EPFS PIT CLOSURE SUMMARY

Denny G. Foust
DEPUTY OIL & GAS INSPECTOR

JUL 17 1998

Approved

Rincon Unit # 37
Meter/Line ID - 70969

SITE DETAILS

Legals - Twn: 27 **Rng:** 7 **Sec:** 26 **Unit:** K
NMOCD Hazard Ranking: 40 **Land Type:** BLM
Operator: UNOCAL

PREVIOUS ACTIVITIES

Site Assessment: 6/7/94 **Excavation:** 7/6/94 **Soil Boring:** 9/7/95
Monitor Well: N/A **Re-Excavation:** N/A **Geoprobe:** N/A

CONCLUSIONS

A test hole was dug to the practical extent of the trackhoe, which was 12 feet below ground surface (bgs). PID field screening indicated subsurface soils to be 8 ppm at 12 feet bgs. Excavation was terminated and a sample was collected. Sample analysis indicated total BTEX to be below detection limits and TPH was slightly above standards at 159 mg/kg. A test boring was drilled in the center of the initial excavation to determine the vertical extent of impact to soil. The soil lithology consisted of a brown silty sand, which continued to the termination of the borehole at 17 feet bgs. A soil sample was collected for BTEX and TPH analysis at 15-17 feet bgs. Laboratory analysis showed all BTEX compounds to be below detection limits and TPH present at 63.4 mg/kg.

RECOMMENDATIONS

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

- Test boring sample results indicated soils below standards 3 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 pit will naturally degrade in time with minimal risk to the environment.

RECEIVED
MAR - 9 1999
OIL CON. DIV.
DIST. 3

J:\18954\REPORTS

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 70969 Location: Rincon Unit 37
Operator #: 9165 Operator Name: Unocal P/L District: Blanco
Coordinates: Letter: K Section 26 Township: 27 Range: 7
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: ✓ Line Drip: ___ Other: _____
Site Assessment Date: 6/7/94 Area: 03 Run: 32

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 Cuerro Canon

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(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 - Inside
1 pit. Will Close. Pit Dry.
DIG & HAUL

