Penny
DEPUTY OIL & GAS INSPECTOR

DEC 21 1998

Approved

EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

RECEIVED
JUL 2 1998
OIL CON. DIV.

WALKER COM #2A
Meter/Line ID - 89821

SITE DETAILS

Legals - Twn: 31 **Rng:** 09 **Sec:** 32 **Unit:** O
NMOCD Hazard Ranking: 30 **Land Type:** 2 - Federal
Operator: CONOCO - MESA OPERATING L **Pit Closure Date: 02/27/95**

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: 89821 Location: WALKER COM # 2-A
Operator #: 0203 Operator Name: Amoco P/L District: AZTEC
Coordinates: Letter: O Section 32 Township: 31 Range: 9
Or Latitude _____ Longitude _____
Pit Type: Dehydrator X Location Drip: ___ Line Drip: ___ Other: _____
Site Assessment Date: 2-8-95 Area: 04 Run: 92

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 ALAMO 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: 30 **POINTS**

REMARKS

Remarks : REDLINE & TOPO SHOW LOCATION INSIDE V.2. THREE PITS ON LOCATION. DEHY PIT BELONGS TO EPNG. WILL CLOSE PIT. DEHY HAS NOT YET BEEN REMOVED FROM AT.

DIG & HAUL

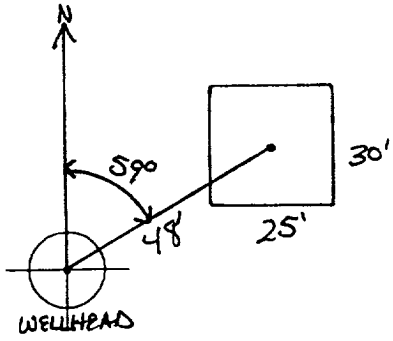
(SP3190) 04/08/94

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 59° Footage from Wellhead 48'

b) Length : 30' Width : 25' Depth : 3'



REMARKS

Remarks :

PHOTOS- 1118

Completed By:

Robert Thompson

Signature

2.8.95

Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 89821 Location: Walker com # 2-A

Coordinates: Letter: O Section 32 Township: 31 Range: 9

Or Latitude _____ Longitude _____

Date Started : 2-24-95 Run: 04 92

FIELD OBSERVATIONS

Sample Number(s): MK403 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 3 PPM PID Reading Depth 12' Feet

	Yes	No
Groundwater Encountered	☐	☒

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation ☒ Approx. Cubic Yards 200

Onsite Bioremediation ☐

Backfill Pit Without Excavation ☐

Soil Disposition:

Envirotech ☐ ☒ Tierra

Other Facility ☐ Name: _____

Pit Closure Date: 2-27-95 Pit Closed By: BEI

REMARKS

Remarks : Arrived pit had about 6" of water & oil on Top Soil Gray Strong Hydrocarbon odor Side wall cleaned up soil on bottom brown No Hydro carbon odor

Signature of Specialist: Morgan Killion

(SP3191) 03/16/94

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:	MK 403	9406707
MTR CODE | SITE NAME:	89821	N/A
SAMPLE DATE | TIME (Hrs):	2-27-95	1035
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	2-28-95	2-28-95
DATE OF BTEX EXT. | ANAL.:	2/28/95	3/2/95
TYPE | DESCRIPTION:	VC	Dark brown sand & Clay

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<1.01	MG/KG	0.20202		4.95	20
TOLUENE	<1.01	MG/KG				
ETHYL BENZENE	<1.01	MG/KG				
TOTAL XYLENES	<3.03	MG/KG				
TOTAL BTEX	<6.06	MG/KG				
TPH (418.1)	252	MG/KG			2.03	28
HEADSPACE PID	3	PPM				
PERCENT SOLIDS	90.8	%				

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

The Surrogate Recovery was at 79.8 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: JR Date: 3-20-95

