

Donna E. Frost
DEPUTY OIL & GAS INSPECTOR

EFS PIT CLOSURE SUMMARY

JUL 17 1998

Approved

Rincon Unit # 43
Meter/Line ID - 71029

SITE DETAILS

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

Sec: 25 Unit: K
Land Type: BLM

PREVIOUS ACTIVITIES

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

Excavation: 11/28/94
Re-Excavation: N/A

Soil Boring: 8/31/95
Geoprobe: N/A

CONCLUSIONS

The initial excavation was excavated to the practical extent of the trackhoe, which was 12 feet below ground surface (bgs). PID field screening indicated subsurface soils to be 432 ppm at 12 feet bgs. Excavation was terminated and a sample was collected. Sample analysis indicated total BTEX to be above standards at 179 mg/kg, and TPH was above standards at 4,090 mg/kg. A test boring was drilled in the center of the initial excavation to determine vertical extent of impact to soils. The soil lithology consisted of a tan fine grained sand. A soil sample was collected for BTEX and TPH analysis at 18-20 feet bgs. Laboratory analysis showed all BTEX compounds to be below detection limits and TPH present at 36.4 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 6 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.

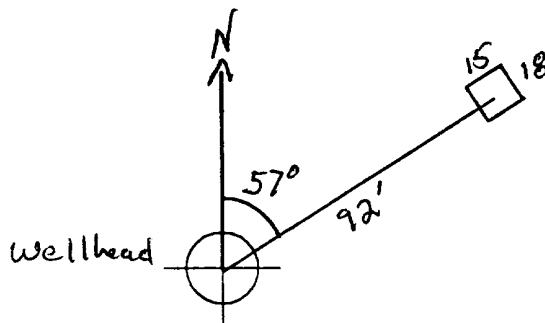
FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>71029</u> Location: <u>Rincon Unit #43</u></p> <p>Operator #: _____ Operator Name: <u>UNOCAL</u> P/L District: <u>Blanco</u></p> <p>Coordinates: Letter: <u>K</u> Section <u>25</u> Township: <u>27</u> Range: <u>7</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>11/15/94</u> Area: <u>03</u> Run: <u>22</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <p>Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p>Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p>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? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Name of Surface Water Body _____</p> <p>(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>20</u> POINTS</p>
REMARKS	<p>Remarks : <u>Inside topo. Inside Redline</u></p>

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

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 57° Footage from Wellhead 92'
 b) Length : 15 Width : 18 Depth : 0



Remarks :

Pictures 0945 (13-16) Roll-4

Pit appeared to have been moved. All measurements taken
from approximate center of old pit. Marked w/ survey
lath

Completed By:

Scott T. Pym

Signature

11/15/91

Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>71029</u> Location: <u>Rincon unit #43</u></p> <p>Coordinates: Letter: <u>K</u> Section <u>25</u> Township: <u>27</u> Range: <u>7</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>11/28/94</u> Run: <u>03</u> <u>22</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>KD 378</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>432 ppm</u> PID Reading Depth _____ Feet</p> <p style="text-align: center;">Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> Approx. Cubic Yards <u>70</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>11/28/94</u> Pit Closed By: <u>BEI</u></p>
REMARKS	<p>Remarks : <u>Uncol had previously closed pit. 10 overburden WAS removed. Excavated pit to 12', took PID sample, closed pit.</u></p>
	<p>Signature of Specialist: <u><i>Henry D...</i></u></p>



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD378	946511
MTR CODE SITE NAME:	71029	Rincon Unit #43
SAMPLE DATE TIME (Hrs):	28-Nov-94	1145
PROJECT:	Phase I Excavation	
DATE OF TPH EXT. ANAL.:	11/29/94	11/29/94
DATE OF BTEX EXT. ANAL.:	12/2/94	12/9/94
TYPE DESCRIPTION:	VC	Brown sand and clay

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<1.2	MG/KG				
TOLUENE	13	MG/KG				
ETHYL BENZENE	120	MG/KG				
TOTAL XYLENES	45	MG/KG				
TOTAL BTEX	179	MG/KG				
TPH (418.1)	4,090	MG/KG			2.05	28.0
HEADSPACE PID	432	PPM				
PERCENT SOLIDS	89.9	%				

-- 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.

Narrative:

Samples analyzed by Analytical Technologies.

* = not obtainable due to sample dilution.

