

Denise S. Faust
DEPUTY OIL & GAS INSPECTOR

EYE PIT CLOSURE SUMMARY

JUL 17 1998

Approved

Rincon Unit # 39
Meter/Line ID - 70957

SITE DETAILS

Legals - Twn: 27 Rng: 7
NMOCD Hazard Ranking: 40
Operator: UNOCAL

Sec: 26 Unit: F
Land Type: BLM

PREVIOUS ACTIVITIES

Site Assessment: 6/7/94
Monitor Well: N/A

Excavation: 7/6/94
Re-Excavation: N/A

Soil Boring: 9/7/95
Geoprobe: N/A

CONCLUSIONS

The initial excavation 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 238 ppm at 12 feet bgs. Excavation was terminated and a sample was collected. Sample analysis indicated total BTEX to be below standards at 29 mg/kg, and TPH was above standards at 571 mg/kg. A test boring was drilled in the center of the initial excavation to determine the vertical extent of impact to soil. A very hard reddish-brown silty clay (possibly shale) was encountered at 23 feet bgs. Auger refusal occurred at 25 feet bgs and the boring was terminated. A soil sample was collected for BTEX and TPH analysis at 24-25 feet bgs. Laboratory analysis showed all BTEX compounds to be below detection limits and TPH present at 31.7 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 12 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

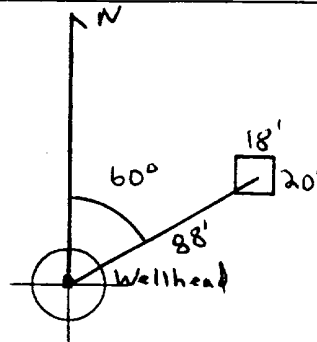
OIL CON. DIV.
DIST. 3

FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>70957</u> Location: <u>Rincon Unit No 39</u> Operator #: <u>9163</u> Operator Name: <u>Unocal</u> P/L District: <u>Blanco</u> Coordinates: Letter: <u>F</u> Section <u>26</u> Township: <u>27</u> Range: <u>7</u> Or Latitude: _____ Longitude: _____ Pit Type: Dehydrator: _____ Location Drip: <input checked="" type="checkbox"/> Line Drip: _____ Other: _____ Site Assessment Date: <u>6/7/94</u> Area: <u>03</u> Run: <u>32</u></p>
	<p>NMOCD Zone: (From NMOCD Maps) 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 checked="" type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>Cerro Canyon</u> (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) 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>40</u> POINTS</p>
REMARKS	<p>Remarks : <u>Redline - Inside</u> <u>1 pit. Will close. Pit Dry</u></p> <p style="text-align: right;"><u>DIG & HAU</u></p>

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 60° Footage from Wellhead 88'
b) Length : 20' Width : 18' - Depth : 4'



REMARKS :

Pictures @ 1224 (1-4) cell 5
Dump Truck

Completed By:

Cory Chase
Signature

6/7/14
Date

FIEP PIT REMEDIATION/CLOSURE FORM

GENERAL	FIELD OBSERVATIONS	CLOSURE	REMARKS
Meter: <u>70957</u> Location: <u>Rincon unit # 39</u> Coordinates: Letter: <u>F</u> Section <u>26</u> Township: <u>27</u> Range: <u>7</u> Or Latitude _____ Longitude _____ Date Started : <u>7/6/94</u> Area: <u>03</u> Run: <u>32</u>	Sample Number(s): <u>KD128</u> Sample Depth: <u>12'</u> Feet Final PID Reading <u>238 ppm</u> PID Reading Depth <u>12'</u> Feet Yes No Groundwater Encountered <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (2) Approximate Depth _____ Feet	Remediation Method : Excavation <input checked="" type="checkbox"/> (1) Approx. Cubic Yards <u>60</u> Onsite Bioremediation <input type="checkbox"/> (2) Backfill Pit Without Excavation <input type="checkbox"/> (3) Soil Disposition: Envirotech <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (3) Tierra Other Facility <input type="checkbox"/> (2) Name: _____ Pit Closure Date: <u>7/6/94</u> Pit Closed By: <u>BEI</u>	Remarks : <u>Excavated pit to 12', took PID Sample, closed p.f.</u> Signature of Specialist: <u>[Signature]</u>



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD 128	945588
MTR CODE SITE NAME:	70957	N/A
SAMPLE DATE TIME (Hrs):	7-6-94	1025
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	7-7-94	7/7/94
DATE OF BTEX EXT. ANAL.:	7/8/94	7/10/94
TYPE DESCRIPTION:	VC	Red Brown Sand/Clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	40.25	MG/KG	10			
TOLUENE	40.25	MG/KG	10			
ETHYL BENZENE	1.6	MG/KG	10			
TOTAL XYLENES	27	MG/KG	10			
TOTAL BTEX	29	MG/KG				
TPH (418.1)	571	MG/KG			2.00	28
HEADSPACE PID	238	PPM				
PERCENT SOLIDS	85.7	%				

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

The Surrogate Recovery was at 122 % for this sample All QA/QC was acceptable.

