Penny
DEPUTY OIL & GAS INSPECTOR

DEC 2 1 1998

EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

RECEIVED
JUL 2 1999

FEDERAL E #1
Meter/Line ID - 87396

SITE DETAILS

Legals - Twn: 27 **Rng:** 08 **Sec:** 25 **Unit:** M
NMOCD Hazard Ranking: 40 **Land Type:** 2 - Federal
Operator: BLEDSOE PETRO CORP **Pit Closure Date: 07/28/94**

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.

J: 18954\rbc

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 87396 Location: Federal E #1
Operator #: 0748 Operator Name: Bledsoe Petro Corp P/L District: Ballard
Coordinates: Letter: M Section 25 Township: 27 Range: 8
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: ✓ Line Drip: ___ Other: _____
Site Assessment Date: 6/13/94 Area: 07 Run: 51

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 Largo 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 : RedlineBook – Inside / Vulerable Zone Topo – Inside
2 pits. Closed. Pit dry

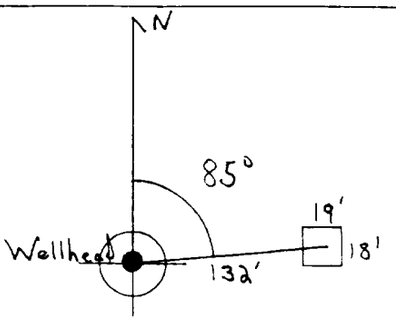
D16+HAV1

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 85° Footage from Wellhead 132'

b) Length : 19' Width : 18' Depth : 3'



REMARKS

Remarks :

Pictures @ 1214 (1-4) roll 5

Dump Truck

Completed By:

Signature

6/13/94

Date

PHASE I
EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 87396 Location: Federal E #1

Coordinates: Letter: M Section 25 Township: 27 Range: 8

Or Latitude _____ Longitude _____

Date Started : 7/27/94 Run: 07 51

FIELD OBSERVATIONS

Sample Number(s): KD 170 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 389 ppm PID Reading Depth 12' Feet

	Yes	No
Groundwater Encountered	☐	☒

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

- Excavation ☒ Approx. Cubic Yards 50
- Onsite Bioremediation ☐
- Backfill Pit Without Excavation ☐

Soil Disposition:

- Envirotech ☒ ☐ Tierra
- Other Facility ☐ Name: _____

Pit Closure Date: 7/28/94 Pit Closed By: BEI

REMARKS

Remarks : Excavated pit to 12', Took PID Sample, Closed pit.

Signature of Specialist: [signature]

(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:	KD170	945781
MTR CODE | SITE NAME:	87396	Federal E #1
SAMPLE DATE | TIME (Hrs):	28-Jul-94	915
PROJECT:	Phase I Excavation	
DATE OF TPH EXT. | ANAL.:	8/2/94	8/2/94
DATE OF BTEX EXT. | ANAL.:	8/3/94	8/3/94
TYPE | DESCRIPTION:	VC	Brown/Grey Clay/Sand

Field Remarks: Split

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	0.89	MG/KG				
TOLUENE	22.4	MG/KG				
ETHYL BENZENE	6.76	MG/KG				
TOTAL XYLENES	124	MG/KG				
TOTAL BTEX	154	MG/KG				
TPH (418.1)	2,810	MG/KG			2.04	28.0
HEADSPACE PID	389	PPM				
PERCENT SOLIDS	92.3	%				

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

The Surrogate Recovery was at 116.0 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: John Fletcher

