EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

DEPUTY OIL & GAS INSPECTOR

DEC 2 3 1998

RECEIVED
JUL 2 1999
OIL CON. DIV.

BUNCE A FEDERAL #1A MV&CH
Meter/Line ID - 90302

SITE DETAILS

Legals - Twn: 29 **Rng:** 10 **Sec:** 19 **Unit:** A
NMOCD Hazard Ranking: 10 **Land Type:** 4 - Fee
Operator: TEXACO E&P INC **Pit Closure Date:** 05/05/94

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.

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 90302 / 90303 Location: BUNCE A FEDERAL # 1A MV, E CH

Operator #: 0263 Operator Name: TEXACO P/L District: BLOOMFIELD

Coordinates: Letter: A Section 19 Township: 29 Range: 10

Or Latitude _____ Longitude _____

Pit Type: Dehydrator ___ Location Drip: X Line Drip: ___ Other: _____

Site Visit Date: 4.13.94 Run: 10 81

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside Vulnerable Zone ☒
Outside ☐

Land Type:
BLM ☐
State ☐
Fee ☒
Indian _____

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

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? ☐ YES (20 points) ☒ NO (0 points)

Horizontal Distance to Surface Water Body
Less Than 200 Ft (20 points) ☐
200 Ft to 1000 Ft (10 points) ☒
Greater Than 1000 Ft (0 points) ☐
Name of Surface Water Body IRRIGATION DITCH
(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

TOTAL HAZARD RANKING SCORE: 10 **POINTS**

REMARKS

Remarks : ONLY PIT ON LOCATION. PIT IS OILY AND HAS A DRUM LYING IN THE CENTER OF IT. LOCATION IS UP ON TOP OF A HILL.

ORIGINAL PIT LOCATION

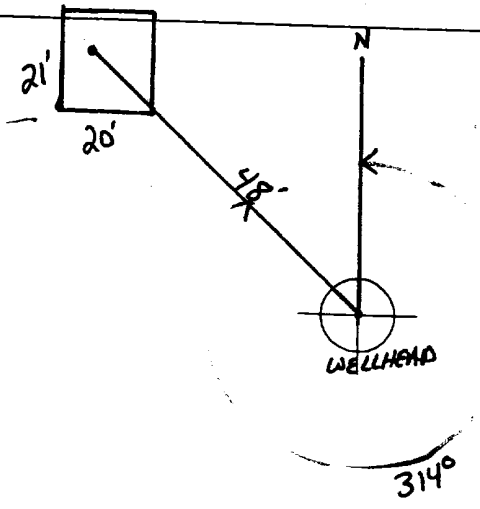
ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 314° Footage to Wellhead 48'

b) Degrees from North _____ Footage to Dogleg _____

Dogleg Name _____

c) Length : 21' Width : 20' Depth : 4'



REMARKS

Remarks :

STARTED TAKING PICTURES AT 10:29 A.M.

END DUMP

Completed By:

Robert Thompson
Signature

4.13.94
Date

(SP31908) 03/16/94

PHASE I
EXCAVATION

FIELD ... REMEDIATION/CLOSURE ORM

GENERAL

Meter: 90302 / 90303 Location: Bunce A Federal #1A

Coordinates: Letter: A Section 19 Township: 29 Range: 10

Or Latitude _____ Longitude _____

Date Started : 5-5-94 Area: 10 Run: 81

FIELD OBSERVATIONS

Sample Number(s): 945082 KD38 _____ _____ _____

Sample Depth: 8' Feet

Final PID Reading 402 ppm PID Reading Depth 8' Feet

Yes No

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

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 75

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Soil Disposition:

Envirotech ☐ (1) ☒ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 5-5-94 Pit Closed By: BEI

REMARKS

Remarks : Pit was a Combination Pit on a DUAL Location. Dug to Practical Extent - At 7½' Encountered Large Cobbles - At 8' Took Sample then closed pit. Location on top of hill.