DF = Dilution Factor Used

Approved By:

John L. Linder

Date:

Gr. find 12/27/94
Print 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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04/11/29 15:01

* Sample identification

721511

* Initial mass of sample, g

2.050

* Volume of sample after extraction, ml

59.000

* Petroleum hydrocarbons, ppm

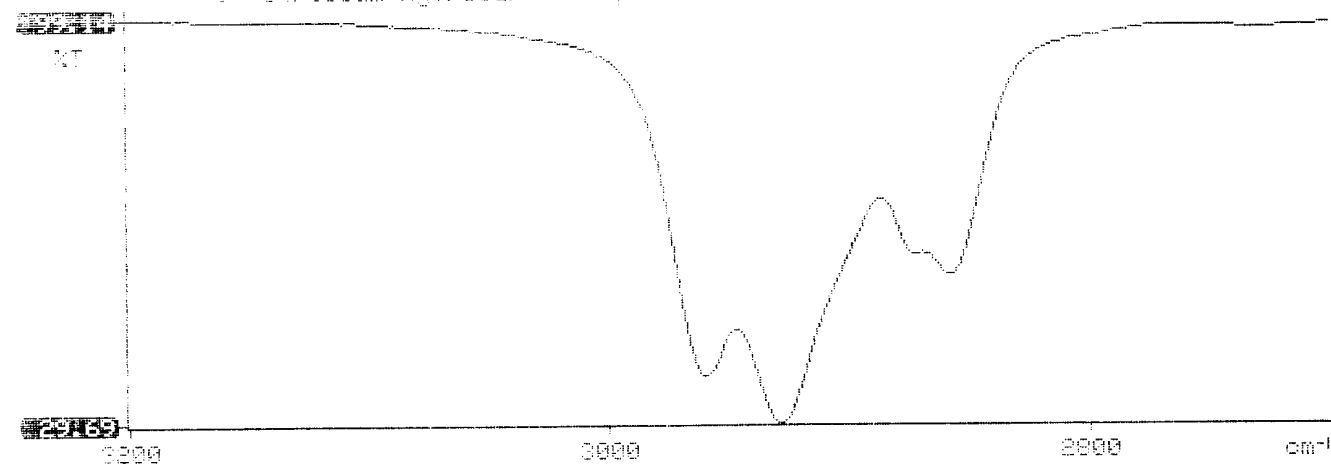
4025.939

* Net absorbance of hydrocarbons (2930 cm⁻¹)

0.521

1/ Petroleum hydrocarbons spectrum

15:01





Analytical **Technologies**, Inc.

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

ATI I.D. **411401**

December 7, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 11/30/94, 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.

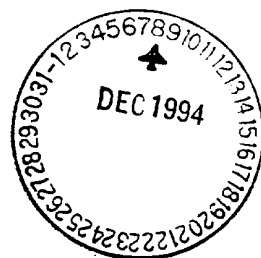
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure





Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 411401
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	946509	NON-AQ	11/23/94	12/01/94	12/03/94	50
08	946510	NON-AQ	11/23/94	12/01/94	12/03/94	50
09	946511	NON-AQ	11/28/94	12/01/94	12/03/94	50
PARAMETER			UNITS	07	08	09
BENZENE			MG/KG	<1.2	2.7	<1.2
TOLUENE			MG/KG	12	42	13
ETHYLBENZENE			MG/KG	130	160	120
TOTAL XYLENES			MG/KG	38	11	45

SURROGATE:

BROMOFLUOROBENZENE (%) NA* NA* NA*

*SURROGATE RECOVERY NOT OBTAINABLE DUE TO SAMPLE DILUTION

PHASE II



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 1 of 1

Project Name EPNG Pits
Project Number 14509 Phase 6000
Project Location Rincon Unit #43, T1029

Elevation _____
Borehole Location T27, R7, S.25, K
GWL Depth _____
Logged By S.Kelly
Drilled By M. Donohue
Date/Time Started 8/31/95, 1235
Date/Time Completed 8/31/95, 1345

Well Logged By S.Kelly
Personnel On-Site M. Donohue, J. O'Keefe
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 BZ BH S			Drilling Conditions & Blow Counts
0				Backfill to 12'						
5										
10										
15										
20	18-20	45' 20'		SAND, tan, fine sand, v. dense, dry, poorly graded					11 27	1305
25				TOB - 20.0'						
30										
35										
40										

Comments:

18'-20' sample (SEK 76) sent to lab (BTE & TPH)
sample was bagged & sealed 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 76	94 7388
MTR CODE SITE NAME:	71029	Rincon Unit #43
SAMPLE DATE TIME (Hrs):	08-31-95	1305
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	9-5-95	
DATE OF BTEX EXT. ANAL.:	9/1/95	9/6/95
TYPE DESCRIPTION:	V6	LIGHT BROWN TANA + SANDSTONE