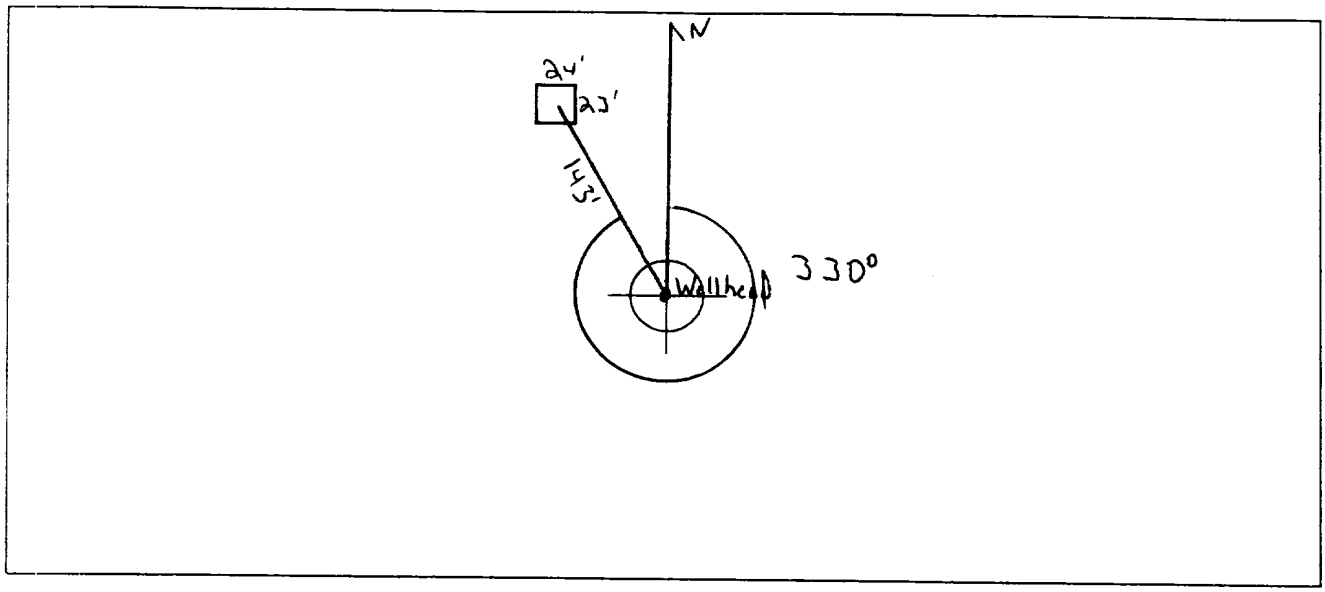
(SP3190) 04/08/94

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 330° Footage from Wellhead 143'

b) Length : 24' Width : 23' Depth : 4'



REMARKS

Remarks :

Pictures @ 1248 (5-9)

END Dump

Completed By:

Signature

6/7/94

Date

PHASE I EXCAVATION

FIE PIT REMEDIATION/CLOSU E FORM

GENERAL

Meter: 70969 Location: Rincon unit #37

Coordinates: Letter: K Section 26 Township: 27 Range: 7

Or Latitude _____ Longitude _____

Date Started : 7/6/94 Area: 03 Run: 32

FIELD OBSERVATIONS

Sample Number(s): KD 129 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 8 ppm PID Reading Depth 12' Feet

Yes No

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

CLOSURE

Remediation Method :

Excavation ☐ (1) Approx. Cubic Yards 0

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☒ (3)

Soil Disposition:

Envirotech ☐ (1) ☐ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 7/6/94 Pit Closed By: BEI

REMARKS

Remarks : Dug test Hole to 12', TOOK P.D Sample, Closed pit.

Signature of Specialist: Kerry Dow

(SP3191) 04/07/9

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:	KD129	945589
MTR CODE | SITE NAME:	70969	Rincon Unit #37
SAMPLE DATE | TIME (Hrs):	6-Jul-94	1105
PROJECT:	Phase I Excavation	
DATE OF TPH EXT. | ANAL.:	7/7/94	7/7/94
DATE OF BTEX EXT. | ANAL.:	7/11/94	7/11/94
TYPE | DESCRIPTION:	VG	Red/Brown Sand/Clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG				
TOLUENE	<0.025	MG/KG				
ETHYL BENZENE	<0.025	MG/KG				
TOTAL XYLENES	0.041	MG/KG				
TOTAL BTEX	0.116	MG/KG				
TPH (418.1)	159	MG/KG			2.05	28.0
HEADSPACE PID	8	PPM				
PERCENT SOLIDS	85.8	%				

-- 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:

Samples analyzed by Analytical Technologies.

DF = Dilution Factor Used

Approved By: John Stanley

Date: Original 8/8/94 Reprint 2/10/98

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

Perkin-Elmer Model 1600 FT-IR
Analysis Report

[illegible]/87 15:21

Sample identification
[illegible]