Signature of Specialist: Kenny Ruvio

(SP3191) 04/07/94

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD38	945082
MTR CODE | SITE NAME:	90302 | 90303	N/A
SAMPLE DATE | TIME (Hrs):	5/5/94	1000
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	5/10/94	5/10/94
DATE OF BTEX EXT. | ANAL.:	5/13/94	5/14/94
TYPE | DESCRIPTION:	VC	Grey Clay

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.12	MG/KG	5			
TOLUENE	0.39	MG/KG	5			
ETHYL BENZENE	1.2	MG/KG	5			
TOTAL XYLENES	2.3	MG/KG	5			
TOTAL BTEX	4.0X 2nd 6/12/94	MG/KG				
TPH (418.1)	9620/9600	MG/KG			2.16	28
HEADSPACE PID	402	PPM				
PERCENT SOLIDS	83.3	%				

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

The Surrogate Recovery was at 70 % for this sample All QA/QC was acceptable.

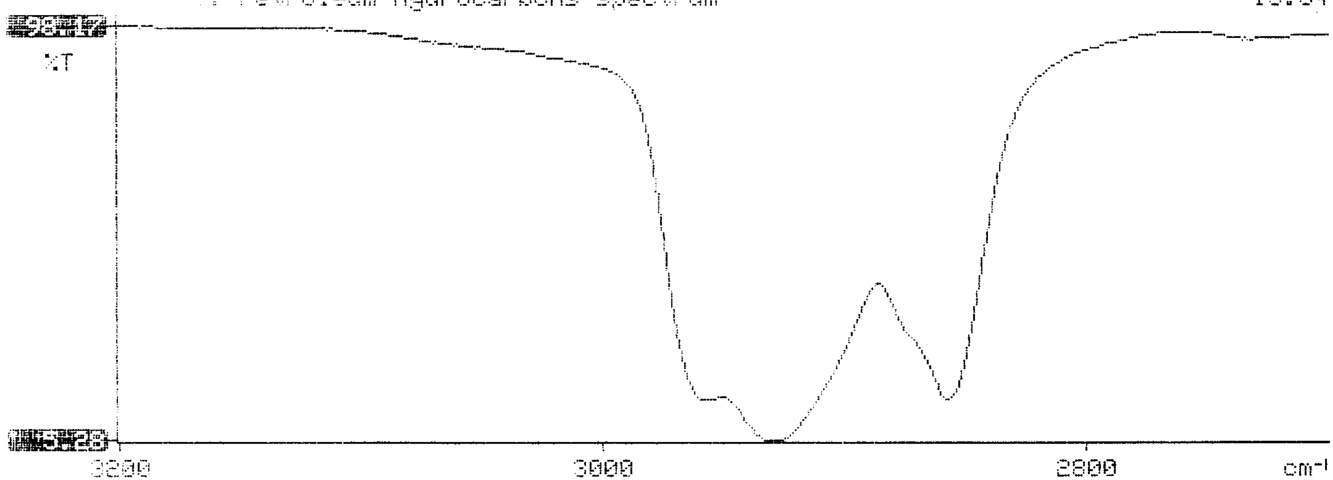
Narrative: ATI results attached. TPH rerun requested by EPA on 6/15/94. ATI Result attached.

DF = Dilution Factor Used

Approved By: _____ Date: 7/17/94

****
* Test Method for *
* Oil and Grease and Petroleum Hydrocarbons *
* in Water and Soil *
* *
* Perkin-Elmer Model 1600 FT-IR *
* Analysis Report *
****
*
94/05/10 13:04
*
* Sample identification
945082
*
* Initial mass of sample, g
2.160
*
* Volume of sample after extraction, ml
28.000
*
* Petroleum hydrocarbons, ppm
9616.092
* Net absorbance of hydrocarbons (2930 cm-1)
1.264
*
*
*

Y: Petroleum hydrocarbons spectrum 13:04



copy

Analytical Technologies, Inc.

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

ATI I.D. **405343**

May 27, 1994

El Paso Natural Gas Company
770 W. Navajo
Farmington, NM 87401

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **05/11/94**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous** and **non-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.

Client instructed ATI (verbally) to perform a TRPH (418.1) analysis on field ID 945100 (ATI ID 405343-24).

Client instructed ATI (verbally) to continue analysis on field ID 940831 (ATI ID 405343-25) past hold time, as received.

