

*Kenny E. Faust*  
DEPUTY BLM INSPECTOR

## INSPECTION SUMMARY

JUL 17 1998

*Approved*

Rincon Unit # 42  
Meter/Line ID - 71045

### SITE DETAILS

Legals - Twn: 27      Rng: 7  
NMOCD Hazard Ranking: 20  
Operator: UNOCAL

Sec: 35      Unit: 1  
Land Type: BLM

### PREVIOUS ACTIVITIES

Site Assessment: 11/15/94  
Monitor Well: N/A

Excavation: 11/30/94  
Re-Excavation: N/A -

Soil Boring: 9/1/95  
Geoprobe: N/A

### CONCLUSIONS

The initial excavation was excavated to the top of a sandstone bedrock, which was 8 feet below ground surface (bgs). PID field screening indicated subsurface soils to be 552 ppm at 8 feet bgs. Excavation was terminated and a sample was collected. Sample analysis indicated total BTEX to be below standards at 2.6 mg/kg, and TPH was above standards at 390 mg/kg. A test boring was drilled in the center of the initial excavation to determine the vertical extent of impact to soil. Sandstone was encountered at 10 feet bgs in the boring and continued to the termination of the boring at 30 feet bgs. A soil sample was collected for BTEX and TPH analysis at 28-30 feet bgs. Laboratory analysis showed all BTEX compounds to be below detection limits and TPH present at 14.8 mg/kg.

### RECOMMENDATIONS

No further action is recommended at the site for the following reasons:

- The bulk of the impacted soil was removed during the phase 1 excavation.
- Test boring sample results indicated soils below standards 20 feet beneath the initial excavation.
- No groundwater was encountered in the test boring.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soils at the bottom of the initial excavation will naturally degrade in time with minimal risk to the environment.

**RECEIVED**  
MAR - 9 1998  
**OIL CON. DIV.**  
DIST. 3

# FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 71045 Location: Rincon unit #42  
 Operator #: \_\_\_\_\_ Operator Name: UNOCO P/L District: BLANCO  
 Coordinates: Letter: IK Section 35 Township: 27 Range: 7  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator \_\_\_\_\_ Location Drip: X Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 11/15/94 Area: 03 Run: 22

