

El Paso Field Services
DEPUTY PRODUCTION PIT CLOSURE

DEC 21 1998

RINCON UNIT #67
Meter/Line ID - 71447

RECEIVED
JUL 2 1998

SITE DETAILS

Approved
Legals: Twn: 27 Rng: 07
NMOCD Hazard Ranking: 20
Operator: UNOCAL CORPORATION

Sec: 22 Unit: 1
Land Type: 2 - Federal DIST. 3
Pit Closure Date: 12/01/95

OIL CON. DIV.
DIST. 3

RATIONALE FOR RISK-BASED CLOSURE:

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

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

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

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

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

- Discharge to the pit has not occurred in over five years and the pit has been closed for over three years.
- The bulk of the impacted soil was removed during the initial excavation.
- The excavation was backfilled with clean soil and graded to divert precipitation away from the excavation area.
- All source material has been removed from the ground surface, eliminating potential direct contact with livestock and the general public.
- 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.

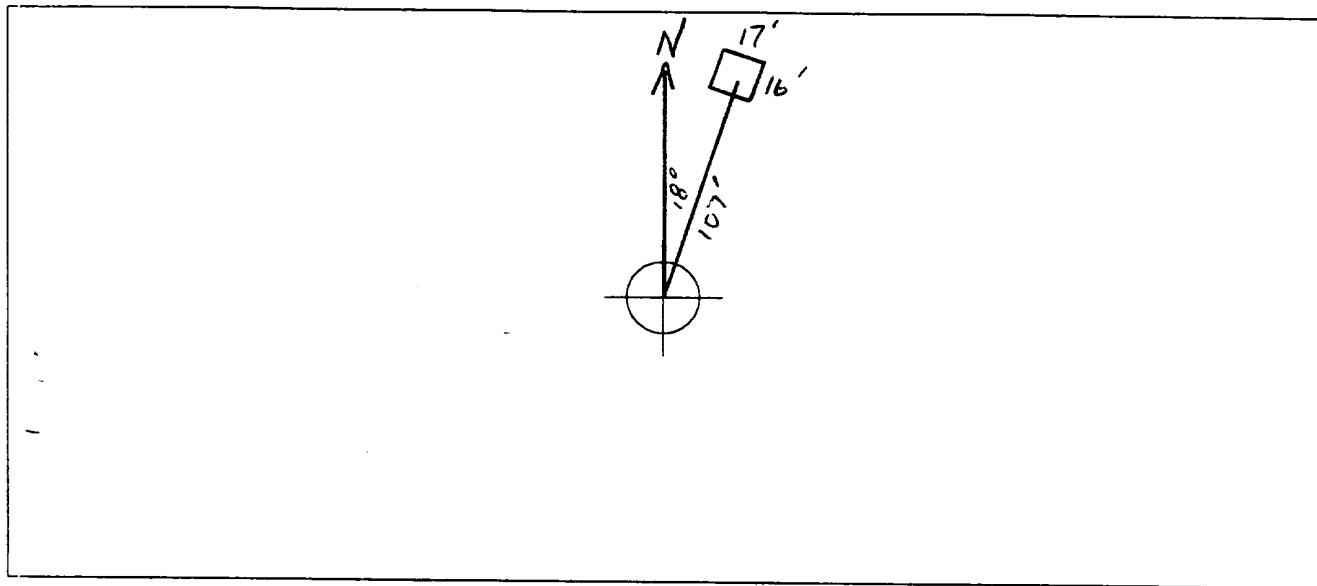
FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>71447</u> Location: <u>RINCON Unit # 67</u></p> <p>Operator #: _____ Operator Name: <u>UNOCAL</u> P/L District: <u>Blanco</u></p> <p>Coordinates: Letter: <u>I</u> Section <u>22</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>11/14/94</u> Area: <u>03</u> Run: <u>32</u></p>
	<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 _____ (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>Topo - Inside</u> <u>Red line - Inside</u></p>

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 18° Footage from Wellhead 107
 b) Length : 16' Width : 17' Depth : 0

ORIGINAL PIT LOCATION



Remarks :

^{852 11/14/94}
Pictures 1030 (99-12) Roll 1
Pit appears to have been moved. All distances and angles
are estimated base on surficial evident of original pit location.
Estimated Center of pit mark by survey lath

REMARKS

Completed By:

Steve T. Pope

Signature

11/14/94

Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>71447</u> Location: <u>RINCON UNIT #67</u></p> <p>Coordinates: Letter: <u>I</u> Section <u>22</u> Township: <u>27</u> Range: <u>2</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>12-1-94</u> Run: <u>03</u> <u>32</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>352</u> <u>353</u> <u>354</u></p> <p>Sample Depth: <u>5'</u> Feet</p> <p>Final PID Reading <u>186</u> PID Reading Depth <u>5'</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>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> Approx. Cubic Yards <u>10</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>12-1-94</u> Pit Closed By: <u>B.E.F.</u></p>
REMARKS	<p>Remarks : <u>Hit Rock At 5' Closed Pit.</u></p> <p>_____</p> <p>_____</p>
	<p>Signature of Specialist: <u>[Signature]</u></p>