Client was informed that field ID 945085 (ATI ID 405343-01) was received with headspace. Samples were analyzed "as is."

This report is being reissued to correct sample ID's.

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:jd

Enclosure

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 405343

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
[redacted]	945082	NON-AQ	05/05/94	05/13/94	05/14/94	5
09	945083	NON-AQ	05/05/94	05/13/94	05/14/94	1
10	945084	NON-AQ	05/05/94	05/13/94	05/15/94	1

PARAMETER	UNITS	08	09	10
BENZENE	MG/KG	<0.12	<0.025	<0.025
TOLUENE	MG/KG	0.39	<0.025	0.052
ETHYLBENZENE	MG/KG	1.2	<0.025	<0.025
TOTAL XYLENES	MG/KG	2.3	<0.025	0.041
SURROGATE:				
BROMOFLUOROBENZENE (%)		70	89	97

FAX . . . FAX . . . FAX . . . FAX . . . FAX . . . FAX . . . FAX . . . FAX . . . FAX . . .

FROM:

Analytical **Technologies,** Inc.

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

___ Mitch Rubenstein
___ Letitia Krakowski
___ Terri Dettre
___ Beth Proffitt
___

Number of pages being sent: ____ (including this page)

TO:

Name : Stacy

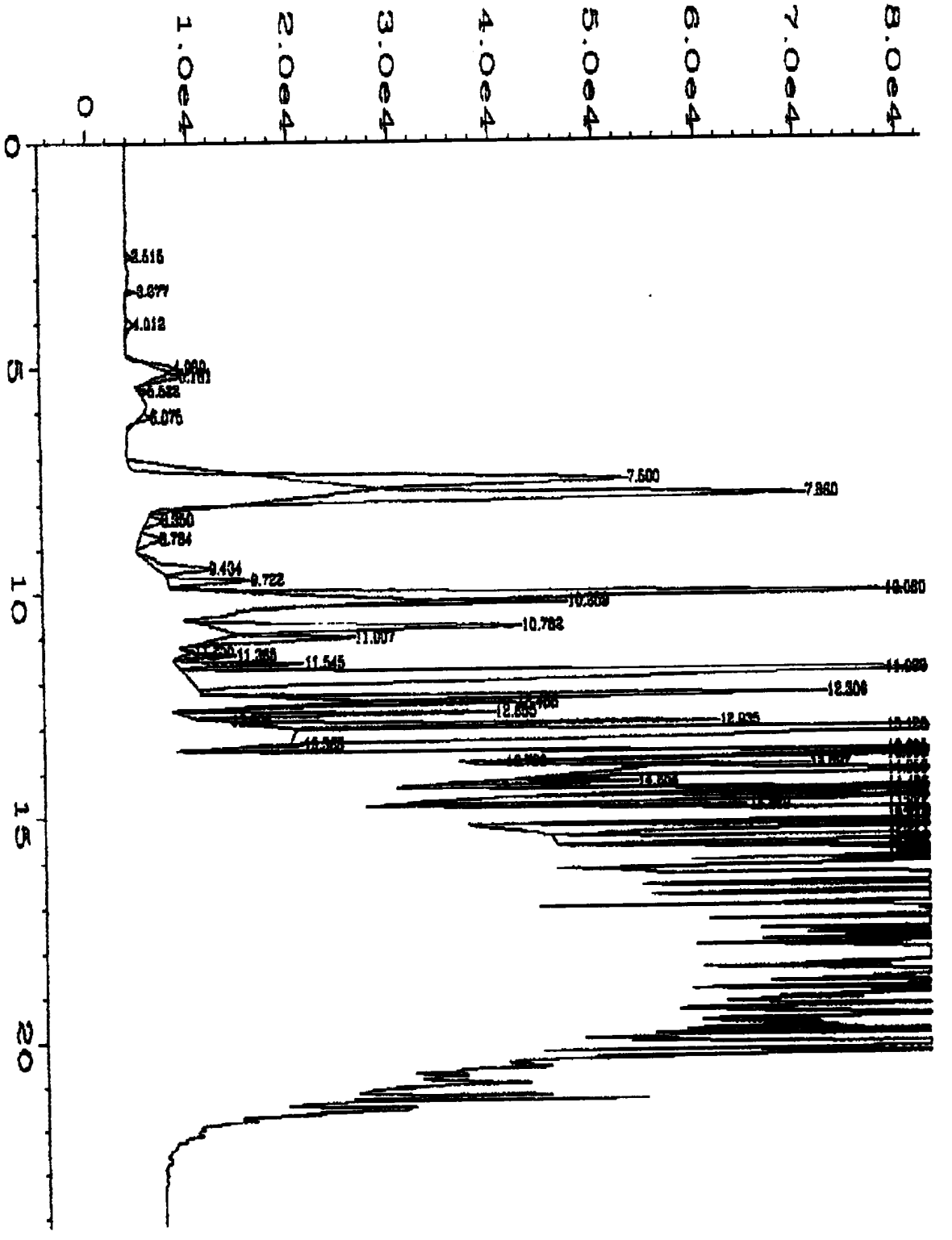
Company :