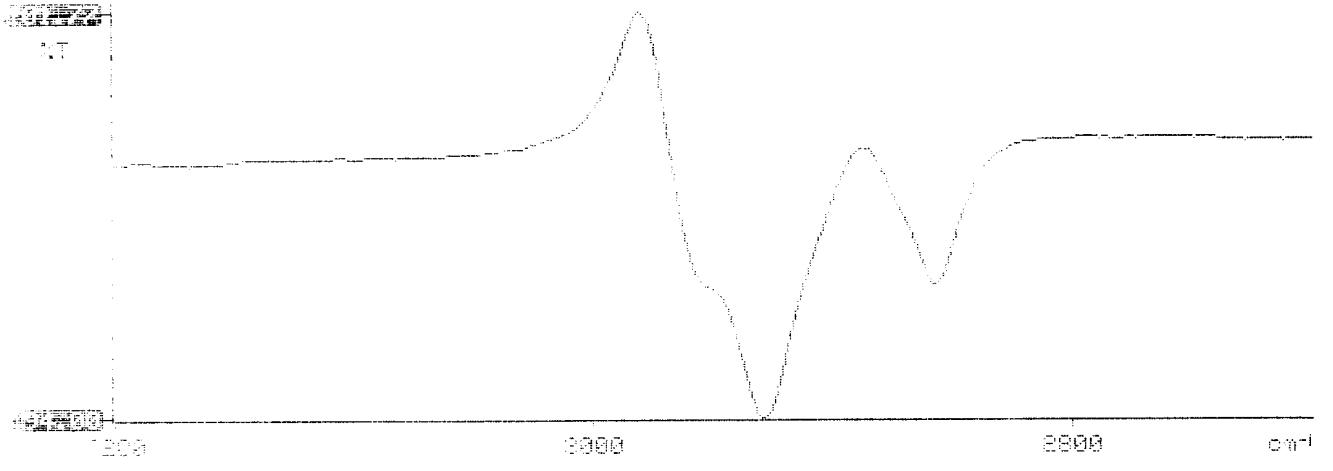
Initial mass of sample, g
2.050

Volume of sample after extraction, ml
28.000

Petroleum hydrocarbons, ppm
1057.299

Net absorbance of hydrocarbons (2930 cm-1)
0.022

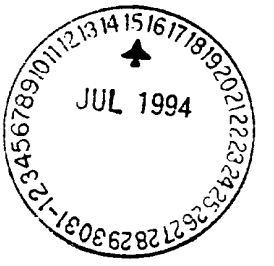
Y: Petroleum hydrocarbons spectrum 15:22



Analytical **Technologies,** Inc.

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

ATI I.D. **407327**



July 14, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **07/08/94**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **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.

Due to background interference in the sample the MS/MSD values were evaluted just outside ATI Quality Control (QC) limits.

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.: 407327

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	945589	NON-AQ	07/06/94	07/11/94	07/11/94	1
11	945590	NON-AQ	07/06/94	07/08/94	07/10/94	10
12	945591	NON-AQ	07/06/94	07/08/94	07/11/94	20

PARAMETER	UNITS	10	11	12
BENZENE	MG/KG	<0.025	0.76	<0.5
TOLUENE	MG/KG	<0.025	25	12
ETHYLBENZENE	MG/KG	<0.025	4.5	3.4
TOTAL XYLENES	MG/KG	0.041	68	50
SURROGATE:				
BROMOFLUOROBENZENE (%)		100	89	72

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 Rincon Unit 37 70969

Elevation
Borehole Location QK- S26- T27- R7
GWL Depth
Logged By CM CHANCE
Drilled By 9/7/95 ~~K Padilla~~ S. Snider
Date/Time Started 9/7/95 - 1510
Date/Time Completed 9/7/95 - 1540

Well Logged By CM Chance
Personnel On-Site 9/7/95 ~~K Padilla~~ D. Roberts, H. Keil
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 13'						
5										
10										
15	1	15-17	10"	Br silty CLAY, soft, low plasticity, dry			0	0	0/4	-1522 hr
				TOB 17'						
20										
25										
30										
35										
40										

Comments: Well P+A'd. Nomeier house. (Marker has well name + coordinates on it)
CMC 109 (15-17') sent to lab (BTEX, TPH) BH grouted to surface

Geologist Signature Cmy 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:	CMC 109	947418
MTR CODE | SITE NAME:	70969	Rincon Unit 37
SAMPLE DATE | TIME (Hrs):	09/07/95	1522
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	9-12-95	
DATE OF BTEX EXT. | ANAL.:	9/8/95	9/12/95
TYPE | DESCRIPTION:	VG	DARK BROWN SAND & CLAY

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)	53.4	MG/KG			1.97	28
HEADSPACE PID	4	PPM				
PERCENT SOLIDS	75.7	%				

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

The Surrogate Recovery was at 97% for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: _____ Date: 9-13-95

