DEC 2 1 1998

SAN JUAN 28-7 UNIT 226
Meter/Line ID - 89726

RECEIVED
JUL 1998

OIL CON. DIV.
DIST. 3

SITE DETAILS

Legals - Twn: 28 **Rng:** 07 **Sec:** 36 **Unit:** N
NMOCD Hazard Ranking: 40 **Land Type:** 2 - Federal
Operator: CONOCO - MESA OPERATING L **Pit Closure Date: 06/17/94**

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 ndicated soils below standards beneath the original excavation.

El Pasc 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.

J: 18954 rbc

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 89726 Location: San Juan 28-7 Unit 226
Operator #: 0203 Operator Name: Amoco P/L District: Blanco
Coordinates: Letter: N Section 36 Township: 28 Range: 7
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ✓ Location Drip: ___ Line Drip: ___ Other: _____
Site Assessment Date: 6/2/94 Area: 03 Run: 41

SITE ASSESSMENT

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

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

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 Carrizo Canyon
(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: 40 **POINTS**

REMARKS

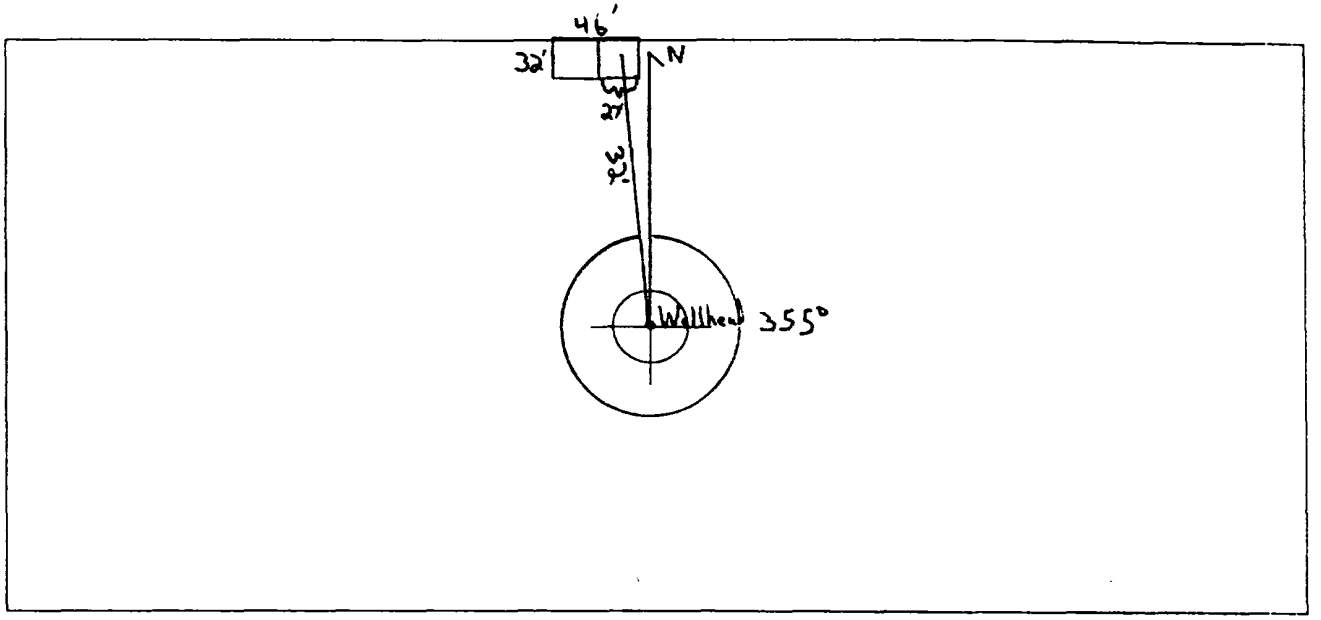
Remarks : Redline & Vuln - Inside
3 pits - Will close 1. Pit Dry
DIG & HAUL

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 355° Footage from Wellhead 32'

b) Length : 46' Width : 32' Depth : 5'



REMARKS

Remarks :

Pictures @ 1333 (5-)

End Dump

Bermed + Fenced area of pit is 46'x32'. Actual pit is 32'x27'x5'.

