Terry Gallegos
DEPUTY OIL & GAS INSPECTOR

DEC 2 1 1998

Approved

EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

RINCON UNIT #65
Meter/Line ID - 71578

RECEIVED
JUL 2 1998
OIL CON. DIV.
DIST. 3

SITE DETAILS

Legals - Twn: 27 **Rng:** 07 **Sec:** 23 **Unit:** O
NMOCD Hazard Ranking: 20 **Land Typ** : 2 - Federal
Operator: UNOCAL CORPORATION **P** : **Closure Date:** 12/02/94

RATIONALE FOR RISK-BASED CL(SURE:

The above mentioned production pit was assessed and ranked acc rding to the criteria in the New Mexico Conservation Division's Unlined Surface Impoundment C osure Guidelines.

The primary source, discharge to the pit, has been removed. Th e has been no discharge to the production pit for at least five years and the pit has been closed fo at least three years.

The production pit has been remediated to the practical extent f the trackhoe or to the top of bedrock. Initial laboratory analysis has indicated that the soil emaining 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 rom the excavated area. Any rainfall that does infiltrate the ground surface must migrate throu clean backfill before reaching any residual hydrocarbons remaining in the soil. Therefor further mobility of residual hydrocarbons is unlikely.

Since the soil samples from the initial excavation were above sta dards, a test boring was drilled and a sample was collected to evaluate the vertical extent of imp ct to soils. Test boring sample results indicated soils below standards beneath the original excava ion.

El Paso Field Services Company (EPFS) requests closure of the bove mentioned production pit location for the following reasons:

- Discharge to the pit has not occurred in over five years and ie pit has been closed for over three years.
- The bulk of the impacted soil was removed during the initial e cavation.
- The excavation was backfilled with clean soil and graded to d vert precipitation away from the excavation area.
- All source material has been removed from the ground surf ce, eliminating potential direct contact with livestock and the general public.
- Groundwater was not encountered in the initial excavation or est boring; therefore, impact to groundwater is unlikely.
- Soil samples collected beneath the initial excavation were bel w standards.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soil at the botton of the initial excavation will naturally degrade in time with minimal ri k to the environment.

J:\18954\rbc

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- 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: 71578 Location: RINCON unit #65
Operator #: _____ Operator Name: UNOCAL P/L District: BLANCO
Coordinates: Letter: O Section 23 Township: 27 Range: 7
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: X Line Drip: ___ Other: _____
Site Assessment Date: 11/14/94 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 _____
(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

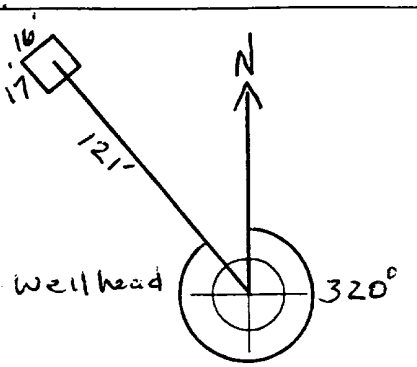
Remarks : Topo - inside Redline - AK 11-14-94 inside

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 320 Footage from Wellhead 121

b) Length : 17 Width : 16 Depth : _____



REMARKS

Remarks :

Pictures 1130 (Z1-24) Roll 1

Pit appears to have been moved. All measurements and angles taken from surficial evidence of old pit location. Estimated center of pit marked w/ Survey lath

Completed By:

Scott T. Ryan

Signature

11/14/94

Date

PHASE I
EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 71578 Location: RINCON UNIT #65

Coordinates: Letter: O Section 23 Township: 27 Range: 7

Or Latitude _____ Longitude _____

Date Started : 12-1-94 Run: 03 32

FIELD OBSERVATIONS

Sample Number(s): KP 356 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 461 PID Reading Depth 12' Feet

	Yes	No
Groundwater Encountered	☐	☒

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation ☒ Approx. Cubic Yards 90

Onsite Bioremediation ☐

Backfill Pit Without Excavation ☐

Soil Disposition:

Envirotech ☒ ☐ Tierra

Other Facility ☐ Name: _____

Pit Closure Date: 12-2-94 Pit Closed By: B.E.I

REMARKS

Remarks : Pit Had allready Been BACK Filled. we dug off Clean Soil Add Hauled off Contaminated Soil. At 12' Soil still the same. closed Pit.

