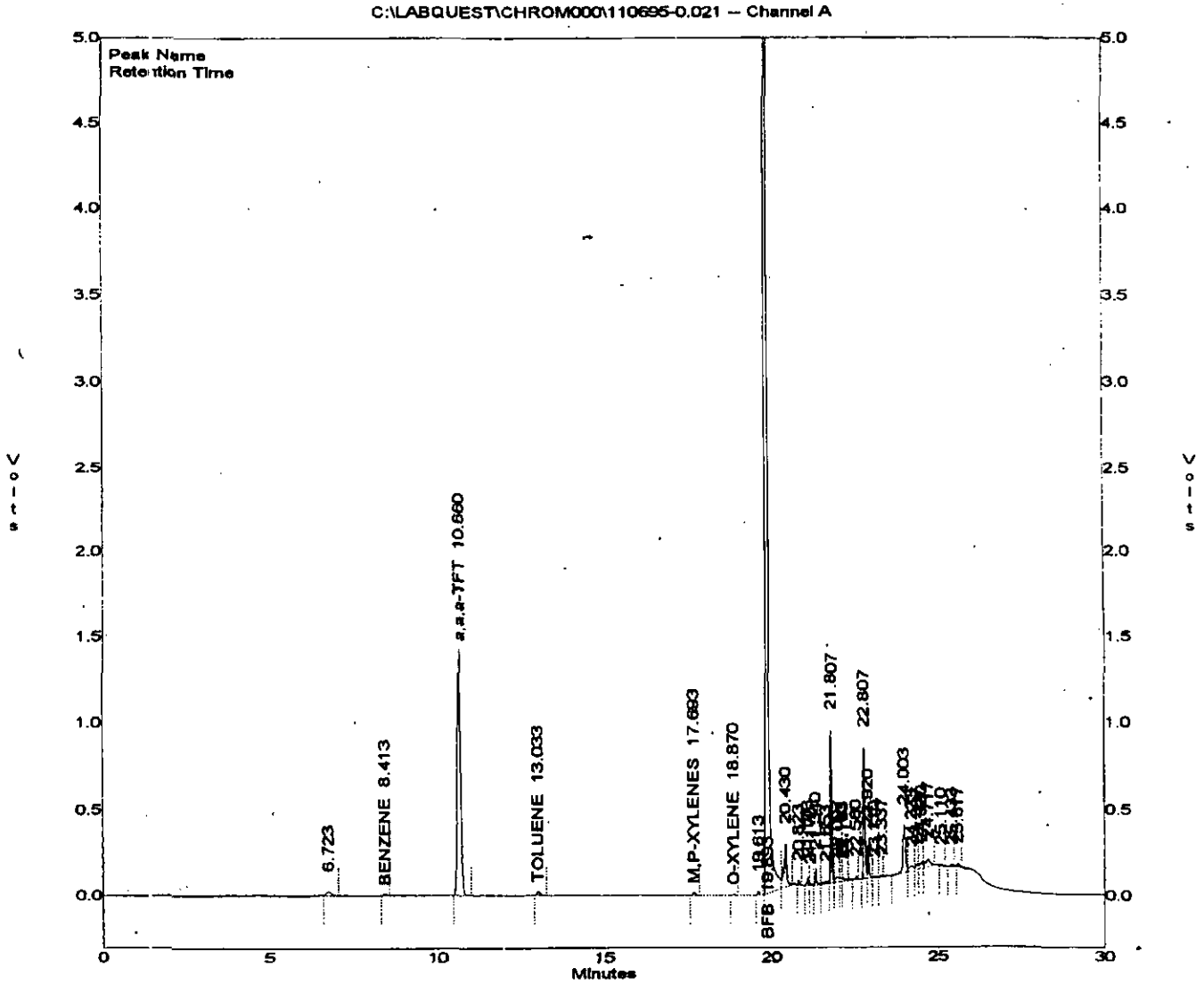
File	947732	**Date Printed**	11/7/95		
Soil Mass (g)	4.95	**Multiplier (L/g)**	0.00101		
Extraction vol. (mL)	10	**CAL FACTOR (Analytical):**	200		
Shot Volume (uL)	50	**CAL FACTOR (Report):**	0.20202		
		DILUTION FACTOR:	**1**	**Det. Limit**	
Benzene (ug/L)	0.12	**Benzene (mg/Kg):**	**0.024**	0.505	
Toluene (ug/L)	0.37	**Toluene (mg/Kg):**	**0.075**	0.505	
Ethylbenzene (ug/L)	0.00	**Ethylbenzene (mg/Kg):**	**0.000**	0.505	
p & m-xylene (ug/L)	0.23	p & m-xylene (mg/Kg):	0.046	1.010	
o-xylene (ug/L)	0.10	o-xylene (mg/Kg):	0.020	0.505	
		Total xylenes (mg/Kg):	**0.067**	1.515	
		Total BTEX (mg/Kg):	**0.166**		

EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM000\110695-0.021
Method : C:\LABQUEST\METHODS\0-110295.MET
Sample ID : 947732,4.95G,50U
Acquired : Nov 07, 1995 05:26:37
Printed : Nov 07, 1995 05:56:59
User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	8.413	58527	0.1200
a,a,a-TFT	10.660	9786233	109.1343
TOLUENE	13.033	200340	0.3715
ETHYLBENZENE	17.303	0	0.0000
M,P-XYLENES	17.693	123705	0.2262
O-XYLENE	18.870	45204	0.0994
BFB	19.893	54888368	103.8427



94419 CK

District I
P.O. Box 1980, Hobbs, NM
District II
P. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

RECEIVED
OCT - 4 1999
OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company **Telephone:** (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: Well Name: VCU #1

Location: Unit or Qtr/Qtr Sec M Sec 23 T28N R4W County Rio Arriba

Pit Type: Separator ___ Dehydrator ___ Other Blow

Land Type: BLM X, State ___, Fee ___, Other Unit Agmt.

Pit Location: (Attach diagram)
Pit dimensions: length 26', width 26', depth 8'
Reference: wellhead X, other ___
Footage from reference: 250'
Direction from reference: 0 Degrees ___ East ___ North of ✓ West ___ South

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)	0
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes (20 points) No (0 points)	0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)	0
	RANKING SCORE (TOTAL POINTS):	0

94419 BLOW PIT

Date Remediation Started: _____ **Date Completed:** 7/22/92

Remediation Method: (Check all appropriate sections) Excavation ✓ Approx. cubic yards 125

Landfarmed ___ Insitu Bioremediation ___

Other STOCKPILED

Remediation Location: (ie. landfarmed onsite, name and location of offsite facility) Onsite ✓ Offsite _____

General Description Of Remedial Action: Excavation

Ground Water Encountered: No ✓ Yes ___ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

NW

Sample depth 8' & 6' (PIT BOTTOM ~~WEST SIDEWALL~~) NW

Sample date 7/21/92 Sample time 1145

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 2.2

TPH 124 ppm

Ground Water Sample: Yes ___ No ✓ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 7/22/92

SIGNATURE B.D. Shaw

PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

94419

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

1645

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 1 of 1

LOCATION: LEASE: Valencia Canyon Unit WELL: No 1 QD: SW¼ SW¼ M
SEC: 23 TWP: 28N RNG: 4W BM: NM CNTY: RA ST: NM PIT: Blow
CONTRACTOR: JAuGhn Well Service
EQUIPMENT USED: LOADER

DATE STARTED: 7-21-92
DATE FINISHED: 7-21-92

ENVIRONMENTAL SPECIALIST: JW

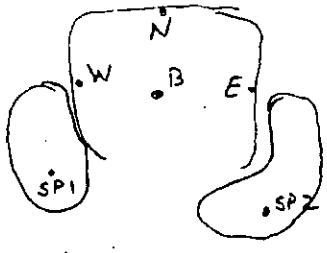
SOIL REMEDIATION: QUANTITY: 125 cy material
DISPOSAL FACILITY: On Site
LAND USE: Forest
SURFACE CONDITIONS: Earthen Pit

FIELD NOTES & REMARKS: Pit area and stock piles seem relatively clean. Pit is ready to back fill.