Completed By:

Cory Chase
Signature

6/2/94
Date

PHASE I
EXCAVATION

FIEL' PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 89726 Location: San Juan 28-7 Unit 226

Coordinates: Letter: N Section 36 Township: 28 Range: 7

Or Latitude _____ Longitude _____

Date Started : 6/17/94 Area: 03 Run: 41

FIELD OBSERVATIONS

Sample Number(s): 4P40 _____ _____ _____

Sample Depth: 12 Feet

Final PID Reading 743 ppm PID Reading Depth 12 Feet

Yes No

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

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 155

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Soil Disposition:

Envirotech ☐ (1) ☒ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 6/17/94 Pit Closed By: BEI

REMARKS

Remarks : Remediated pit to 12' took VC sample meter reading was 743 ppm @ 75° closed pit

Signature of Specialist: James L Thomas

(SP3191) 04/07/94

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:	JP40	945476
MTR CODE | SITE NAME:	89726	San Juan 28-7 Unit 266
SAMPLE DATE | TIME (Hrs):	17-Jun-94	1145
PROJECT:	Phase I Excavation	
DATE OF TPH EXT. ANAL.:	6/20/94	6/20/94
DATE OF BTEX EXT. ANAL.:	6/24/94	6/29/94
TYPE | DESCRIPTION:	VC	Grey/brown fine sand & clay

Field Remarks: Split

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.020	MG/KG				
TOLUENE	<0.020	MG/KG				
ETHYL BENZENE	<0.020	MG/KG				
TOTAL XYLENES	0.710	MG/KG				
TOTAL BTEX	1.30	MG/KG				
TPH (418.1)	1,560	MG/KG			2.19	28.0
HEADSPACE PID	743	PPM				
PERCENT SOLIDS	89.9	%				

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

The Surrogate Recovery was at 55.2 % for this sample All QA/QC was acceptable.

Narrative:

Surrogate recovery was outside EPNG QC limits due to matrix interference.

DF = Dilution Factor Used

Approved By: John Fowler

Date: Original - 7/17/94
Re-printed - 3/16/98

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

Perkin-Elmer Model 1600 FT-IR
Analysis Report

11:59

Sample Identification

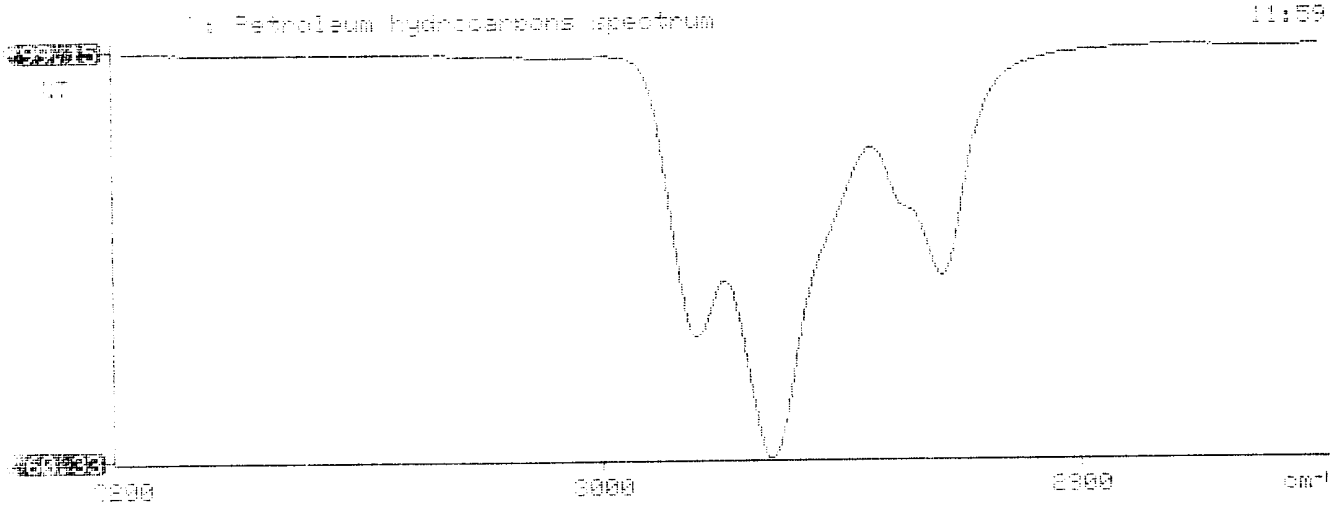
Initial mass of sample, g

Volume of sample after extraction, ml

Petroleum hydrocarbons, ppm

Net absorbance of hydrocarbons (2930 cm-1)