Phone # :

FAX # : 5997261

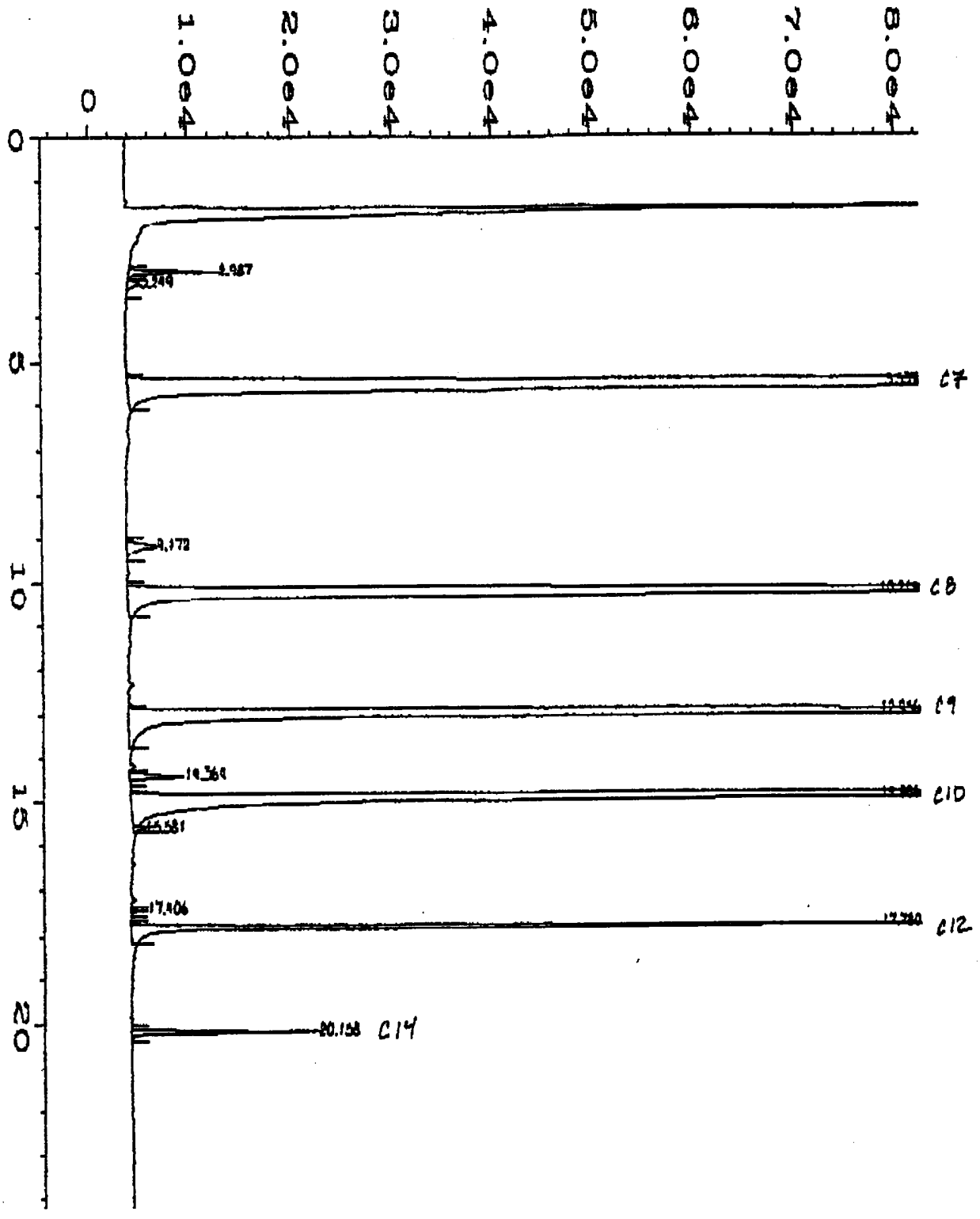
COMMENTS: Chio Pollen std

NOTE:
If any of these FAX copies are illegible or you do not receive the same number of pages as stated above, please contact us immediately.



Data File Name : C:\HPCHEM\2\DATA\14MAY94\011F0201.D
Operator : MNT
Instrument : GC#2 5890
Sample Name : 405348-08 #5
Run Time Bar Code:
Acquired on : 14 May 94 04:59 PM
Report Created on: 14 May 94 05:23 PM
Last Recalib on : 05 JAN 94 08:27 AM
Multiplier : 1

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 2
Instrument Method: SAVG0502.MTH
Analysis Method : SAVG0502.MTH
Sample Amount : 0
ISTD Amount : 100

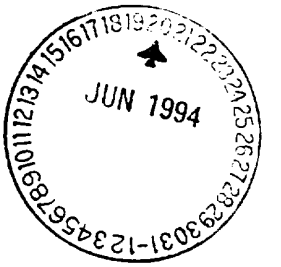


Data File Name	: C:\HPCHEM\2\DATA\14FEB94\007R0101.D		
Operator	: CFF	Page Number	: 1
Instrument	: GC#2 5890	Vial Number	: 7
Sample Name	: C6-C16 RT STD	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 14 Feb 94 04:54 PM	Instrument Method	: WAVG0128.MTH
Report Created on	: 14 Feb 94 05:19 PM	Analysis Method	: PEAKS.MTH
Sample Info	: C7,C8,C9,C10,C12,C14,C16 RT STD GC3-20-16		

Analytical **Technologies,** Inc.

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

ATI I.D. **406357**



June 17, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **05/11/94**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** sample(s). The sample(s) 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.

