

DEPUTY OIL & GAS INSPECTOR

DEC 21 1998

FIELD PIT SITE ASSESSMENT FORM

JUL 2 1998

unknown operator

RECEIVED

GENERAL

Meter: 95284 Location: Talapeno #1 C-16-25-N-08W  
Operator #: \_\_\_\_\_ Operator Name: \_\_\_\_\_ P/L District: Ballard  
Coordinates: Letter: P Section: 16 Township: 25 Range: 8  
Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Pit Type: Dehydrator \_\_\_\_\_ Location Drip: X Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
Site Assessment Date: 6-27-94 Area: 11 Run: 21

SITE ASSESSMENT

NMOCD Zone:

(From NMOCD  
Maps)

Inside

Outside

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)  
KGW-6-29-94

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 Selph 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 : one pit on location - large volume of  
oil & water in pit (pumped out 6-29-94)

Inside V.Z. on Redline & TODD

# **PHASE I EXCAVATION**

# FIELD PIT REMEDIATION/CLOSURE FORM

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GENERAL</b>            | <p>Meter: <u>95284</u> Location: <u>JalaPeno #1</u></p> <p>Coordinates: Letter: <u>P</u> Section <u>9</u> Township: <u>25</u> Range: <u>8</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>8-23-94</u> Run: <u>11</u> <u>21</u></p>                                                                                                                                                                                                                            |
| <b>FIELD OBSERVATIONS</b> | <p>Sample Number(s): <u>KP. 205</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>224</u> PID Reading Depth <u>12'</u> Feet</p> <p style="text-align: center;">Yes      No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p>                                                                                                                                                          |
| <b>CLOSURE</b>            | <p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> Approx. Cubic Yards <u>90</u></p> <p>Onsite Bioremediation <input type="checkbox"/></p> <p>Backfill Pit Without Excavation <input type="checkbox"/></p> <p>Soil Disposition:</p> <p>Envirotech <input checked="" type="checkbox"/> <input type="checkbox"/> Tierra</p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>8-23-94</u> Pit Closed By: <u>B.E.I</u></p> |
| <b>REMARKS</b>            | <p>Remarks : <u>NO LINE MARKERS. PIT HAD A LOT OF OIL &amp; WATER IN IT. HAD TO SOLIDIFY PIT BEFORE WE COULD DIG OUT. AT 12' SOIL STILL GRAY LOOKING SOIL AT BOTTOM OF PIT. CLOSED PIT.</u></p>                                                                                                                                                                                                                                                                                     |
|                           | <p>Signature of Specialist: <u>Kelly Padilla</u></p>                                                                                                                                                                                                                                                                                                                                                                                                                                |



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

|                            | Field ID | Lab ID            |
|----------------------------|----------|-------------------|
| SAMPLE NUMBER:             | KP 205   | 945998            |
| MTR CODE   SITE NAME:      | 95284    | N/A               |
| SAMPLE DATE   TIME (Hrs):  | 8-23-94  | 1300              |
| SAMPLED BY:                | N/A      |                   |
| DATE OF TPH EXT.   ANAL.:  | 8-25-94  | 8/25/94           |
| DATE OF BTEX EXT.   ANAL.: | 8/28/94  | 8/28/94           |
| TYPE   DESCRIPTION:        | VC       | Brown sand & clay |

REMARKS:

RESULTS

| PARAMETER          | RESULT | UNITS | QUALIFIERS |   |      |       |
|--------------------|--------|-------|------------|---|------|-------|
|                    |        |       | DF         | Q | M(g) | V(ml) |
| BENZENE            | 40.5   | MG/KG | 20         |   |      |       |
| TOLUENE            | 7.2    | MG/KG | 20         |   |      |       |
| ETHYL BENZENE      | 3.4    | MG/KG | 20         |   |      |       |
| TOTAL XYLENES      | 19     | MG/KG | 20         |   |      |       |
| TOTAL BTEX         | 30     | MG/KG |            |   |      |       |
| TPH (418.1) 30,900 | 30890  | MG/KG |            |   | 0.26 | 28    |
| HEADSPACE PID      | 224    | PPM   |            |   |      |       |
| PERCENT SOLIDS     | 89.8   | %     |            |   |      |       |

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

The Surrogate Recovery was at 123 % for this sample All QA/QC was acceptable.

Narrative: AT I results attached. Surrogate recovery was outside AT I QC limits due to matrix interference

DF = Dilution Factor Used

Approved By:

J.F.