1. Petroleum hydrocarbons spectrum



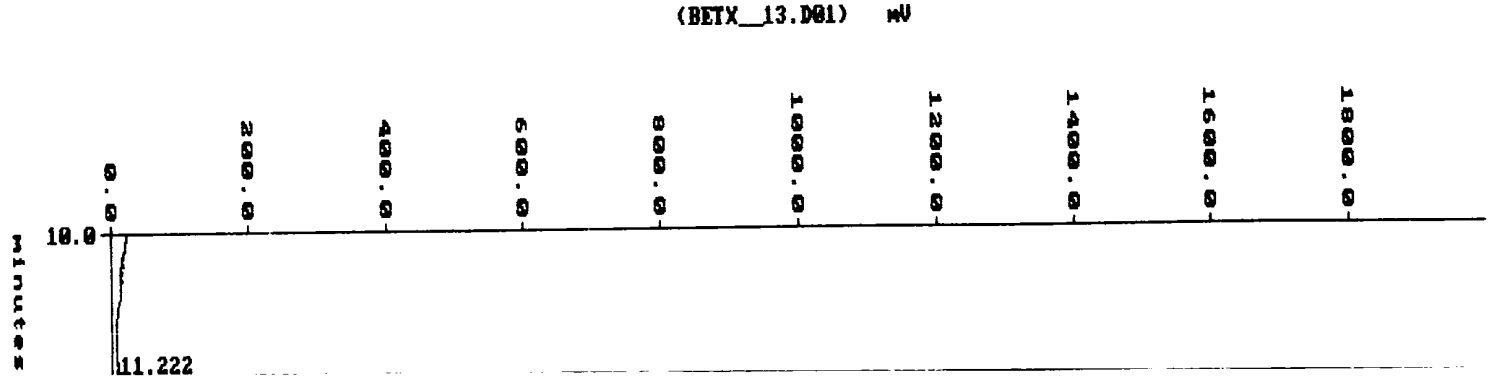
File : BETX__13.D01 945476 MTR 89726 John Lambdin
Run : 01 Type : Sample
Path : C:\CHROM
Collection : 10:09:38 Jun 29 1994 Meth(A): BETX [14:01:22 Jun 28 1994]
Integration: 10:09:38 Jun 29 1994 Meth(A): BETX [14:01:22 Jun 28 1994]
Report : 10:35:47 Jun 29 1994 Meth(A): BETX [14:01:22 Jun 28 1994]