## 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)

## 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 \_\_\_\_\_

(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: 20 POINTS

REMARKS

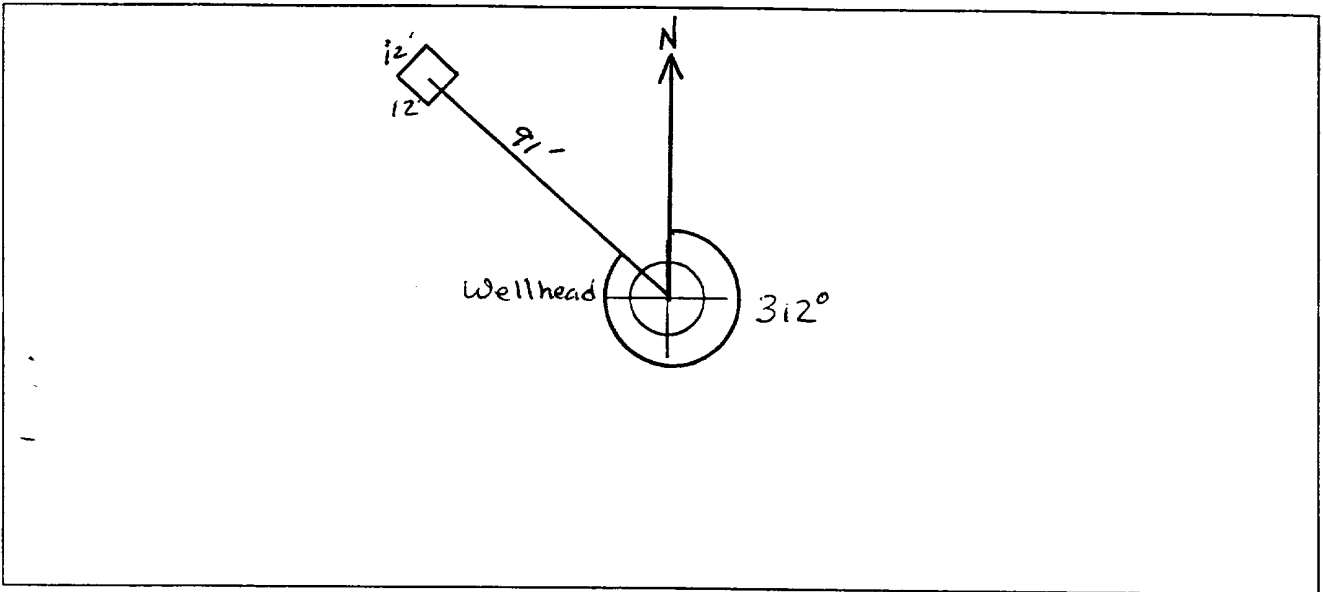
Remarks : Topo Inside Redline Inside

RECEIVED  
 MAR - 0 1995  
 OIL CON. DIV.  
 DIST. 3

### ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 312° Footage from Wellhead 91'

b) Length : 12 Width : 12 Depth : 0



### Remarks :

Pictures 1310 (1-5) Roll-6

Pit Closed. All measurements taken from approximate  
center of old pit. Marked with survey lath.

Completed By:

Shawn T. Pope

Signature

11/15/94

Date

# **PHASE I EXCAVATION**

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# FIELD PIT REMEDIATION/CLOSURE FORM

<b>GENERAL</b>	Meter: <u>71045</u> Location: <u>Rincon Unit #42</u> Coordinates: Letter: <u>I</u> Section <u>35</u> Township: <u>27</u> Range: <u>7</u> Or Latitude _____ Longitude _____ Date Started : <u>11-30-94</u> Run: <u>03</u> <u>22</u>
<b>FIELD OBSERVATIONS</b>	Sample Number(s): <u>KP 351</u> Sample Depth: <u>8'</u> Feet Final PID Reading <u>552</u> PID Reading Depth <u>8'</u> Feet <div style="text-align: center;">Yes      No</div> Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet
<b>CLOSURE</b>	Remediation Method : <div style="display: flex; justify-content: space-between;"> <div>           Excavation            Onsite Bioremediation            Backfill Pit Without Excavation         </div> <div style="text-align: right;"> <input checked="" type="checkbox"/> Approx. Cubic Yards <u>80</u>  <input type="checkbox"/>  <input type="checkbox"/> </div> </div> Soil Disposition: <div style="display: flex; justify-content: space-between;"> <div>           Envirotech <input checked="" type="checkbox"/>            Other Facility <input type="checkbox"/> </div> <div> <input type="checkbox"/> Tierra            Name: _____         </div> </div> Pit Closure Date: _____ Pit Closed By: <u>B.ET</u>
<b>REMARKS</b>	Remarks : <u>Pit already Had A cap. we dug down 4' Hit Contamination. Soil dark gray with A smell. At 8' Hit SAND stone.</u>
	Signature of Specialist: <u>Kelly Padilla</u>



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP351	946515
MTR CODE   SITE NAME:	71045	Rincon Unit #42
SAMPLE DATE   TIME (Hrs):	30-Nov-94	1510
PROJECT:	Phase I Excavation	
DATE OF TPH EXT.   ANAL.:	12/5/94	12/5/94
DATE OF BTEX EXT.   ANAL.:	12/8/94	12/12/94
TYPE   DESCRIPTION:	VC	Light Gray fine sand

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.13	MG/KG				
TOLUENE	<0.13	MG/KG				
ETHYL BENZENE	0.22	MG/KG		0		
TOTAL XYLENES	2.4	MG/KG				
TOTAL BTEX	2.6	MG/KG				
TPH (418.1)	390	MG/KG			1.96	28.0
HEADSPACE PID	552	PPM				
PERCENT SOLIDS	89.4	%				

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

The Surrogate Recovery was at 125 % for this sample All QA/QC was acceptable.

Narrative:

Analytical Technologies analyzed this sample.

DF = Dilution Factor Used

Approved By:

*John L. Lach*

Date:

Original 12/27/94  
Reprint 2/10/98

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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        *
*****