Signature of Specialist: Kelly Padilla

(SP3191) 03/16/94

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP356	946522
MTR CODE | SITE NAME:	71578	Rincon Unit #65
SAMPLE DATE | TIME (Hrs):	12/2/94	0910
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	Gray/ Brown Sand & Clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.50	MG/KG	20			
TOLUENE	3.9	MG/KG	20			
ETHYL BENZENE	5.1	MG/KG	20			
TOTAL XYLENES	43	MG/KG	20			
TOTAL BTEX	52	MG/KG				
HEADSPACE PID	461	PPM				
TPH (418.1)	1,580	MG/KG			1.96	28
PERCENT SOLIDS	88.4	%				

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

The Surrogate Recovery was at * % for this sample All QA/QC was acceptable.
The "D" qualifier indicates the reported result for this analyte is calculated based on a secondary dilution factor.
Narrative:
ATI results attached. *Surrogate recovery not obtainable due to sample dilution.
DF = Dilution Factor Used

Approved By: _____ Date: 12/27/94 Revised 1/9/98

946522.XLS, 1/9/98

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

Perkin-Elmer Model 1600 FT-IR
Analysis Report

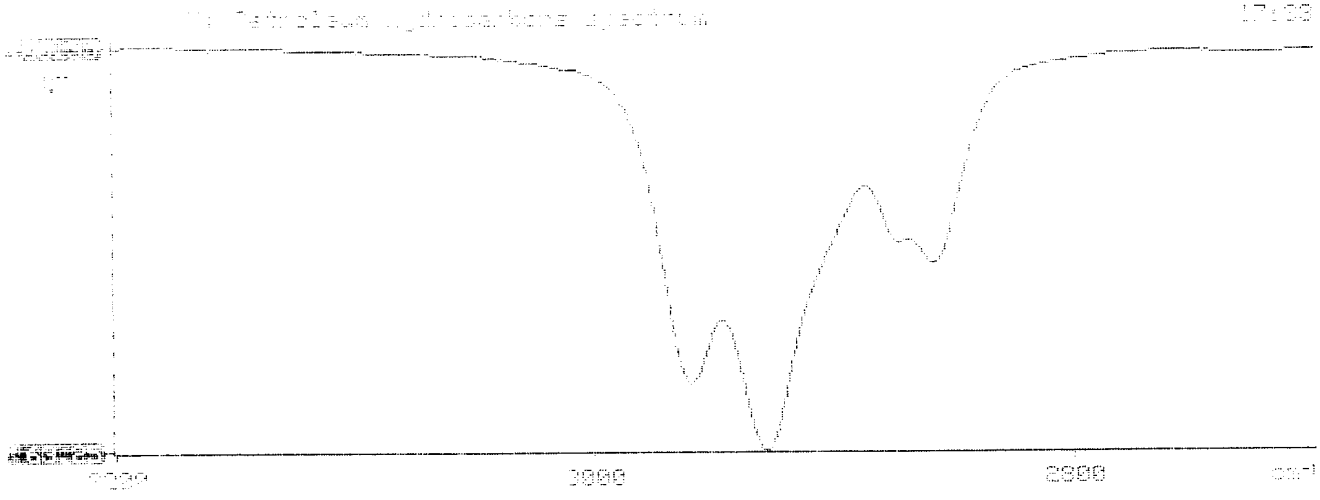
[illegible] 17:02

Sample Identification
[illegible]

Initial mass of sample, g
1.720

Volume of sample after extraction, ml
28.000

Petroleum hydrocarbons, ppm
1377.260
Net absorbance of hydrocarbons (2930 cm-1)
0.498



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 14, 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.