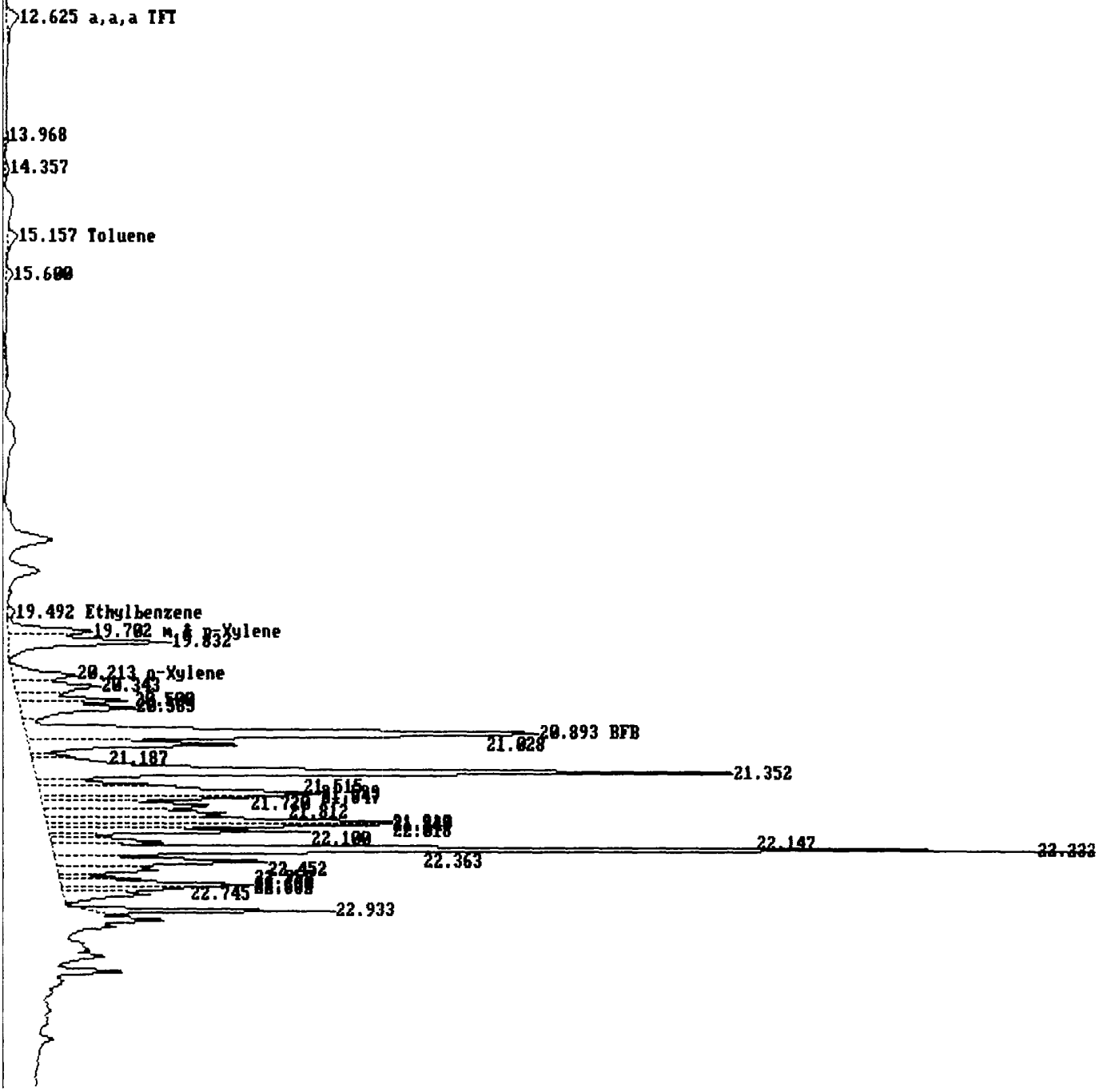
Sample Amt : 1.00000e+0 Dilution: 2.00000e+0

EXTERNAL STANDARD (AREA)

RT	Area	BC	ExpRT	RF	ug/L	Name
			10.263	8.44764e-6	< 5 ug/L	Benzene
11.222	31972			0.00000e+0	0.0000	Unknown
12.625	223911		12.625	1.29135e-4	57.8295	R a,a,a TFT
13.968	36266	V		0.00000e+0	0.0000	Unknown
14.357	39420			0.00000e+0	0.0000	Unknown
15.157	154361	V	15.146	1.39960e-5	< 5 4.3209	Toluene
15.600	94589			0.00000e+0	0.0000	Unknown
19.492	82588	T	19.411	9.93625e-6	< 5 1.6412	Ethylbenzene
19.701	821637	T	19.643	2.76660e-6	4.5463	m & p-Xylene
19.832	1670585	V		0.00000e+0	0.0000	Unknown
20.213	750987	T	20.216	8.83398e-6	13.2684	o-Xylene
20.343	1016648	T		0.00000e+0	0.0000	Unknown
20.500	759401	T		0.00000e+0	0.0000	Unknown
20.585	1308619	T		0.00000e+0	0.0000	Unknown
20.893	5892214	T	20.831	4.68444e-6	55.2034	BFB
21.028	1624325	T		0.00000e+0	0.0000	Unknown
21.186	248906	T		0.00000e+0	0.0000	Unknown
21.352	5710183	T		0.00000e+0	0.0000	Unknown
21.515	796962	T		0.00000e+0	0.0000	Unknown
21.593	2311625	T		0.00000e+0	0.0000	Unknown
21.647	1064703	T		0.00000e+0	0.0000	Unknown
21.720	1491403	T		0.00000e+0	0.0000	Unknown
21.811	1529454	T		0.00000e+0	0.0000	Unknown
21.910	2109810	T		0.00000e+0	0.0000	Unknown
21.945	1568824	T		0.00000e+0	0.0000	Unknown
22.018	1396874	T		0.00000e+0	0.0000	Unknown
22.100	258851	T		0.00000e+0	0.0000	Unknown
22.147	666632	T		0.00000e+0	0.0000	Unknown
22.232	6835708	T		0.00000e+0	0.0000	Unknown
22.363	1659965	T		0.00000e+0	0.0000	Unknown
22.451	724185	T		0.00000e+0	0.0000	Unknown
22.557	335453	T		0.00000e+0	0.0000	Unknown
22.630	1339044	T		0.00000e+0	0.0000	Unknown
22.682	535939	T		0.00000e+0	0.0000	Unknown
22.745	641038	V		0.00000e+0	0.0000	Unknown
22.933	1032750	T		0.00000e+0	0.0000	Unknown