Date: Original: 9/2/94 Re-printed: 3/16/98

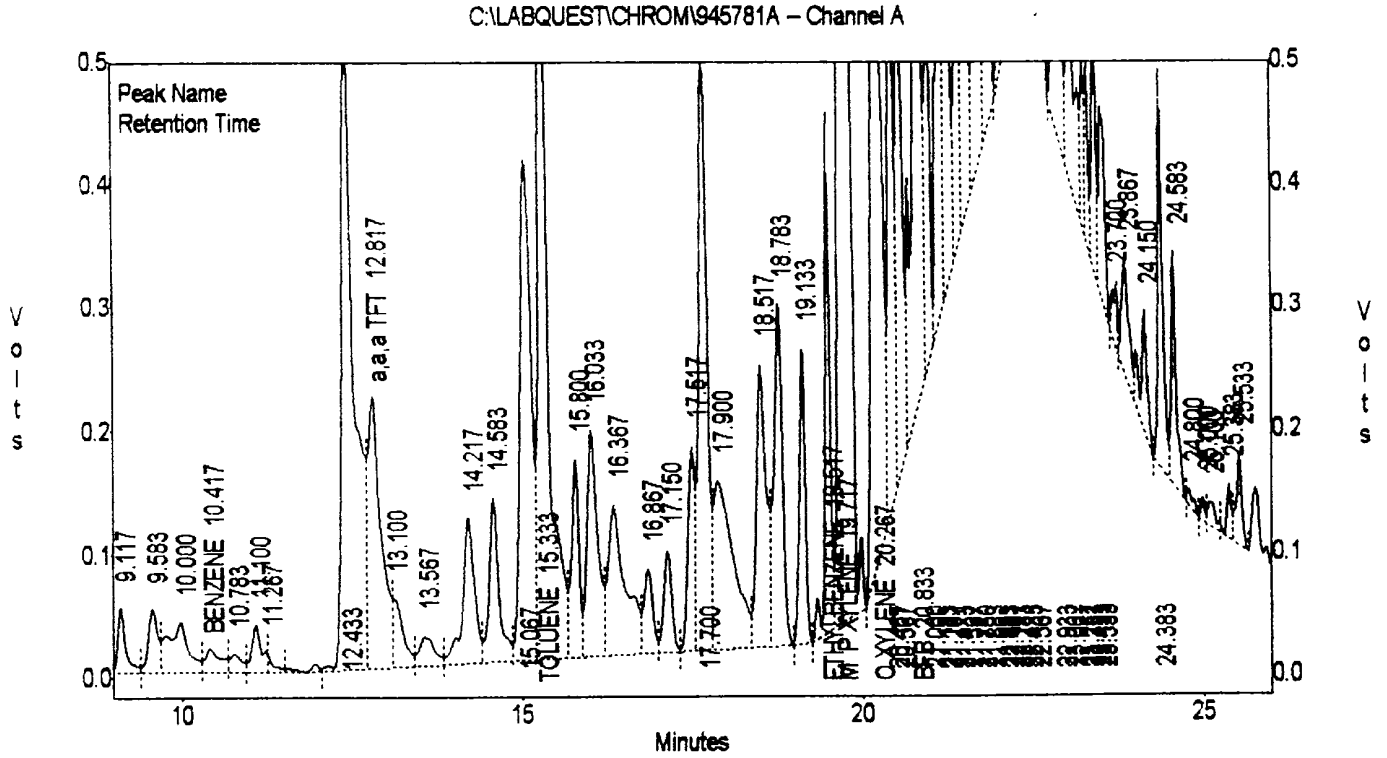
EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM\945781A
Method : C:\LABQUEST\METHODS\WATERS.MET
Sample ID : 945781 0.58g/20ml 1/10
Acquired : Aug 03, 1994 10:43:18
Printed : Aug 04, 1994 13:47:51
User : STACY

Channel A Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)	
BENZENE	10.417	301358	110084.15625	25.7042	2.57
a,a,a TFT	12.817	3028039	12126.05859	4681.4019	
TOLUENE	15.333	7795658	113262.99219	649.9420	65.0
ETHYLBENZENE	19.517	2134466	104582.78125	195.9361	19.6
M & P XYLENE	19.717	29312834	118860.08594	2560.9927	256
O XYLENE	20.267	10951008	103952.14844	1024.5457	102.5
BFB	20.833	20802358	455214.09375	1157.5090	115.8%
Totals :		74325720		10296.0313	