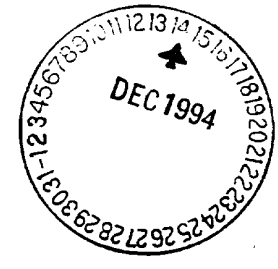
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure



Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

Analytical Technologies, Inc.

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
10	946521	NON-AQ	12/02/94	12/08/94	12/12/94	10
11	946522	NON-AQ	12/02/94	12/08/94	12/12/94	20
12	946523	NON-AQ	12/02/94	12/08/94	12/12/94	1

PARAMETER	UNITS	10	11	12
BENZENE	MG/KG	<0.25	<0.50	<0.025
TOLUENE	MG/KG	<0.25	3.9	0.03
ETHYLBENZENE	MG/KG	0.31	5.1	0.07
TOTAL XYLENES	MG/KG	2.1	43	0.31
SURROGATE:				
BROMOFLUOROBENZENE (%)		94	*	95

*SURROGATE RECOVERY NOT OBTAINABLE DUE TO SAMPLE DILUTION

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 NO 65 71578

Elevation
Borehole Location T27, R7, S23, Ø
GWL Depth
Logged By Jeff W. Kindley
Drilled By K. Padilla
Date/Time Started 09/12/95 1000
Date/Time Completed 09/12/95 1222

Well Logged By Jeff W. Kindley
Personnel On-Site K. Padilla, E. Ramirez, D. Charlie
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	Drilling Conditions & Blow Counts
0				Back Fill material to 12'						
15	1	15-17	1.0/2.0	SW, BL to BR SAND, coarse grained, very dense, hydro carbon odor					115/154	1015 52 blows per Foot
20	2	20-22	1.2/2.0	CL, GR CLAY, dry, hard, low plasticity, hydrocarbon odor					159/143	1030 65 blows per Foot
25	3	25-27	0.3/2.0	S.A.A.					46/127	1050 45 blows per Foot
30	4	30-32	0.2/2.0	SW, BR SAND, Fine-grained, dry, dense, slight odor					84/60	1105 48 blows per Foot
35	5	35-37	0.5/2.0	CL, GR CLAY, dry, hard, low plasticity, no odor. Boring terminated at 37'					0/13	1135 100 blows per foot
40										

Comments: Sample collected From 35 to 37 feet, (sample JWK 64). BH grouted to the surface. **Sample analyzed for BTEX / TPH.**

Geologist Signature Jeffrey Kindley

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:	JWK 64	947450
MTR CODE | SITE NAME:	71578	Rincon Unit No. 65
SAMPLE DATE | TIME (Hrs):	09-12-95	1135
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	9-14-95	
DATE OF BTEX EXT. | ANAL.:	9/14/95	9/15/95
TYPE | DESCRIPTION:	VG	Light 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)	~~2330~~ 32.9 9/15/95	MG/KG			2.06 ~~28~~	28
HEADSPACE PID	13	PPM				
PERCENT SOLIDS	94.3	%				