Pit is located approx. 250' west of well head

T.P.H from bottom of Pit

SCALE
0 FEET
PIT PERIMETER



SAMPLE RESULTS

SMPL No:	ANALYTICAL RESULTS
B	2.3 ppm
N	0.0 ppm
E	0.0 ppm
W	47.3 ppm
SP1	0.0 ppm
SP2	0.0 ppm

SCALE
0 FEET
PIT PROFILE

TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	AMOCO	Project #:	92140
Sample ID:	Bottom Pit	Date Reported:	07-22-92
Laboratory Number:	1992	Date Sampled:	07-21-92
Sample Matrix:	Soil	Date Received:	07-21-92
Preservative:	Cool	Date Analyzed:	07-22-92
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	124	5.0

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

ND - Parameter not detected at the stated detection limit.

Comments: Valencia Canyon Unit #1 Blow Pit 94419

Analyst

Review

1045

CHAIN OF CUSTODY RECORD

94419

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
Amoco 92140	Blow Pit Valencia Canyon Unit #1	
Sampler: (Signature) J. Walker	Chain of Custody Tape No.	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH						Remarks
Bottom Pit	7-21-92	16:45	1992	Soil	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
J. Walker	7-21-92	16:59		7-21-92	1659
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

CLIENT: AMOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: C4419
C.O.C. NO: _____

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: VCU WELL #: 1 PITS: BLOW
QUAD/UNIT: M SEC: 23 TWP: 28N RNG: 4W PM: NM CNTY: RA ST: NM
QTP/FOOTAGE: CONTRACTOR:

DATE STARTED: 11-18-97
DATE FINISHED: _____
ENVIRONMENTAL SPECIALIST: JCC

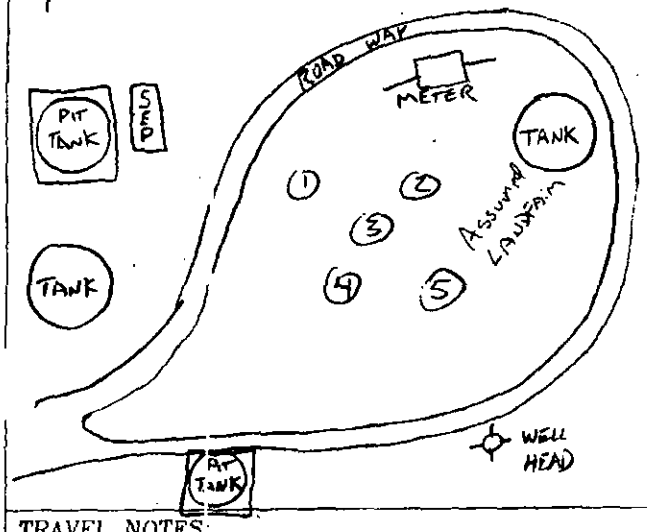
SOIL REMEDIATION:
REMEDIATION SYSTEM: STOCKPILE (LANDFARM) APPROX. CUBIC YARDAGE: 125
LAND USE: RANGE LIFT DEPTH (ft): _____

FIELD NOTES & REMARKS:
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1230	LF-1	1935	5.0	20.0	4X	7	28

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS

SCALE
0 FT

TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

BLAGG ENGINEERING, INC.
P.O. Box 87, Bloomfield, New Mexico 87413
Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	AMOCO	Project #:	
Sample ID:	Landfarm	Date Analyzed:	11-19-97
Project Location:	VCU # 1	Date Reported:	11-19-97
Laboratory Number:	TPH-1935	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	**28**	**20**

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
608	568	6.80

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Landfarm Composite Sample

J.C. Blagg
Analyst

Review

BLAGG ENGINEERING, INC.
P.O. Box 87, Bloomfield, New Mexico 87413
Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:	**********		
Client:	AMOCO	Project #:	
Sample ID:	Landfarm	Date Analyzed:	11-19-97
Project Location:	VCU # 1	Date Reported:	11-19-97
Laboratory Number:	TPH-1935	Sample Matrix:	Soil

Sample Weight:	5.00	grams
Volume Freon:	20.00	mL
Dilution Factor:	1	(unitless)
TPH Reading:	7	mg/kg

TPH Result:	28.0	mg/kg
Reported TPH Result:	28	mg/kg
Actual Detection Limit:	20.0	mg/kg
Reported Detection Limit:	20	mg/kg

QA/QC:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	608	568	6.80

Comments: **********Max Characters**********

Comments: Landfarm Composite Sample