Narrative:

ATI results attached. Surrogate recovery was outside
ATI QC limits due to matrix interference.

DF = Dilution Factor Used

Approved By: JPDate: 8/8/94

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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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74/07/07 15:18

Sample Identification

641720

Initial mass of sample, g

0.000

Volume of sample after extraction, ml

10.000

Petroleum hydrocarbons, ppm

970.868

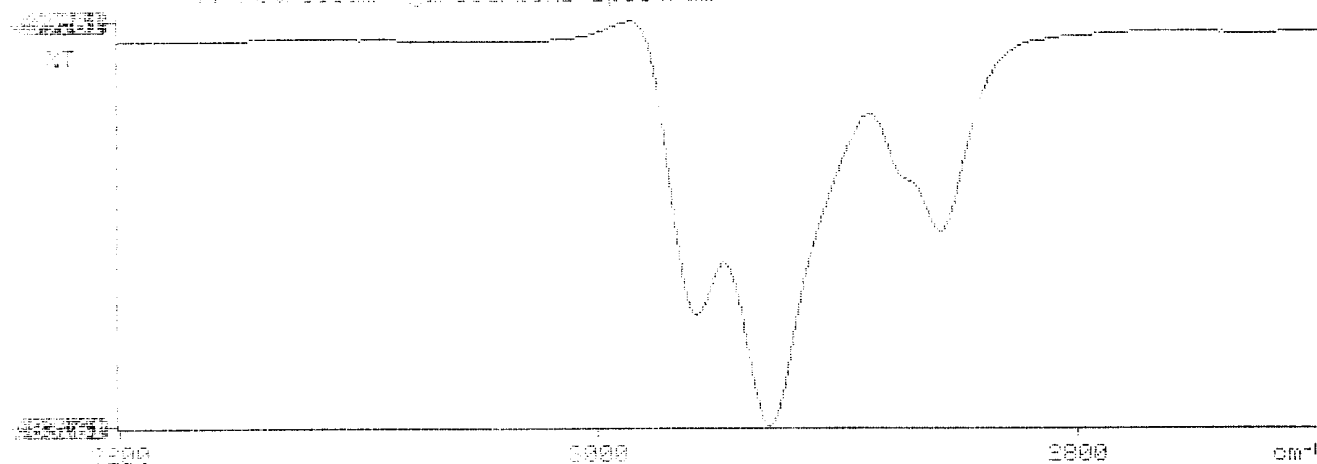
Net absorbance of hydrocarbons (2930 cm⁻¹)

0.074

74/07/07

Y: Petroleum hydrocarbons spectrum

15:19

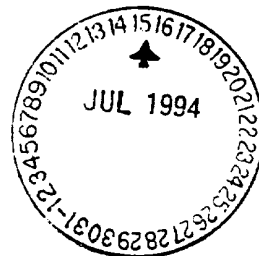




Analytical **Technologies**, Inc.

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 evaluated 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



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
07	945578	NON-AQ	07/05/94	07/08/94	07/10/94	10
08	945579	NON-AQ	07/05/94	07/08/94	07/10/94	10
09	945588	NON-AQ	07/06/94	07/08/94	07/10/94	10
PARAMETER			UNITS	07	08	09
BENZENE			MG/KG	1.7	2.3	<0.25
TOLUENE			MG/KG	93	34	<0.25
ETHYLBENZENE			MG/KG	8.3	17	1.6
TOTAL XYLENES			MG/KG	92	190	27
SURROGATE:						
BROMOFLUOROBENZENE (%)				77	109	122*

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

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 #39 70957

Elevation

Borehole Location QF-S26-T27-R7

GWL Depth

Logged By CM CHANCE

Drilled By ^{CM} K Padilla S. Snider

Date/Time Started 9/7/95-1550

Date/Time Completed 9/7/95-1630

Well Logged By CM Chance

Personnel On-Site ^{CM} K Padilla D. Roberts H Kell

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 HS			Drilling Conditions & Blow Counts
0				Backfill to 12'						
5										
10										
15	1	15-17	10"	Reddish br sandy CLAY, v-f sand, med stiff, low plastic, + gravel			0	0	423 1222	-1552 h
20	2	20-22	5"	Reddish br silty CLAY, v. stiff, non plastic, dry			0	10	94 95	-1557
25	3	24-25	4"	AA			0	8	37 18	-Hard drilling -Refusal @ 24' -1607
30				TDB 25'						
35										
40										