7/11/94




12.625 a,a,a TFT
13.968
14.357
15.157 Toluene
15.600
19.492 Ethylbenzene
19.702 m,& p-Xylene
19.832
20.213 o-Xylene
20.343
20.509
20.589
20.893 BFB
21.028
21.187
21.352
21.515
21.720
21.812
21.949
22.100
22.147
22.333
22.363
22.452
22.745
22.933

Analytical **Technologies,** Inc.

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

ATI I.D. **406384**

June 30, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **06/21/94**, 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.

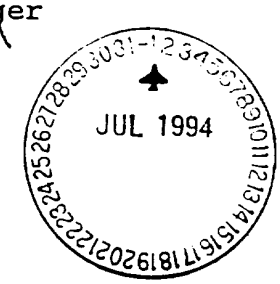
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure



Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS ATI I.D.: 406384
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	945476	NON-AQ	06/17/94	06/21/94	06/22/94	5

PARAMETER	UNITS	07
BENZENE	MG/KG	<0.12
TOLUENE	MG/KG	0.92
ETHYLBENZENE	MG/KG	0.54
TOTAL XYLENES	MG/KG	19
SURROGATE:		
BROMOFLUOROBENZENE (%)		60*

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

Split Sample

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: EL PASO NATURAL GAS	ATI I.D.	: 406384
PROJECT #	: 24324	DATE RECEIVED	: 06/21/94
PROJECT NAME	: PIT CLOSURE	DATE ANALYZED	: 06/29/94

PARAMETER	UNITS	07
PETROLEUM HYDROCARBONS, IR	MG/KG	1600

EPNG Sample # 945476

Split Sample

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 San Juan 28-7 Unit ~~22b~~ 89726

Elevation
Borehole Location QN- S36- T28- R7
GWL Depth
Logged By CM CHANCE
Drilled By K Padilla
Date/Time Started 9/11/95 -1045
Date/Time Completed 9/11/95 -1215

Well Logged By CM Chance
Personnel On-Site K Padilla, F. Rivera, 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	S HS	Drilling Conditions & Blow Counts
0				Backfill to 12'						
5										
10										
15	1	15-17	5"	Blk silty CLAY, v. soft, high plastic, dry, odo.			2	120	1147/232	-1053 hr
20	2	20-22	12"	AA			0	385	1227/1926	-1058
25	3	25-27	8"	Br silty CLAY, hard, nonplastic, dry			10	270	26/137	-1105
	4	27-29	7"	AA			0	225	5/301	-1127
30	5	30-32	8"	AA			0	241	27/34	-1142
				TDB 32'						
35										
40										

Comments: Drove 4th SS from 27-29 without advancing augers. CMC 117 (30-32') sent to lab (BTEX, TPH). BH grouted to surface. Sample bagged, diced prior to containerization.

Geologist Signature Cm 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:	CMC113	947442
MTR CODE | SITE NAME:	89726	San Juan 28-7 Unit 226
SAMPLE DATE | TIME (Hrs):	09-11-95	1142
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	9-12-95	
DATE OF BTEX EXT. | ANAL.:	9/12/95	9/15/95
TYPE | DESCRIPTION:	VG	Light grey sand & sand stone

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)	43.2	MG/KG			2.24	28
HEADSPACE PID	34	PPM				
PERCENT SOLIDS	91.2	%				