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

Perkin-Elmer Model 1600 FT-IR
Analysis Report

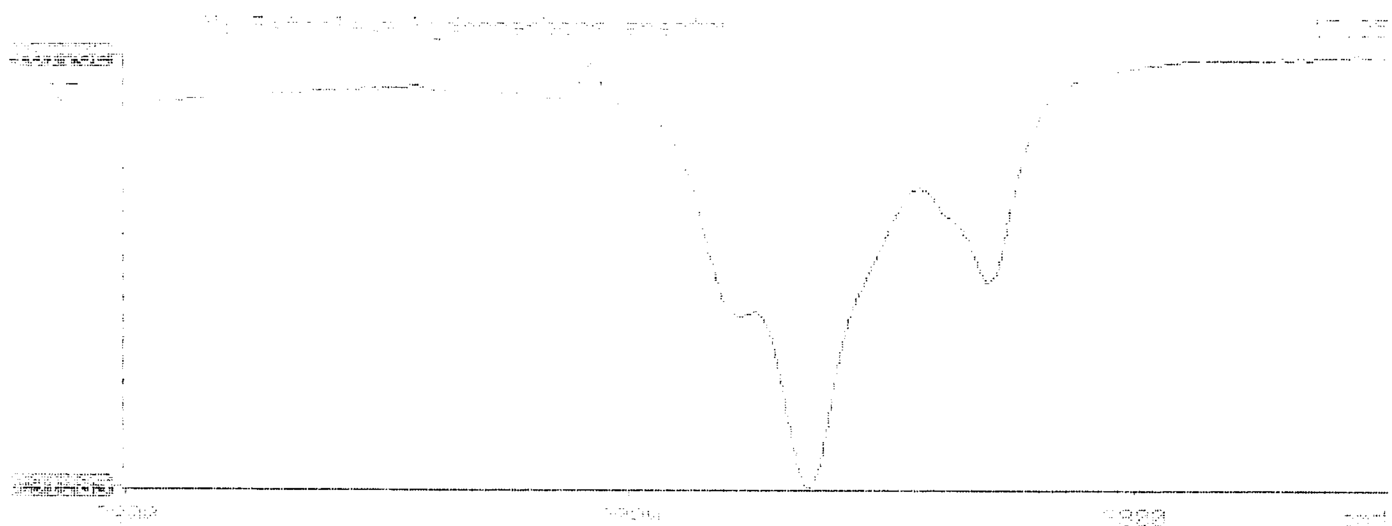
[illegible] 17:05

Sample Identification
[illegible]

Initial mass of sample, g
[illegible]

Volume of sample after extraction, ml
[illegible]

Petroleum hydrocarbons, ppm
[illegible]
Net absorbance of hydrocarbons (2930 cm-1)
[illegible]



BTEX SOIL SAMPLE WORKSHEET

File	946707A	**Date Printed**	3/7/95		
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		