Comments:

Refusal @ 24'. CM CUD (24-25') sent to lab (BTEX, TPH) BH grouted
to surface

Geologist Signature

CM Chance



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC110	947419
MTR CODE SITE NAME:	70957	Rincon Unit 39
SAMPLE DATE TIME (Hrs):	09/07/95	1607
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	9-8-95	
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)	31.7	MG/KG			2.02	28
HEADSPACE PID	18	PPM				
PERCENT SOLIDS	94.9	%				

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

The Surrogate Recovery was at 96% for this sample All QA/QC was acceptable.
Narrative: _____

DF = Dilution Factor Used

Approved By: Date: 9-13-95

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

Perkin-Elmer Model 1600 FT-IR
 Analysis Report

95/09/08 16:25

* Sample identification
 947419

* Initial mass of sample, g
 2.020

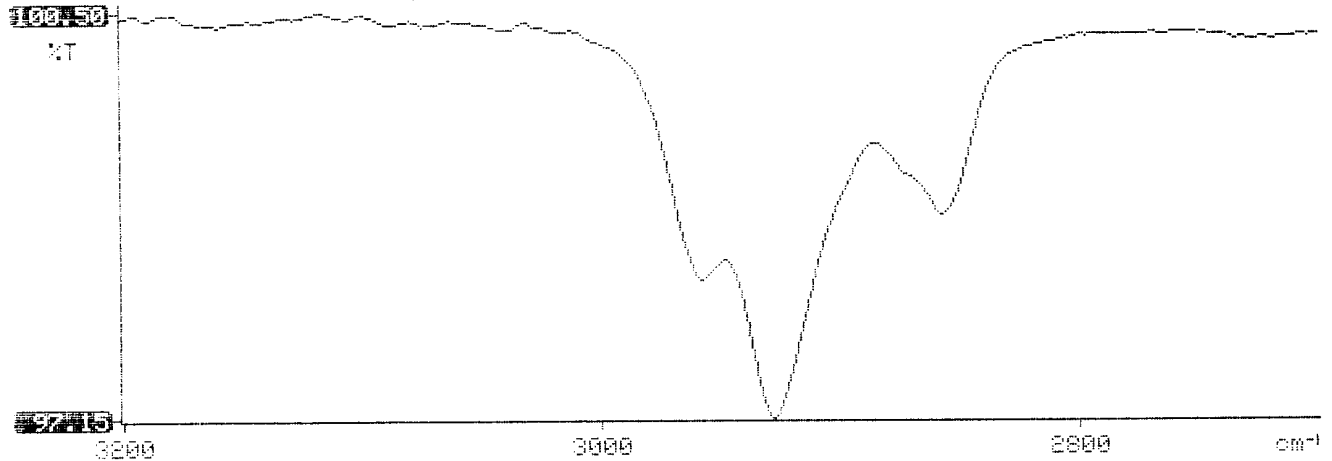
* Volume of sample after extraction, ml
 28.000

* Petroleum hydrocarbons, ppm
 31.731

* Net absorbance of hydrocarbons (2930 cm⁻¹)
 0.014

Y: Petroleum hydrocarbons spectrum

16:25



BTEX SOIL SAMPLE WORKSHEET

File	:	947419	Date Printed	:	9/13/95
Soil Mass (g)	:	5.05	Multiplier (L/g)	:	0.00099
Extraction vol. (mL)	:	20	DF (Analytical)	:	200
Shot Volume (uL)	:	100	DF (Report)	:	0.19802

				Det. Limit
Benzene (ug/L)	:	0.00	Benzene (mg/Kg):	0.000 0.495
Toluene (ug/L)	:	0.00	Toluene (mg/Kg):	0.000 0.495
Ethylbenzene (ug/L)	:	0.00	Ethylbenzene (mg/Kg):	0.000 0.495
p & m-xylene (ug/L)	:	0.00	p & m-xylene (mg/Kg):	0.000 0.990
o-xylene (ug/L)	:	0.00	o-xylene (mg/Kg):	0.000 0.495
			Total xylenes (mg/Kg):	0.000 1.485
			Total BTEX (mg/Kg):	0.000

EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\091295-1.008
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : 947420, 5.05g, 100 mL
Acquired : Sep 12, 1995 14:43:05
Printed : Sep 12, 1995 15:09:49
User : MARLON

947419
5.05g 100 mL

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.410	0	0.0000
a,a,a TFT	4.950	3318856	96.1071
TOLUENE	6.771	0	0.0000
ETHYLBENZENE	10.513	0	0.0000
M & P XYLENE	10.900	115356	-3.9559
O XYLENE	11.927	0	0.0000
BFB	13.450	57759548	96.3861

C:\LABQUEST\CHROM001\091295-1.008 -- Channel A