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

The Surrogate Recovery was at 100% for this sample. All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: _____ Date: 9-18-95

```
**********************************************************
*                    Test Method for                     *
*      Oil and Grease and Petroleum Hydrocarbons         *
*                   in Water and Soil                    *
*                                                        *
*              Perkin-Elmer Model 1600 FT-IR             *
*                    Analysis Report                     *
**********************************************************
*
 95/09/12  13:51
*
*  Sample identification
 947442
*
*  Initial mass of sample, g
 2.240
*
*  Volume of sample after extraction, ml
 28.000
*
*  Petroleum hydrocarbons, ppm
 43.158
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.016
*
*
*
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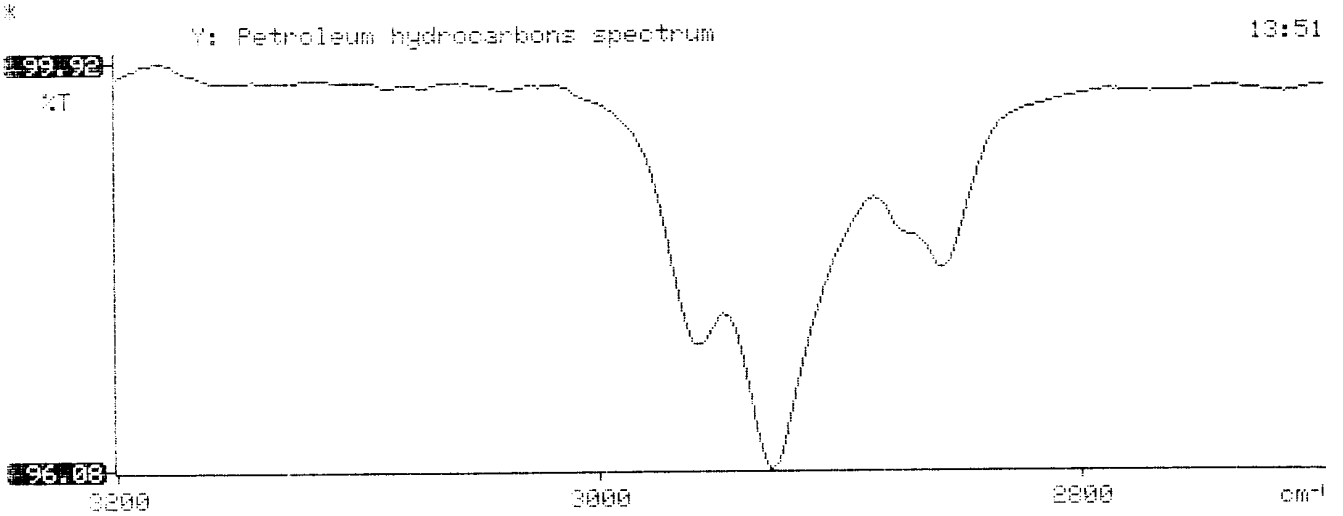

BTEX SOIL SAMPLE WORKSHEET

File	947442	**Date Printed**	9/15/95
Soil Mass (g)	4.95	**Multiplier (L/g)**	0.00101
Extraction vol. (mL)	20	**DF (Analytical)**	200
Shot Volume (uL)	100	**DF (Report)**	0.20202

				Det. Limit
Benzene (ug/L)	0.00	**Benzene (mg/Kg):**	**0.000**	0.505
Toluene (ug/L)	0.83	**Toluene (mg/Kg):**	**0.168**	0.505
Ethylbenzene (ug/L)	0.00	**Ethylbenzene (mg/Kg):**	**0.000**	0.505
p & m-xylene (ug/L)	5.08	p & m-xylene (mg/Kg):	1.026	1.010
o-xylene (ug/L)	0.80	o-xylene (mg/Kg):	0.162	0.505
		Total xylenes (mg/Kg):	**1.188**	1.515
		Total BTEX (mg/Kg):	**1.356**	

EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\091595-1.006
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : 947442,4.95G,100U
Acquired : Sep 15, 1995 12:43:05
Printed : Sep 15, 1995 13:09:25
User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.490	0	0.0000
a,a,a TFT	4.927	4045055	117.1363
TOLUENE	6.763	150579	0.8284
ETHYLBENZENE	10.513	0	0.0000
M & P XYLENE	10.890	1126079	5.0838
O XYLENE	11.957	125010	0.8020
BFB	13.437	59632764	99.5120