8/6/94

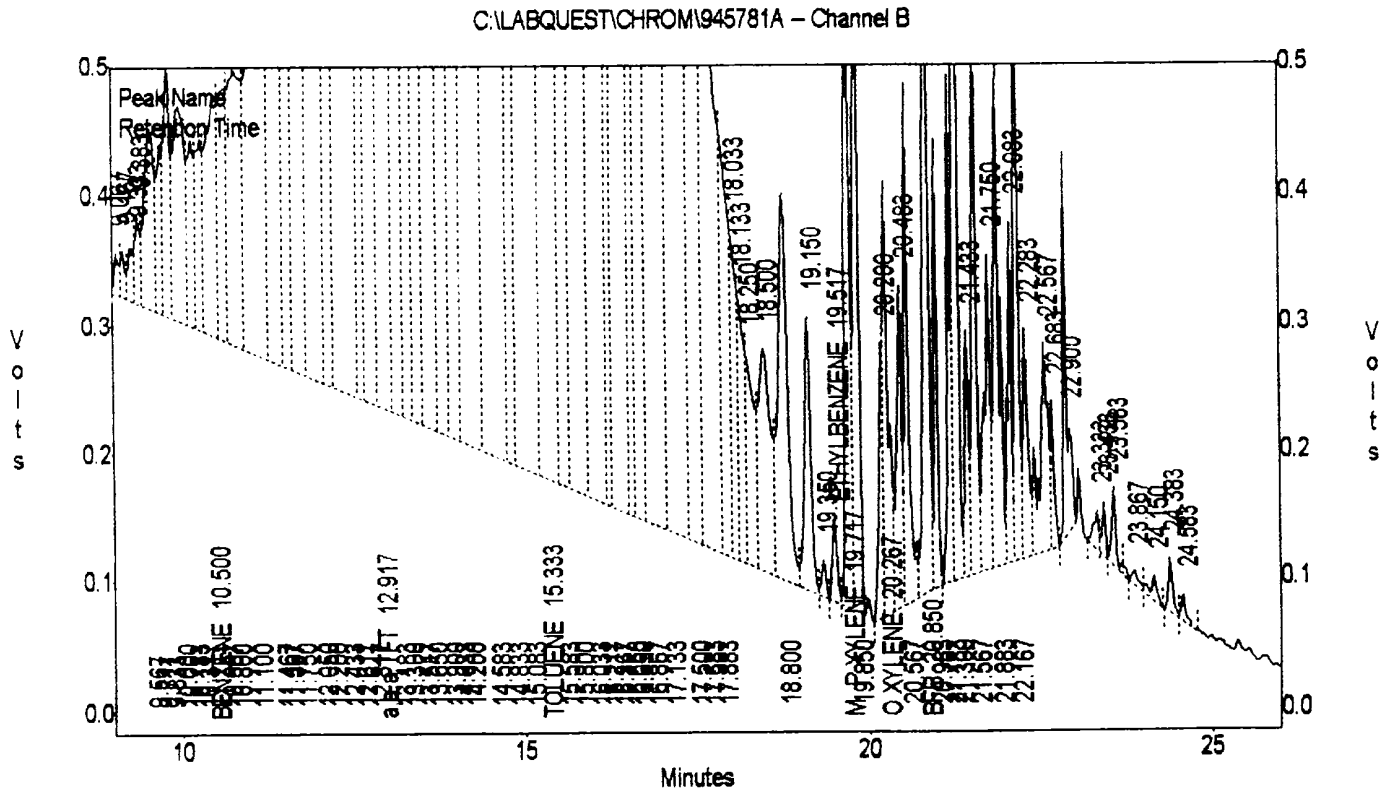


EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM\945781A
Method : C:\LABQUEST\METHODS\WATERS.MET
Sample ID : 945781 0.58g/20ml 1/10
Acquired : Aug 03, 1994 10:43:18
Printed : Aug 04, 1994 13:47:59
User : STACY

Channel B Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	10.500	2109037	16276.79199	1208.6638
a,a,a TFT	12.917	5997976	1556.41406998988288.0000	
TOLUENE	15.333	13329325	16277.60938	7745.2402
ETHYLBENZENE	19.517	297311	15369.43262	184.3023
M & P XYLENE	19.717	3936535	15419.21973	2461.6460
O XYLENE	20.267	1777750	15228.25098	1113.0543
BFB	20.850	3709454	29268.63867	2309.2051
Totals :		31157392		2999003392.0000



Analytical **Technologies,** Inc.