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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                 *
*****************************************************
*
 95/09/08  16:21
*
*  Sample identification
 947418
*
*  Initial mass of sample, g
 1.970
*
*  Volume of sample after extraction, ml
 28.000
*
*  Petroleum hydrocarbons, ppm
 63.353
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.018
*
*
*
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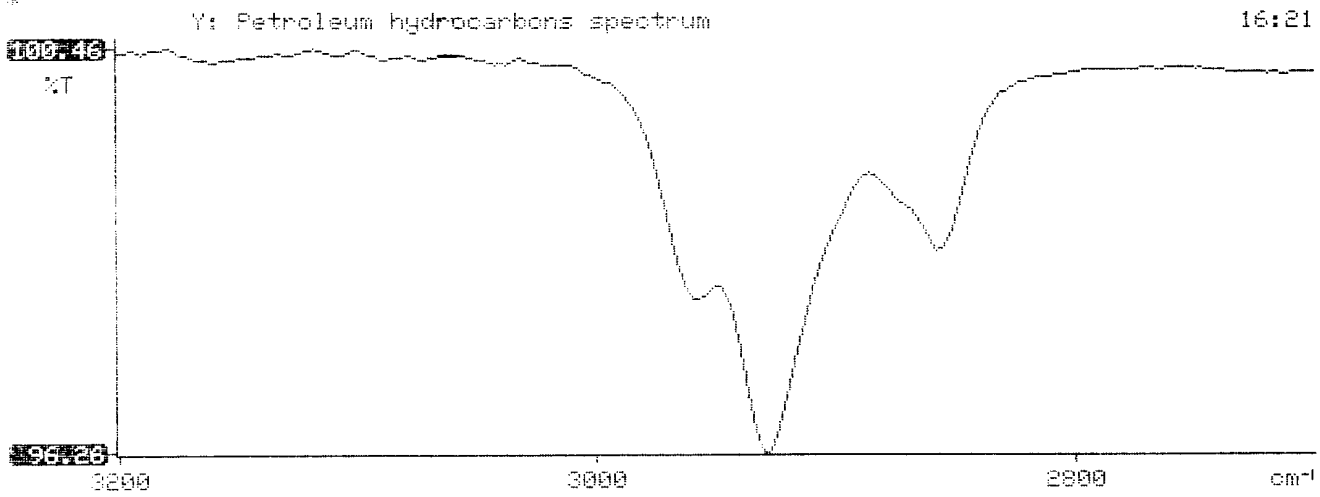

BTEX SOIL SAMPLE WORKSHEET

File	947418	**Date Printed**	9/13/95
Soil Mass (g)	5.04	**Multiplier (L/g)**	0.00099
Extraction vol. (mL)	20	**DF (Analytical)**	200
Shot Volume (uL)	100	**DF (Report)**	0.19841

				Det. Limit
Benzene (ug/L)	0.00	**Benzene (mg/Kg):**	**0.000**	0.496
Toluene (ug/L)	0.00	**Toluene (mg/Kg):**	**0.000**	0.496
Ethylbenzene (ug/L)	0.00	**Ethylbenzene (mg/Kg):**	**0.000**	0.496
p & m-xylene (ug/L)	0.00	p & m-xylene (mg/Kg):	0.000	0.992
o-xylene (ug/L)	0.00	o-xylene (mg/Kg):	0.000	0.496
		Total xylenes (mg/Kg):	**0.000**	1.488
		Total BTEX (mg/Kg):	**0.000**	

EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

947418
5.04g 100mL

File : C:\LABQUEST\CHROM001\091295-1.006
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : CCV 50 ppb
Acquired : Sep 12, 1995 13:31:00
Printed : Sep 12, 1995 13:57:20
User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.410	0	0.0000
a,a,a TFT	4.960	3309591	95.8388
TOLUENE	6.771	0	0.0000
ETHYLBENZENE	10.513	0	0.0000
M & P XYLENE	10.920	115715	-3.9544
O XYLENE	11.927	0	0.0000
BFB	13.457	57904520	96.6280