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP352	946517
MTR CODE SITE NAME:	71447	Rincon Unit #67
SAMPLE DATE TIME (Hrs):	12/1/94	1050
PROJECT:	PHASE I Excavation	
DATE OF TPH EXT. ANAL.:	12/5/94	12/5/94
DATE OF BTEX EXT. ANAL.:	12/8/94	12/9/94
TYPE DESCRIPTION:	VC	Dark Brown Fine Sand & Clay

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	3.5	MG/KG	50			
TOLUENE	54	MG/KG	50			
ETHYL BENZENE	1.4	MG/KG	50			
TOTAL XYLENES	61	MG/KG	50			
TOTAL BTEX	120	MG/KG				
HEADSPACE PID	186	PPM				
TPH (418.1)	1070	MG/KG			1.99	28
PERCENT SOLIDS	90.3	%				

-- 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:

John Lutch

Date:

12/27/94
Revised 1/9/98

946517, 1/9/98

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*****
1      Test Method for
2      Oil and Grease and Petroleum Hydrocarbons
3      in Water and Soil
4
5      Perkin-Elmer Model 1600 FT-IR
6      Analysis Report
7
8 *****

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9 04/10/88 17:00

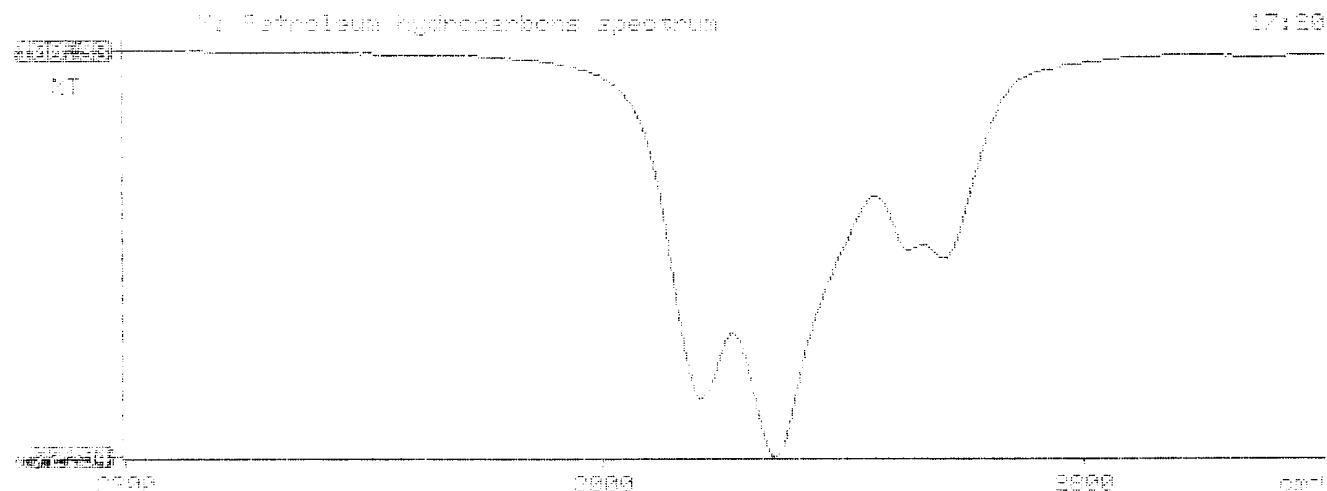
10 Sample Identification
11 106317

12 Initial mass of sample, g
13 1.590

14 Volume of sample after extraction, ml
15 100.000

16 Petroleum hydrocarbons, ppm
17 1071.512

18 Net absorbance of hydrocarbons (2930 cm-1)
19 0.150



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.

Notre Dame

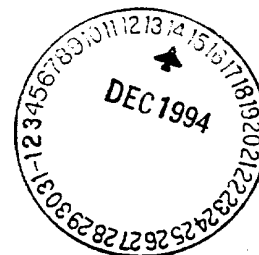
Letitia Krakowski, Ph.D.
Project Manager

A Mitchell Sub

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

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

Rincon Unit #67 71447

Well Logged By

CM Chance

Personnel On-Site

9/7/95 K Padilla S. Snider

Contractors On-Site

Client Personnel On-Site

Drilling Method

4 1/4" ID HSA

Air Monitoring Method

PID, CGI

Elevation

Borehole Location

QT- S22- T27 R 7

GWL Depth

Logged By

CM CHANCE

Drilled By

9/7/95 K Padilla S. Snider

Date/Time Started

9/7/95 - 1125

Date/Time Completed

9/7/95 - 1225

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			Drilling Conditions & Blow Counts
							BZ	BH	HS	
0				Backfill to 0.5'						
5										
10	1	10-10.5	4"	lt br SANDSTONE, vF sand, poorly cemented			0	20	$\frac{169}{578}$	-1148 hr
15	2	15-15.5	3"	AA			0	12	$\frac{29}{68}$	-1154
20	3	20-20.5	3"	lt br silty SAND, vF-F sand, v dense, dry			2	8	$\frac{30}{18}$	-1202
25				TAB 20.5'						
30										
35										
40										