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94/12/05 17:13

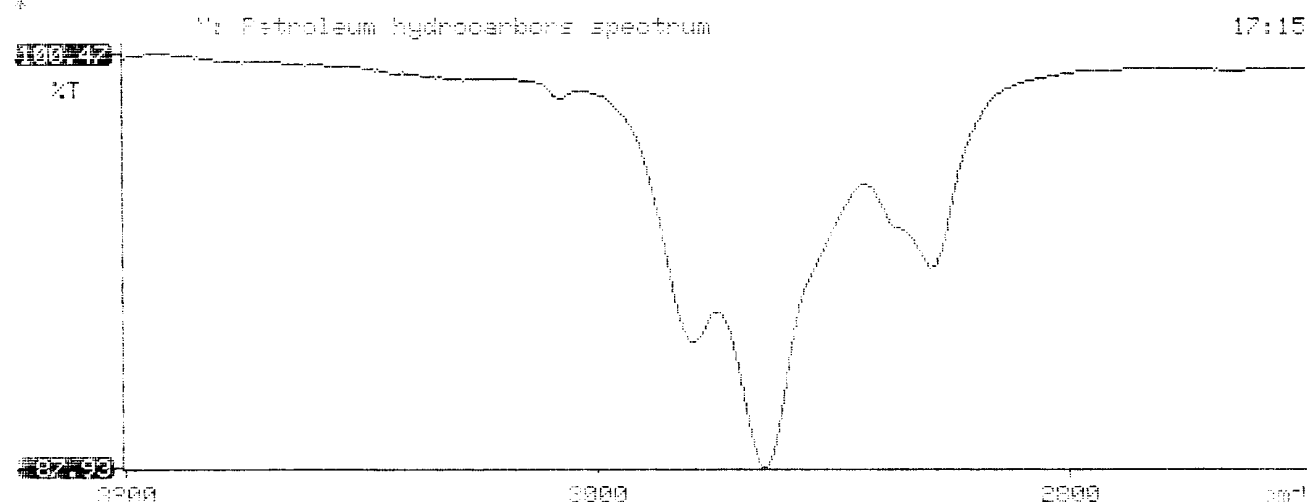
\* Sample identification  
946515

\* Initial mass of sample, g  
1.960

\* Volume of sample after extraction, ml  
28.000

\* Petroleum hydrocarbons, ppm  
390.493

\* Net absorbance of hydrocarbons (2930 cm<sup>-1</sup>)  
0.057





Analytical**Technologies**, Inc.

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

ATI I.D. 412325

December 20, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 12/07/94, 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.

This report is being reissued to correct surrogate notation for sample "946515". We apologize for any inconvenience.

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





# GAS CHROMATOGRAPHY RESULTS

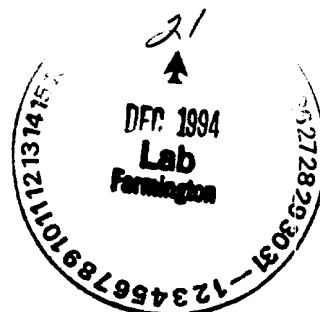
TEST : BTEX (EPA 8020)  
 CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 412325  
 PROJECT # : 24324  
 PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	946515	NON-AQ	11/30/94	12/08/94	12/12/94	5
05	946516	NON-AQ	12/01/94	12/08/94	12/09/94	20
06	946517	NON-AQ	12/01/94	12/08/94	12/09/94	50
PARAMETER			UNITS	04	05	06
BENZENE			MG/KG	<0.13	1.7	3.5
TOLUENE			MG/KG	<0.13	10	54
ETHYLBENZENE			MG/KG	0.22	1.6	1.4
TOTAL XYLENES			MG/KG	2.4	9.8	61

## SURROGATE:

BROMOFLUOROBENZENE (%) 125\*\* \* \*

\*SURROGATE RECOVERY NOT OBTAINABLE DUE TO SAMPLE DILUTION  
 \*\*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE



# RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole #

BH-1

Well #

Page

of

Project Name

EPNG Pits

Project Number

14509

Phase

601-6000

Project Location

Rincon Unit # 42, 71045

Elevation

Borehole Location T27, R7, S.35, T

GWL Depth

Logged By

S. Kelly

Drilled By

M. Donohue

Date/Time Started

9/11/95, 0840

Date/Time Completed

9/11/95, 1020

Well Logged By

S. Kelly

Personnel On-Site

M. Donohue, J. O'Keefe, D. Isabate

Contractors On-Site

Client Personnel On-Site

Drilling Method

4 1/4" ID 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			Drilling Conditions & Blow Counts
							BZ	BH	S	
0				Backfill to 8'						
5										
10										
15										
20	1	17.5-19.5	1.0' / 20'	SILT, light brown, v. dense, dry					52 / 445	0920
25	2	23-25	.5' / 20'	SAA					24 / 139	0934
30	3	28-30	.4' / 20'	SAA					5 / 1	0945
35				TOB - 30.0'						
40										

At approx 10' drilling got very hard, like rock.



Comments:

28'-30' sample (SEK 77) sent to lab (BTEX & TPH). Sample was bagged and iced prior to being put in jar. BH grouted to surface.