Date:

9/30/94

```

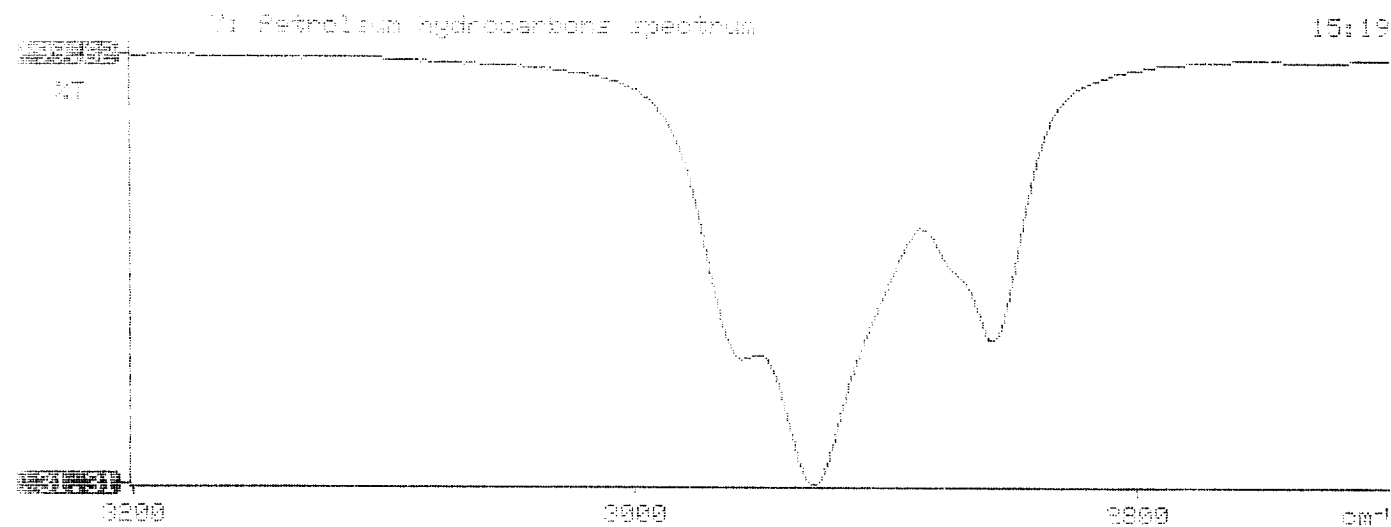
*****
*                               *
*      Test Method for         *
*      Oil and Grease and Petroleum Hydrocarbons *
*      in Water and Soil.      *
*                               *
*      Perkin-Elmer Model 1600 FT-IR *
*      Analysis Report         *
*****

```

```

74/08/25 15:19
*
* Sample Identification
* 345755
*
* Initial mass of sample, g
* 0.260
*
* Volume of sample after extraction, ml
* 23.000
*
* Petroleum hydrocarbons, ppm
* 30291.789
* Net absorbance of hydrocarbons (2930 cm-1)
* 0.500

```





Analytical**Technologies**, Inc.

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

ATI I.D. **408405**

August 30, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **08/26/94**, 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.

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.: 408405  
PROJECT # : 24324  
PROJECT NAME : PIT CLOSURE

| SAMPLE ID. # | CLIENT I.D. | MATRIX | DATE SAMPLED | DATE EXTRACTED | DATE ANALYZED | DIL. FACTOR |
|--------------|-------------|--------|--------------|----------------|---------------|-------------|
| 04           | 945998      | NON-AQ | 08/23/94     | 08/28/94       | 08/28/94      | 20          |
| 05           | 946004      | NON-AQ | 08/24/94     | 08/28/94       | 08/29/94      | 1           |
| 06           | 946005      | NON-AQ | 08/24/94     | 08/28/94       | 08/28/94      | 20          |

| PARAMETER     | UNITS | 04   | 05     | 06   |
|---------------|-------|------|--------|------|
| BENZENE       | MG/KG | <0.5 | <0.025 | <0.5 |
| TOLUENE       | MG/KG | 7.2  | <0.025 | 8.3  |
| ETHYLBENZENE  | MG/KG | 3.4  | <0.025 | <0.5 |
| TOTAL XYLENES | MG/KG | 19   | <0.025 | 64   |

### SURROGATE:

|                        |      |    |    |
|------------------------|------|----|----|
| BROMOFLUOROBENZENE (%) | 123* | 80 | 97 |
|------------------------|------|----|----|

\*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

# PHASE II

# RECORD OF SUBSURFACE EXPLORATION

## PHILIP ENVIRONMENTAL

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 Jalapa #1 95284

Elevation \_\_\_\_\_  
Borehole Location T25, R8, S9, P  
GWL Depth \_\_\_\_\_  
Logged By Jeff W. Kindley  
Drilled By G. Sudduth  
Date/Time Started 08/04/95 0825  
Date/Time Completed 08/04/95 1047