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< .5	MG/KG				
TOLUENE	< .5	MG/KG				
ETHYL BENZENE	< .5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< .3	MG/KG				
TPH (418.1)	36.4	MG/KG			2.08	28
HEADSPACE PID	27	PPM				
PERCENT SOLIDS	95.1	%				

-- 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:

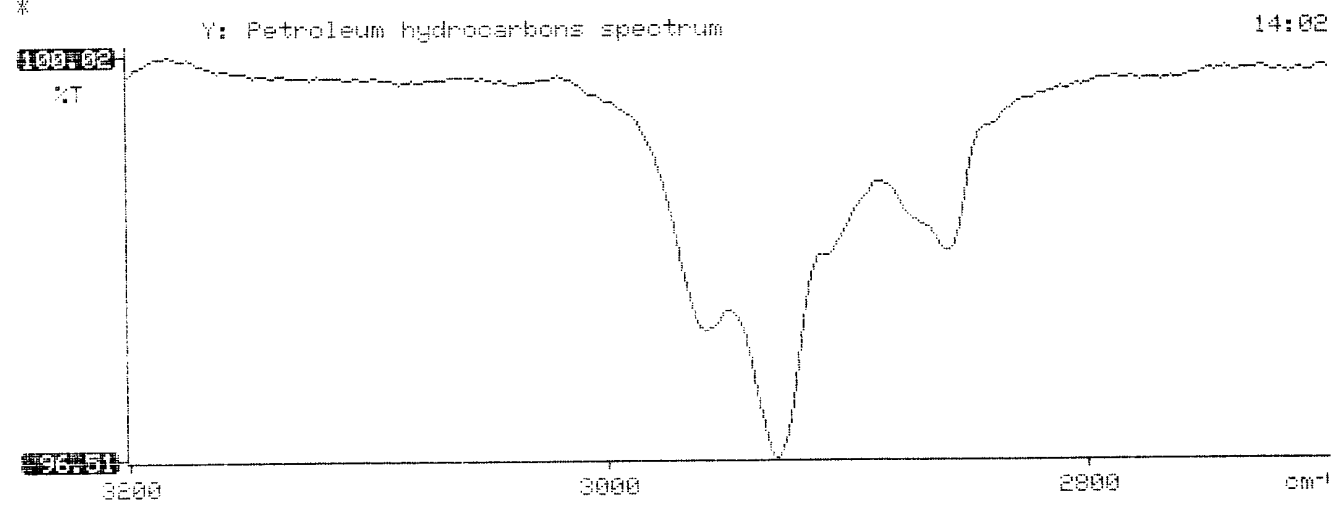
DF = Dilution Factor Used

Approved By: [Signature]

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 14:02
 * Sample identification
 947388
 * Initial mass of sample, g
 2.080
 * Volume of sample after extraction, ml
 28.000
 * Petroleum hydrocarbons, ppm
 36.410
 * Net absorbance of hydrocarbons (2930 cm⁻¹)
 0.015



BTEX SOIL SAMPLE WORKSHEET

File	:	947388	Date Printed	:	9/7/95
Soil Mass (g)	:	4.98	Multiplier (L/g)	:	0.00100
Extraction vol. (mL)	:	20	DF (Analytical)	:	200
Shot Volume (uL)	:	100	DF (Report)	:	0.20080

				Det. Limit
Benzene (ug/L)	:	0.00	Benzene (mg/Kg):	0.000 0.502
Toluene (ug/L)	:	0.00	Toluene (mg/Kg):	0.000 0.502
Ethylbenzene (ug/L)	:	0.00	Ethylbenzene (mg/Kg):	0.000 0.502
p & m-xylene (ug/L)	:	0.00	p & m-xylene (mg/Kg):	0.000 1.004
o-xylene (ug/L)	:	0.00	o-xylene (mg/Kg):	0.000 0.502
			Total xylenes (mg/Kg):	0.000 1.506
			Total BTEX (mg/Kg):	0.000

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

File : C:\LABQUEST\CHROM001\090695-1.019
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : 947388,4.98G,100U
Acquired : Sep 06, 1995 20:34:49
Printed : Sep 06, 1995 21:01:11
User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.390	0	0.0000
a,a,a TFT	4.923	1877688	78.8975
TOLUENE	6.717	0	0.0000
ETHYLBENZENE	10.513	0	0.0000
M & P XYLENE	10.880	177126	-3.3472
O XYLENE	11.877	0	0.0000
BFB	13.430	30768436	87.5977

C:\LABQUEST\CHROM001\090695-1.019 -- Channel A