Geologist Signature

Sarah Kelly



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	SEK 77	94 7392
MTR CODE   SITE NAME:	71045	Rincon Unit #42
SAMPLE DATE   TIME (Hr):	09-01-95	0945
PROJECT:	Phase II Drilling	
DATE OF TPH EXT.   ANAL:	9-5-95	
DATE OF BTEX EXT.   ANAL:	9/6/95	9/10/95
TYPE   DESCRIPTION:	YG	LIGHT GRAY SAND + FINEST GRAINE

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)	14.8	MG/KG			233	28
HEADSPACE PID	1	PPM				
PERCENT SOLIDS	96.3	%				

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

The Surrogate Recovery was at 88 % for this sample All QA/QC was acceptable.  
Narrative:

DF = Dilution Factor Used

Approved By: JP

Date: 9-11-95

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

Perkin-Elmer Model 1600 FT-IR  
Analysis Report

95/09/05 14:43

Sample identification  
947392

Initial mass of sample, g  
2.330

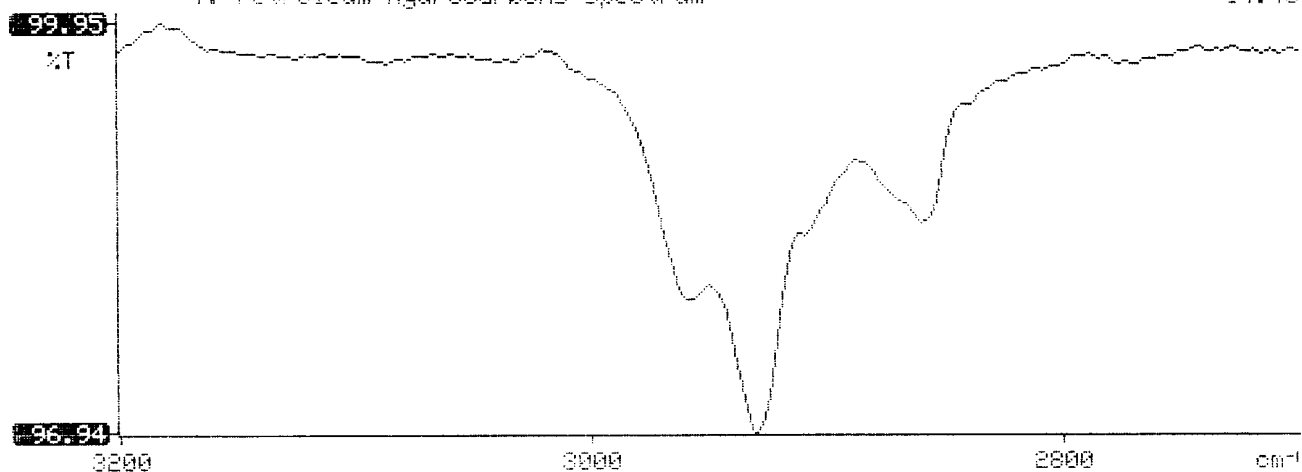
Volume of sample after extraction, ml  
28.000

Petroleum hydrocarbons, ppm  
14.813

Net absorbance of hydrocarbons (2930 cm<sup>-1</sup>)  
0.012

Y: Petroleum hydrocarbons spectrum

14:43



# BTEX SOIL SAMPLE WORKSHEET

File	:	947392	Date Printed	:	9/11/95
Soil Mass (g)	:	5.09	Multiplier (L/g)	:	0.00098
Extraction vol. (mL)	:	20	DF (Analytical)	:	200
Shot Volume (uL)	:	100	DF (Report)	:	0.19646

			Det. Limit
Benzene (ug/L)	:	0.00	Benzene (mg/Kg): 0.000 0.491
Toluene (ug/L)	:	0.00	Toluene (mg/Kg): 0.000 0.491
Ethylbenzene (ug/L)	:	0.00	Ethylbenzene (mg/Kg): 0.000 0.491
p & m-xylene (ug/L)	:	0.00	p & m-xylene (mg/Kg): 0.000 0.982
o-xylene (ug/L)	:	0.00	o-xylene (mg/Kg): 0.000 0.491
			Total xylenes (mg/Kg): 0.000 1.473
			Total BTEX (mg/Kg): 0.000

**EL PASO NATURAL GAS**  
**EPA METHOD 8020 - BTEX SOILS**

File : C:\LABQUEST\CHROM001\090795-1.011  
Method : C:\LABQUEST\METHODS\9001.MET  
Sample ID : 947392,5.09G,100U  
Acquired : Sep 10, 1995 18:18:48  
Printed : Sep 10, 1995 18:45:12  
User : MARLON

## Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.410	0	0.0000
a,a,a TFT	4.920	3222081	93.3047
TOLUENE	6.753	98862	-0.4820
ETHYLBENZENE	10.513	0	0.0000
M & P XYLENE	10.870	230616	-3.4897
O XYLENE	11.927	0	0.0000
BFB	13.410	52949928	88.3600

C:\LABQUEST\CHROM001\090795-1.011 - Channel A