Well Logged By Jeff W. Kindley  
Personnel On-Site G. Sudduth, J. Long, Denge, Robert  
Contractors On-Site \_\_\_\_\_  
Client Personnel On-Site \_\_\_\_\_  
Drilling Method 4 1/4 ID HSA  
Air Monitoring Method PID, CGI

| Depth<br>(Feet) | Sample<br>Number | Sample<br>Interval | Sample<br>Type &<br>Recovery<br>(inches) | Sample Description<br>Classification System: USCS                                                                                    | USCS<br>Symbol | Depth<br>Lithology<br>Change<br>(feet) | Air Monitoring<br>Units: PPM<br>BZ BH S/H S |  |     | Drilling Conditions<br>& Blow Counts |
|-----------------|------------------|--------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------|---------------------------------------------|--|-----|--------------------------------------|
| 0               |                  |                    |                                          | BackFill material to<br>12'                                                                                                          |                |                                        |                                             |  |     |                                      |
| 5               |                  |                    |                                          |                                                                                                                                      |                |                                        |                                             |  |     |                                      |
| 10              |                  |                    |                                          |                                                                                                                                      |                |                                        |                                             |  |     |                                      |
| 15              |                  |                    |                                          |                                                                                                                                      |                |                                        |                                             |  |     |                                      |
| 20              | 1                | 18-20              | 16<br>1.5                                | Silty clay, brown, Fine grained,<br>Moderately dense, dry<br>Boring terminated at 20'                                                |                |                                        |                                             |  | 0/0 | 9:45                                 |
| 25              |                  |                    |                                          | (Drilled 12' originally and<br>encountered chicken wire,<br>BackFilled and moved over<br>several feet before beginning<br>new hole.) |                |                                        |                                             |  |     |                                      |
| 30              |                  |                    |                                          |                                                                                                                                      |                |                                        |                                             |  |     |                                      |
| 35              |                  |                    |                                          |                                                                                                                                      |                |                                        |                                             |  |     |                                      |
| 40              |                  |                    |                                          |                                                                                                                                      |                |                                        |                                             |  |     |                                      |

Comments:

Drilled down 12' hit <sup>chicken wire</sup> Fence. Had to move over several feet to redrill  
Sample collected at 18' to 20' and analyzed for BTEX and TPH. Bore hole  
grouted to surface

Geologist Signature

Jeff W. Kindley



## FIELD SERVICES LABORATORY

## ANALYTICAL REPORT

## PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

## SAMPLE IDENTIFICATION

|                            | Field ID          | Lab ID      |
|----------------------------|-------------------|-------------|
| SAMPLE NUMBER:             | JWK 6             | 947153      |
| MTR CODE   SITE NAME:      | 95284             | Jalapeno #1 |
| SAMPLE DATE   TIME (Hrs):  | 08/04/95          | 09:45       |
| PROJECT:                   | Phase II Drilling |             |
| DATE OF TPH EXT.   ANAL.:  | 8-7-95            | 8-7-95      |
| DATE OF BTEX EXT.   ANAL.: | 8-12-95           | 8-12-95     |
| TYPE   DESCRIPTION:        | V6                | Brown clay  |

Field Remarks: (8-20')

## RESULTS

| PARAMETER      | RESULT              | UNITS | QUALIFIERS |   |      |       |
|----------------|---------------------|-------|------------|---|------|-------|
|                |                     |       | DF         | Q | M(g) | V(ml) |
| BENZENE        | 20.025              | MG/KG | 1          |   |      |       |
| TOLUENE        | 20.025              | MG/KG | 1          |   |      |       |
| ETHYL BENZENE  | 20.025              | MG/KG | 1          |   |      |       |
| TOTAL XYLENES  | 20.025              | MG/KG | 1          |   |      |       |
| TOTAL BTEX     | 20.10               | MG/KG |            |   |      |       |
| TPH (418.1)    | 265/20/95<br>6261.9 | MG/KG |            |   | 2.05 | 28    |
| HEADSPACE PID  | 0                   | PPM   |            |   |      |       |
| PERCENT SOLIDS | 89.7                | %     |            |   |      |       |