Sample 945082 (ATI #406357-01) was reaccessioned from ATI #405343-08. EPA Method 418.1 analysis was added for this sample on 06/15/94 per Stacy Sendler. The sample was analyzed past the recommended EPA holding time.

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:jd

Enclosure

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 406357
PROJECT #	: 24324	DATE RECEIVED	: 05/11/94
PROJECT NAME	: PIT CLOSURE	DATE ANALYZED	: 06/16/94

PARAMETER	UNITS	01
PETROLEUM HYDROCARBONS, IR	MG/KG	9600

EPNG Sample #945082

Verbal request - to verify EPNG TPH result.

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 Runce A Fed. #1A 90302/90307

Elevation
Borehole Location
GWL Depth
Logged By CM CHANCE
Drilled By ~~M DONOHUE~~ K. Padilla
Date/Time Started 6/9/95 - 0630
Date/Time Completed 6/9/95 - 0725

Well Logged By CM Chance
Personnel On-Site K. Padilla, F. Rivera, D. Tsalate
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	S HS	Drilling Conditions & Blow Counts
0				Backfill to 8'						
5										
										-Cobbles @ 8'
										-Drilling easier
10	1	10-12	4"	Br CLAY, soft-med stiff, high plastic sl moist			0	0	3/2	-0645 hr
	2	12-14	6"	Br CLAY, soft, high plast/cy sl moist + rxtln seams			0	0	0/1	-0654
15				TDB 14'						
20										
25										
30										
35										
40										