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

ATI I.D. **408313**

August 12, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **08/03/94**, 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.

8015 analysis was added on 08/08/94 for sample 945789 per John Lambdin.

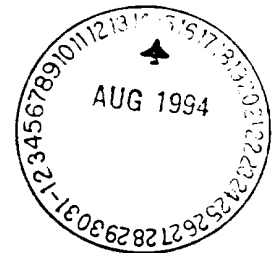
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

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.: 408313

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	945781	NON-AQ	07/28/94	08/04/94	08/05/94	10
02	945782	NON-AQ	07/28/94	08/04/94	08/05/94	10
03	945783	NON-AQ	07/28/94	08/04/94	08/05/94	5

PARAMETER	UNITS	01	02	03
BENZENE	MG/KG	<0.25	<0.25	<0.13
TOLUENE	MG/KG	10	<0.25	<0.13
ETHYLBENZENE	MG/KG	2.8	2.4	0.42
TOTAL XYLENES	MG/KG	54	37	6.8
SURROGATE:				
BROMOFLUOROBENZENE (%)		71	121*	108

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

Split Sample

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 408313
PROJECT #	: 24324	DATE RECEIVED	: 08/03/94
PROJECT NAME	: PIT CLOSURE	DATE ANALYZED	: 08/05/94

PARAMETER	UNITS	01	13
PETROLEUM HYDROCARBONS, IR	MG/KG	2100	3900

EPNG Sample #945781

Split Sample

PHASE II

RECORD OF SUBSURFACE EXPLORATION

Burlington Environmental Inc.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1
Well #
Page 1 of 1

Project Name: EPNG PITS
Project Number: 14509 Phase 6000.77
Project Location: Federal E #1 ~~70583~~ 87396

Elevation:
Borehole Location: ~~[illegible]~~ M-S25-T27-R8
GWL Depth:
Logged By: J.F. LaBarbera
Drilled By: K. Padilla
Date/Time Started: 7/25/95 - 1209
Date/Time Completed: - 1319

Well Logged By: J.F. LaBarbera
Personnel On-Site: K. Padilla, F. Rivera, ~~D. Charlie~~ J. O'Ke
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/S	Drilling Conditions & Blow Counts
0–12				Fill						
15	1	15-16	10	Gray, med dense, v fn sandy SILT, damp, odor	ML		1.2	8	492/384	1229
20	2	20-22.5	6	Lt Olive, med coarse, SANDSTONE, poorly cemented, v sl. odor	X		1	27	8.5/13.9	1230
25	3	25-25.25	3	Brown, AA			0	6.4	14/14	1235
				TOB at 25'						

Comments: Sample JFL 21 from 20-22.5' sent to lab for BTEX/TPH analysis. Unsure if PID headspace at 20' accurate, - drilling due to 24' when sample checked.

Geologist Signature: [signature]

7/14/95\DRILLOG.XLS

El Paso Natural Gas Company

Phase II Drilling
Federal E #1
(20-20.5')

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

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JFL 21	947075
MTR CODE | SITE NAME:	87396	N/A
SAMPLE DATE | TIME (Hrs):	07/25/95	12:30
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	7-26-95	7-26-95
DATE OF BTEX EXT. | ANAL.:	7-27-95	7-28-95
TYPE | DESCRIPTION:	VG	Light grey sand & clay

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG	1			~~28~~
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)	RLB 7/27/95 ~~21~~ 20.8	MG/KG			2.15	28
HEADSPACE PID	8.5	PPM				
PERCENT SOLIDS	92.4	%				