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

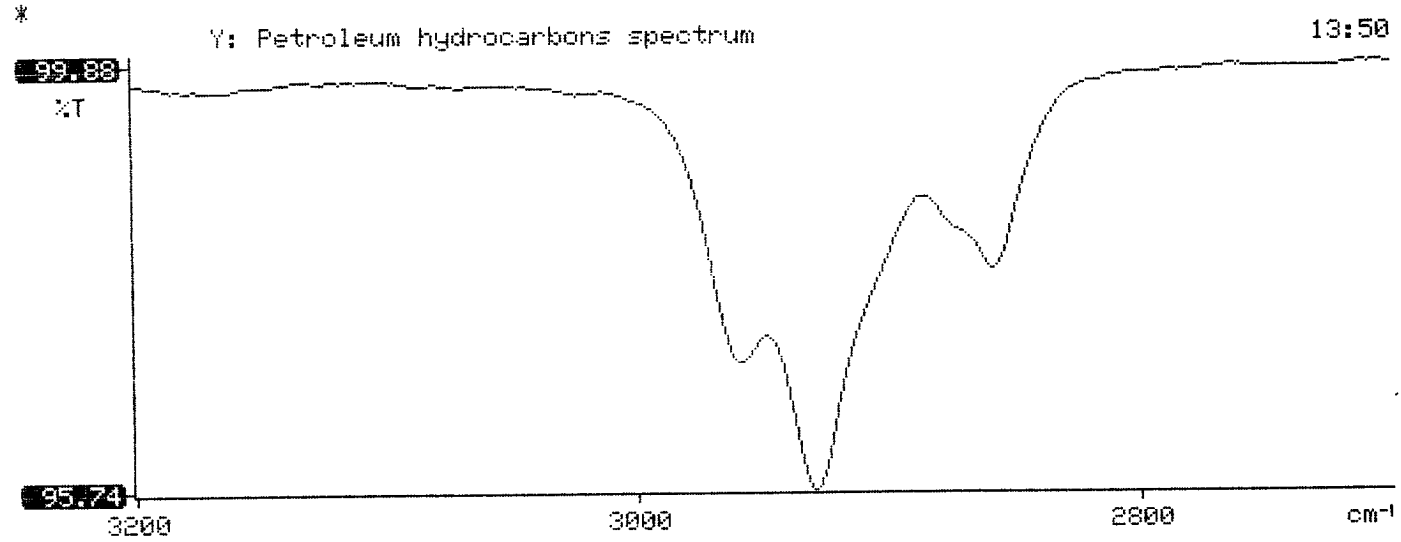
The Surrogate Recovery was at 109 for this sample All QA/QC was acceptable.  
Narrative: ATI Results attached.

DF = Dilution Factor Used

Approved By: JLDate: 8/28/95

\*\*\*\*\*  
\* Test Method for \*  
\* Oil and Grease and Petroleum Hydrocarbons \*  
\* in Water and Soil \*  
\* Perkin-Elmer Model 1600 FT-IR \*  
\* Analysis Report \*  
\*\*\*\*\*

\* 95/08/07 13:50  
\* Sample identification  
947153  
\* Initial mass of sample, g  
2.050  
\* Volume of sample after extraction, ml  
28.000  
\* Petroleum hydrocarbons, ppm  
61.883  
\* Net absorbance of hydrocarbons (2930 cm-1)  
0.018  
\*  
\*  
\*





Analytical **Technologies**, Inc.

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

ATI I.D. **508367**

August 17, 1995

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

Project Name/Number: PIT CLOSURE/PHASE I, II & III PITS 24324

Attention: John Lambdin

On 08/11/95, 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.

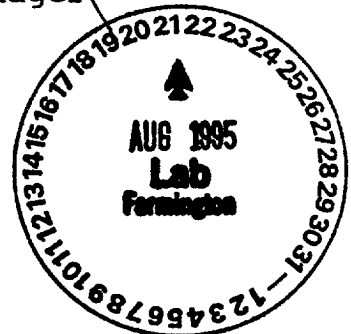
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill  
Project Manager

MR:jt

Enclosure

H. Mitchell Rubenstein, Ph.D.  
Laboratory Manager





Analytical Technologies, Inc.

## GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)  
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 508367  
PROJECT # : 24324  
PROJECT NAME : PIT CLOSURE/PHASE I, II & III

| SAMPLE<br>ID. # | CLIENT I.D. | MATRIX | DATE<br>SAMPLED | DATE<br>EXTRACTED | DATE<br>ANALYZED | DIL.<br>FACTOR |
|-----------------|-------------|--------|-----------------|-------------------|------------------|----------------|
| 01              | 947153      | NON-AQ | 08/04/95        | 08/12/95          | 08/12/95         | 1              |
| 02              | 947154      | NON-AQ | 08/04/95        | 08/12/95          | 08/12/95         | 1              |
| 03              | 947155      | NON-AQ | 08/04/95        | 08/12/95          | 08/12/95         | 1              |
| PARAMETER       |             |        | UNITS           | 01                | 02               | 03             |
| BENZENE         |             |        | MG/KG           | <0.025            | <0.025           | <0.025         |
| TOLUENE         |             |        | MG/KG           | <0.025            | <0.025           | <0.025         |
| ETHYLBENZENE    |             |        | MG/KG           | <0.025            | <0.025           | <0.025         |
| TOTAL XYLENES   |             |        | MG/KG           | <0.025            | 0.040            | <0.025         |

### SURROGATE:

|                        |     |     |     |
|------------------------|-----|-----|-----|
| BROMOFLUOROBENZENE (%) | 109 | 111 | 109 |
|------------------------|-----|-----|-----|