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

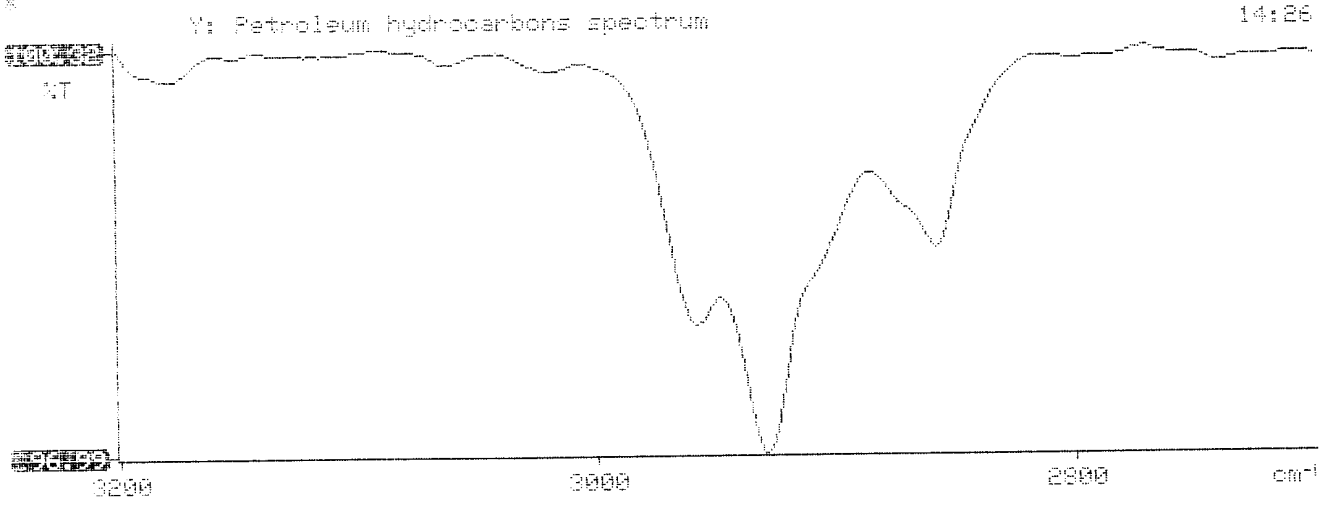
The Surrogate Recovery was at 99% for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: John Zaida Date: 9-18-95

```
**********************************************************
*                    Test Method for                     *
*      Oil and Grease and Petroleum Hydrocarbons         *
*                    in Water and Soil                   *
*                                                        *
*             Perkin-Elmer Model 1600 FT-IR              *
*                    Analysis Report                     *
**********************************************************
*
 95/09/14   14:26
*
*   Sample identification
 947450
*
*   Initial mass of sample, g
 1.070
*
*   Volume of sample after extraction, ml
 20.000
*
*   Petroleum hydrocarbons, ppm
 32.920
*   Net absorbance of hydrocarbons (2930 cm-1)
 0.014
*
*
*
```



BTEX SOIL SAMPLE WORKSHEET

File	947450	**Date Printed**	9/18/95
Soil Mass (g)	5.02	**Multiplier (L/g)**	0.00100
Extraction vol. (mL)	20	**DF (Analytical)**	200
Shot Volume (uL)	100	**DF (Report)**	0.19920

				Det. Limit
Benzene (ug/L)	0.09	**Benzene (mg/Kg):**	**0.018**	0.498
Toluene (ug/L)	0.23	**Toluene (mg/Kg):**	**0.046**	0.498
Ethylbenzene (ug/L)	0.16	**Ethylbenzene (mg/Kg):**	**0.032**	0.498
p & m-xylene (ug/L)	0.64	p & m-xylene (mg/Kg):	0.127	0.996
o-xylene (ug/L)	0.18	o-xylene (mg/Kg):	0.036	0.498
		Total xylenes (mg/Kg):	**0.163**	1.494
		Total BTEX (mg/Kg):	**0.259**	

EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM000\091595-0.002
Method : C:\LABQUEST\METHODS\9000.MET
Sample ID : 947450,5.02G,100U
Acquired : Sep 15, 1995 17:11:24
Printed : Sep 15, 1995 17:41:48
User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	7.983	44247	0.0909
a,a,a-TFT	11.367	13053327	101.1384
TOLUENE	14.377	108074	0.2250
ETHYLBENZENE	19.400	68389	0.1619
M,P-XYLENES	19.817	376820	0.6447
O-XYLENE	21.083	69601	0.1751
BFB	22.827	113351008	99.4412