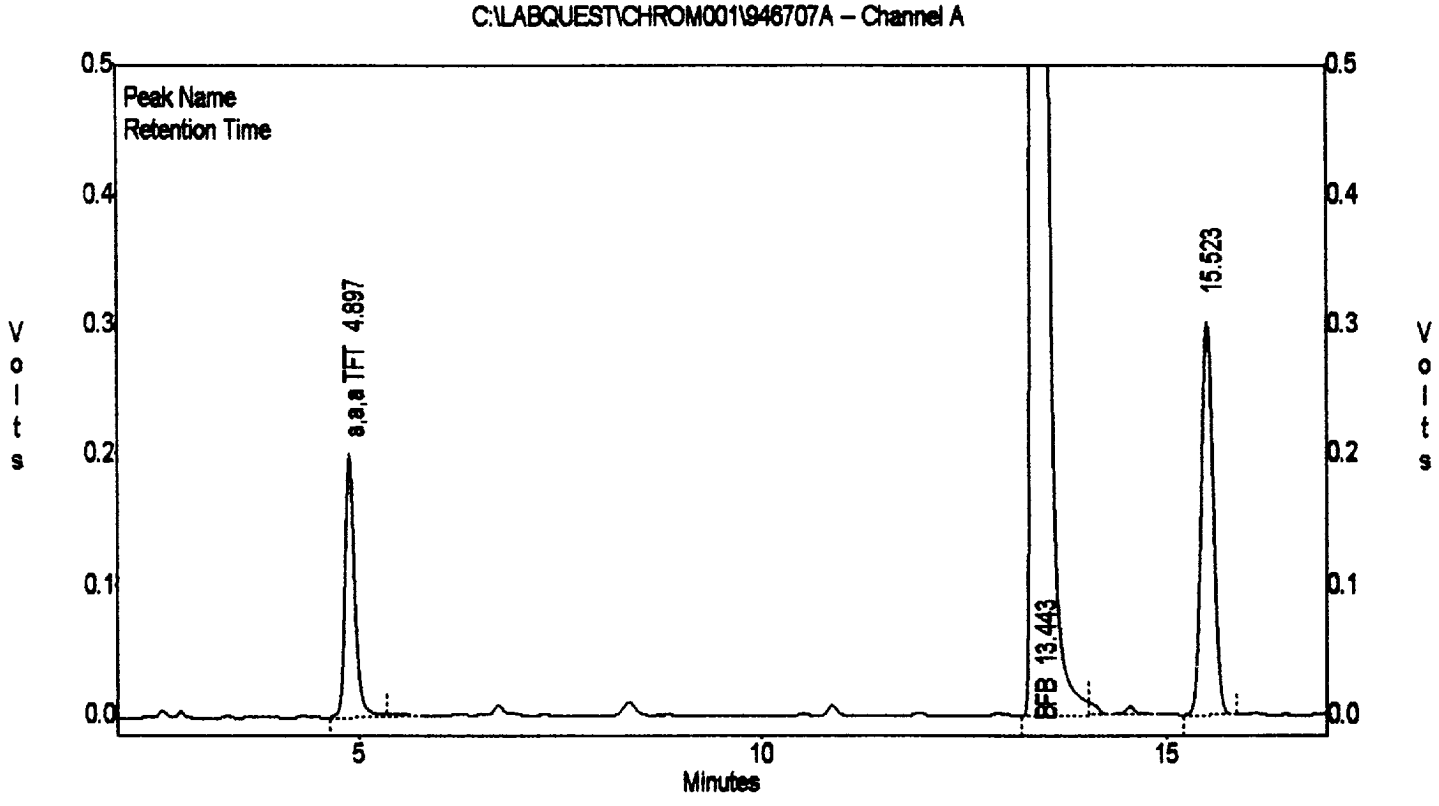
				Det. Limit
Benzene (ug/L)	0.00	**Benzene (mg/Kg):**	**0.000**	1.010
Toluene (ug/L)	0.00	**Toluene (mg/Kg):**	**0.000**	1.010
Ethylbenzene (ug/L)	0.00	**Ethylbenzene (mg/Kg):**	**0.000**	1.010
p & m-xylene (ug/L)	0.00	p & m-xylene (mg/Kg):	0.000	2.020
o-xylene (ug/L)	0.00	o-xylene (mg/Kg):	0.000	1.010
		Total xylenes (mg/Kg):	**0.000**	3.030
		Total BTEX (mg/Kg):	**0.000**	

EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\946707A
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : 946707,4.95/100uL
Acquired : Mar 03, 1995 04:21:37
Printed : Mar 03, 1995 04:47:52
User : Tony

Channel A Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	3.393	0	0.00000	0.0000
a,a,a TFT	4.897	1685450	20732.91797	80.5536
TOLUENE	6.740	0	0.00000	0.0000
ETHYLBENZENE	10.527	0	0.00000	0.0000
M & P XYLENE	10.880	0	0.00000	0.0000
O XYLENE	11.940	0	0.00000	0.0000
BFB	13.443	66163228	825330.37500	79.8053
Totals :		67848680		160.3588



EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

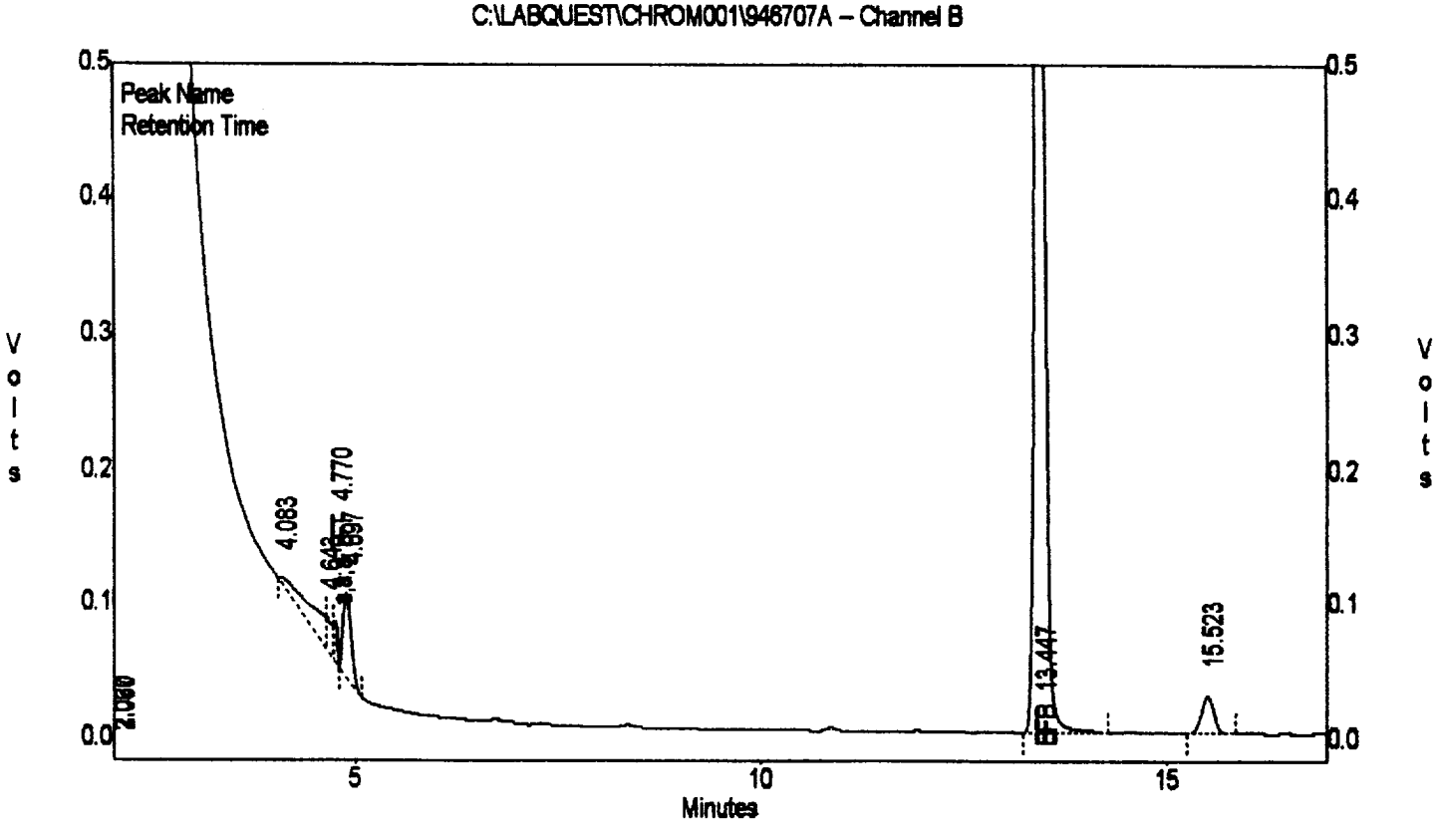
File : C:\LABQUEST\CHROM001\946707A
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : 946707,4.95/100uL
Acquired : Mar 03, 1995 04:21:37
Printed : Mar 03, 1995 04:47:57
User : Tony

Channel B Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	3.390	0	0.00000	0.0000
a,a,a TFT	4.770	86293	6878.05664	11.8120
TOLUENE	6.743	0	0.00000	0.0000
ETHYLBENZENE	10.527	0	0.00000	0.0000
M & P XYLENE	10.883	0	0.00000	0.0000
O XYLENE	11.940	0	0.00000	0.0000
BFB	13.447	7797330	79386.75781	97.5360

Totals :

7883623		109.3480



PHASE II

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH #1
Well #
Page 1 of 1

Philip Environmental Services Corp.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG Pits
Project Number 14509 Phase ~~601~~ 6000
Project Location Walker Com # 2-A 89821

Elevation
Borehole Location T31R9532Ø
GWL Depth
Logged By ~~S.Kelly~~ J. Kindley
Drilled By M. Donahue
Date/Time Started 08/01/95 1455
Date/Time Completed 08/01/95 1600

Well Logged By ~~S.Kelly~~ J. Kindley
Personnel On-Site M. Donahue, J O'Keife, A.Ga
Contractors On-Site
Client Personnel On-Site
Drilling Method 4 1/4" I.D. HSA
Air Monitoring Method CGI, PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU BZ	BH	S/HS	Drilling Conditions & Blow Counts
0				Backfill to 12'						
5										
10										
15										
20	1	18'-20'		SAND, brown, coarse grain, loose moist					0/0.9	1515
				Boring terminated at 20'						
25										
30										
35										
40										

Comments: 18' to 20' sample (SEK 49) sent to lab (BTEX + TPH). Sample collected and placed directly in jar and stored on ice at 4°C. BH grouted to surface.

Geologist Signature Jeffrey Kindley

El Paso Natural Gas Company

Phase II Drilling
Walker Com #2-A
(48-20')

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

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	SEK49	947133
MTR CODE | SITE NAME:	89821	N/A
SAMPLE DATE | TIME (Hrs):	08/01/95	15:15
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	8-2-95	8-2-95
DATE OF BTEX EXT. | ANAL.:	8-4-95	8-5-95
TYPE | DESCRIPTION:	VG	Brown Clay & Sand

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)	66.1	MG/KG			2.10	28
HEADSPACE PID	0	PPM				
PERCENT SOLIDS	91.5	%				

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

The Surrogate Recovery was at 95 % for this sample All QA/QC was acceptable.

Narrative: ATI Results attached.

DF = Dilution Factor Used

Approved By: _____ Date: 8/22/95

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**********************************************************
*                    Test Method for                     *
*      Oil and Grease and Petroleum Hydrocarbons         *
*                  in Water and Soil                     *
*                                                        *
*             Perkin-Elmer Model 1600 FT-IR              *
*                    Analysis Report                     *
**********************************************************
*
 95/08/02  15:14
*
*  Sample identification
 947133
*
*  Initial mass of sample, g
 2.100
*
*  Volume of sample after extraction, ml
 28.000
*
*  Petroleum hydrocarbons, ppm
 66.140
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.019
*
*
*
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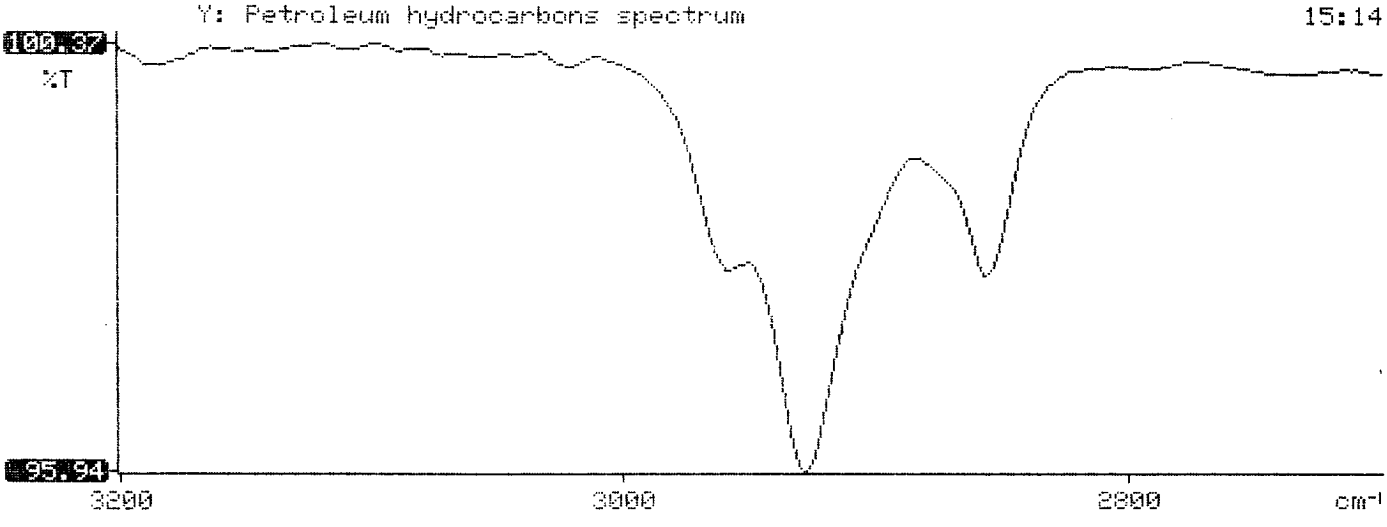


Analytical **Technologies,** Inc.

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

ATI I.D. **508327**

August 7, 1995

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

Project Name/Number: PIT CLOSURE/PHASE II DRILLING 24324

Attention: John Lambdin

On **08/04/95**, 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.

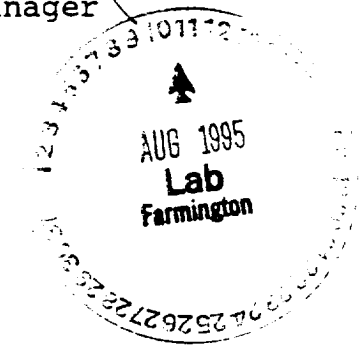
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 508327

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE/PHASE II

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	947133	NON-AQ	08/01/95	08/04/95	08/05/95	1

PARAMETER	UNITS	07
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.025

SURROGATE:

BROMOFLUOROBENZENE (%)	95