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

The Surrogate Recovery was at 101 % 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                      *
**********************************************************
*
 95/07/26  13:57
*
*  Sample identification
 947073
*
*  Initial mass of sample, g
 2.150
*
*  Volume of sample after extraction, ml
 28.000
*
*  Petroleum hydrocarbons, ppm
 20.828
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.013
*
*
*
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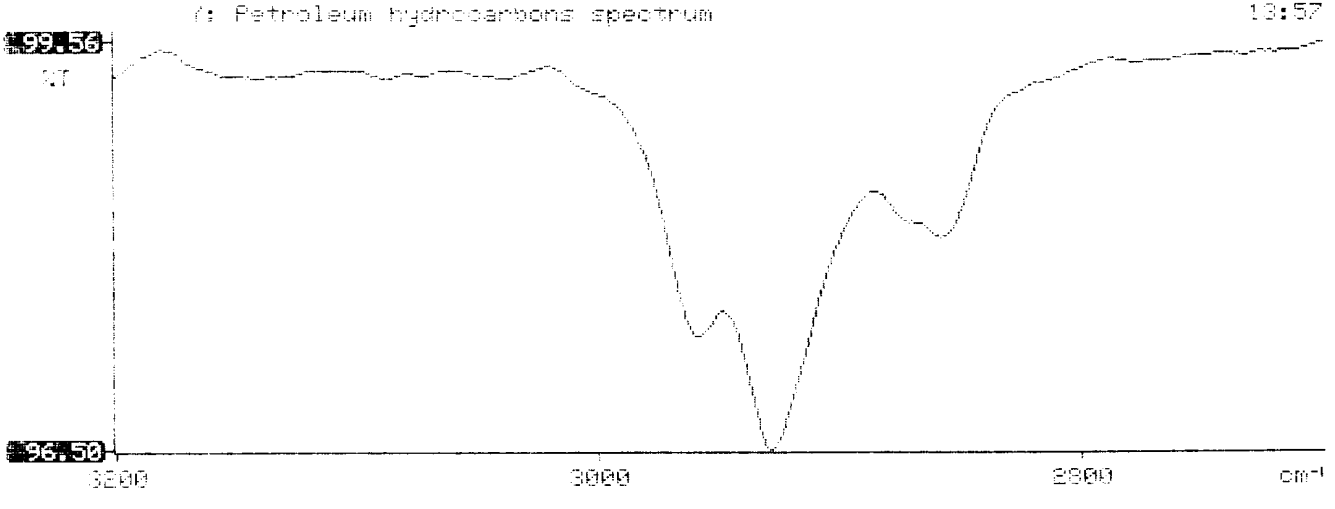


Analytical **Technologies,** Inc.

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

ATI I.D. **507411**

August 3, 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 **07/27/95**, 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.

EPA method 8015 analyses were added on 07/27/95 for samples "947068", "947069" and "947077" per Kim Kirby.

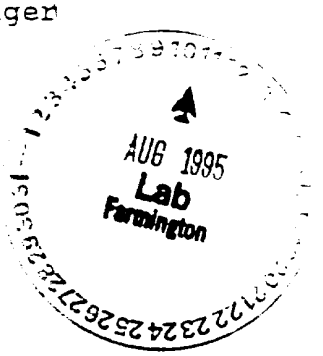
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

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.: 507411

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE/PHASE II DRILLING

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	947073	NON-AQ	07/25/95	07/27/95	07/28/95	1
05	947074	NON-AQ	07/25/95	07/27/95	07/28/95	1
06	947075	NON-AQ	07/25/95	07/27/95	07/28/95	1

PARAMETER	UNITS	04	05	06
BENZENE	MG/KG	<0.025	<0.025	<0.025
TOLUENE	MG/KG	<0.025	<0.025	<0.025
ETHYLBENZENE	MG/KG	0.029	<0.025	<0.025
TOTAL XYLENES	MG/KG	0.45	<0.025	<0.025
SURROGATE:				
BROMOFLUOROBENZENE (%)		102	98	101