Comments:

Used footage & boring from assessment form to locate pit. CMC 104 (20-20.5') sent to lab (BTEX, TPH). BH grouted to surface

Geologist Signature

Cory Chance



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC 104	947413
MTR CODE SITE NAME:	71447	Rincon Unit #67
SAMPLE DATE TIME (Hrs):	09/07/95	1202
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	9-7-95	
DATE OF BTEX EXT. ANAL.:	9/8/95	9/11/95
TYPE DESCRIPTION:	VG	USHT BROWN SAND + SANDSTONE

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)	PP.3	MG/KG			202	2P
HEADSPACE PID	18	PPM				
PERCENT SOLIDS	95.5	%				

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

The Surrogate Recovery was at 87% for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By: Date: 9-13-95

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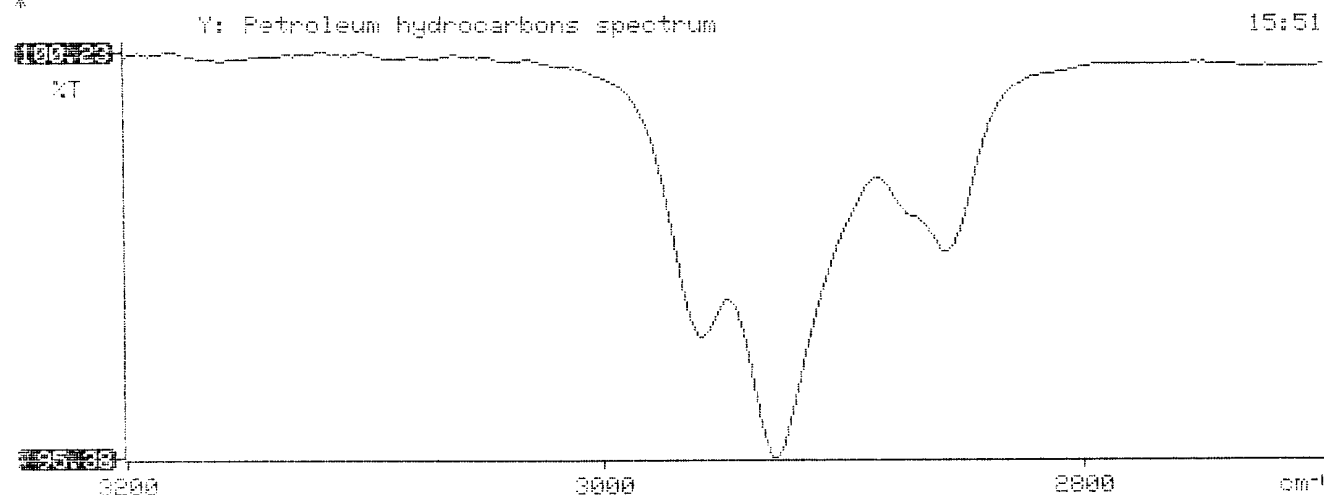
*****
*                                     *
*      Test Method for               *
*      Oil and Grease and Petroleum Hydrocarbons      *
*      in Water and Soil             *
*                                     *
*      Perkin-Elmer Model 1600 FT-IR      *
*      Analysis Report              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

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*      95/09/08   15:51
*
*      Sample identification
*      947413
*
*      Initial mass of sample, g
*      2.020
*
*      Volume of sample after extraction, ml
*      28.000
*
*      Petroleum hydrocarbons, ppm
*      88.279
*      Net absorbance of hydrocarbons (2930 cm-1)
*      0.021
*
*
*

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BTEX SOIL SAMPLE WORKSHEET

File	:	947413	Date Printed	:	9/12/95
Soil Mass (g)	:	4.99	Multiplier (L/g)	:	0.00100
Extraction vol. (mL)	:	20	DF (Analytical)	:	200
Shot Volume (uL)	:	100	DF (Report)	:	0.20040

				Det. Limit
Benzene (ug/L)	:	0.00	Benzene (mg/Kg):	0.000 0.501
Toluene (ug/L)	:	0.00	Toluene (mg/Kg):	0.000 0.501
Ethylbenzene (ug/L)	:	0.00	Ethylbenzene (mg/Kg):	0.000 0.501
p & m-xylene (ug/L)	:	0.00	p & m-xylene (mg/Kg):	0.000 1.002
o-xylene (ug/L)	:	0.00	o-xylene (mg/Kg):	0.000 0.501
			Total xylenes (mg/Kg):	0.000 1.503
			Total BTEX (mg/Kg):	0.000

EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\091195-1.015
 Method : C:\LABQUEST\METHODS\9001.MET
 Sample ID : 947413,4.99G,100U
 Acquired : Sep 12, 1995 02:32:56
 Printed : Sep 12, 1995 02:59:20
 User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.410	0	0.0000
a,a,a TFT	4.927	2840653	82.2593
TOLUENE	6.757	74775	-0.5833
ETHYLBENZENE	10.513	0	0.0000
M & P XYLENE	10.897	296757	-3.2221
O XYLENE	11.927	0	0.0000
BFB	13.450	52112244	86.9622