Comments: 12-14' sample (CMC 4b) sent to lab (BTEX, TPH) BH grouted to surface.
Clay layer appears to be confining layer

Geologist Signature

Phase II

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 #6	946888
MTR CODE | SITE NAME:	90302 / 90303	N/A
SAMPLE DATE | TIME (Hrs):	6.9.95	0654
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	6-13-95	6-13-95
DATE OF BTEX EXT. | ANAL.:	6-14-95	6-15-95
TYPE | DESCRIPTION:	VG	Brown clay

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG	1			
TOLUENE	<0.025	MG/KG	1			
ETHYL BENZENE	<0.025	MG/KG	1			
TOTAL XYLENES	<0.025	MG/KG	1			
TOTAL BTEX	<0.10	MG/KG				
TPH (418.1)	13.0	MG/KG			1.98	28
HEADSPACE PID	1	PPM				
PERCENT SOLIDS	78.5	%				

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

The Surrogate Recovery was at 86 % for this sample All QA/QC was acceptable.

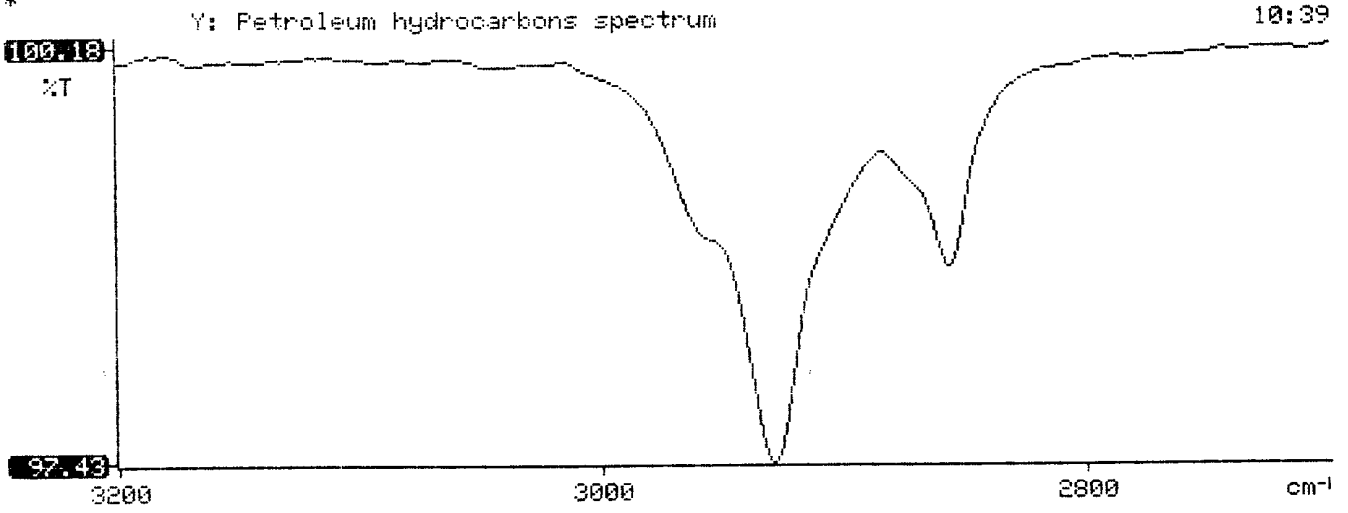
Narrative:

ATI Results attached.

DF = Dilution Factor Used

Approved By: _____ Date: 6/28/95

```
**********************************************************
*                    Test Method for                     *
*      Oil and Grease and Petroleum Hydrocarbons         *
*                    in Water and Soil                   *
*                                                        *
*             Perkin-Elmer Model 1600 FT-IR              *
*                    Analysis Report                     *
**********************************************************
*
 95/06/13  10:39
*
*  Sample identification
 946888
*
*  Initial mass of sample, g
 1.980
*
*  Volume of sample after extraction, ml
 28.000
*
*  Petroleum hydrocarbons, ppm
 12.952
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.012
*
*
*
```



Analytical Technologies, Inc.

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

ATI I.D. **506363**

June 19, 1995

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **06/14/95**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-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.

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

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure