# LOSURE SUMMARY

JIL& GAS INSPECTOR

and the same of

JUL 1 7 1998

Lackey # A3 Meter/Line ID - 70148

SITE DETAILS

Rng: 10

Sec: 11

Unit: N

Land Type: BLM

M<del>OCD Hazard Ranking 1</del>80

Operator: Meridian

PREVIOUS ACTIVITIES

Site Assessment: 5/4/94 Monitor Well: N/A

Excavation: 5/13/94

**Soil Boring:** 6/20/95 Geoprobe: N/A

Re-Excavation: 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 397 ppm at 12 feet bgs. Excavation was terminated and a sample was collected. Sample analysis indicated total BTEX to be above standards at 192 mg/kg and TPH was above standards at 3,070 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 below the excavation consisted of a black, fine to medium grained sand, which continued to approximately 26 feet bgs. At 26 feet bgs the soil lithology changed to a dark brown sandy silt, which continued to the termination of the boring at 32 feet bgs. A soil sample was collected for BTEX and TPH analysis at 30-32 feet bgs. Laboratory analysis showed all BTEX compounds to be below laboratory detection limits and TPH present at 48.3 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 18 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.

OIL CON. DIV.

# FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 70148 Location: LACKEY # A3  Operator #: 2999 Operator Name: MERIDIAN P/L District: BloomFIELD  Coordinates: Letter: N Section II Township: 29 Range: 10  Or Latitude Longitude  Pit Type: Dehydrator X Location Drip: Line Drip: Other:  Site Assessment Date: 5.4.94 Area: 10 Run: 73
SITE ASSESSMENT	NMOCD Zone:  (From NMOCD  Maps)  Inside  Outside  Outside  Outside  Outside  Outside  (2)  Indian  Depth to Groundwater  Less Than 50 Feet (20 points)  Fee (3)  Fee (3)  Outside  Outs
REMARKS	Remarks: ONLY PIT ON LOCATION. PIT IS DRY. REDLINE AND TOPO CONFIRMED
MA]	LOCATION TO BE INSIDE THE V.Z.
RE	DIG É HAUL.

	ORIGINAL PIT LOCATION	
	Original Pit : a) Degrees from North 332° Footage fro b) Length : 16′ Width : 14′ Dept	m Wellhead <u>66'</u>
Z	John Mari Dopt	a Back to a
ORIGINAL PIT LOCATION	14' WEILLINEAD 332°	
	Remarks: Took Pictures at 1:16 P.M.	
	ENO DUMP	
RKS		
REMARE		
RI		
	Completed By:	
	Freit Champon 5.4.94	
	Signature Date	,

# PHASE I EXCAVATION

# FIF 7 PIT REMEDIATION/CLOS RE FORM

GENERAL	Meter: 10148 Location: LACKEY LA3  Coordinates: Letter: N Section II Township: 29 Range: 10  Or Latitude Longitude Longitude Date Started: 5-13-94 Area: 10 Run: 73
FIELD OBSERVATIONS	Sample Number(s): $\cancel{12}'$ Feet  Sample Depth: $\cancel{12}'$ Feet  Final PID Reading $\cancel{397}$ PID Reading Depth $\cancel{12}'$ Feet  Yes No  Groundwater Encountered $\square$ (1) $\cancel{y}$ (2) Approximate Depth Feet
CLOSURE	Remediation Method:  Excavation  Onsite Bioremediation  Backfill Pit Without Excavation  Soil Disposition:  Envirotech  Other Facility  Pit Closure Date: 5-13-94  Pit Closed By: Rest
REMARKS	Remarks: SomeLine markers on Location. Remediating To 12'  Soil is Black. At 12 coil still Black. Lots of Sand.  Pit started to Came in Pip 397.  Signature of Specialist: Helly Pollla  (Sp3191) 04/07/94



### FIELD SERVICES LABORATORY ANALYTICAL REPORT

# PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

### SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD48	945175
MTR CODE   SITE NAME:	70148	Lackey #A3
SAMPLE DATE   TIME (Hrs):	13-May-94	1300
PROJECT:	Phase I E	xcavation
DATE OF TPH EXT.   ANAL.:	5/17/94	5/17/94
DATE OF BTEX EXT.   ANAL.:	5/18/94	5/20/94
TYPE   DESCRIPTION:	VC	Grey sand

Field Remarks:	

#### **RESULTS**

PARAMETER	RESULT	UNITS	QUALIFIERS				
			DF	Q	M(e)	V(m))	
BENZENE	<0.02	MG/KG					
TOLUENE	43.2	MG/KG					
ETHYL BENZENE	13.5	MG/KG					
TOTAL XYLENES	135	MG/KG					
TOTAL BTEX	192	MG/KG					
TPH (418.1)	3,070	MG/KG			2.06	28.0	
HEADSPACE PID	397	PPM					
PERCENT SOLIDS	94.3	%					

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 -
The Surrogate Recovery was at 169 % for this sample All QA/QC was acceptable.

Narrative:

Surrogate recovery high due to co-elution.

DF = Dilution Factor Used

Approved By: John Tarda

Original: 7/14/44

Date: Re-print: 2/10/44

94/05/17 13:03

Sample identification
945175

# Initial mass of sample, g
 2.060

Volume of sample after extraction, ml 28.000

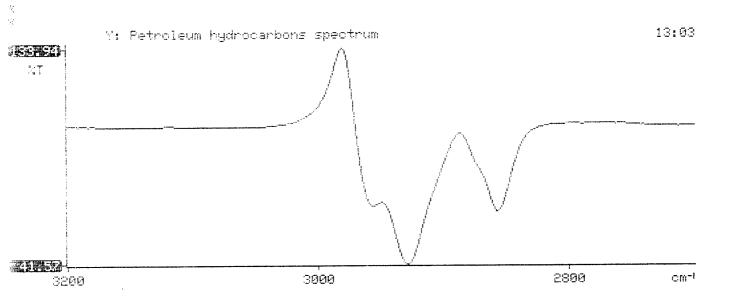
: Petroleum hydrocarbons, ppm 3074.833

Net absorbance of hydrocarbons (2930 cm-1)

0.386

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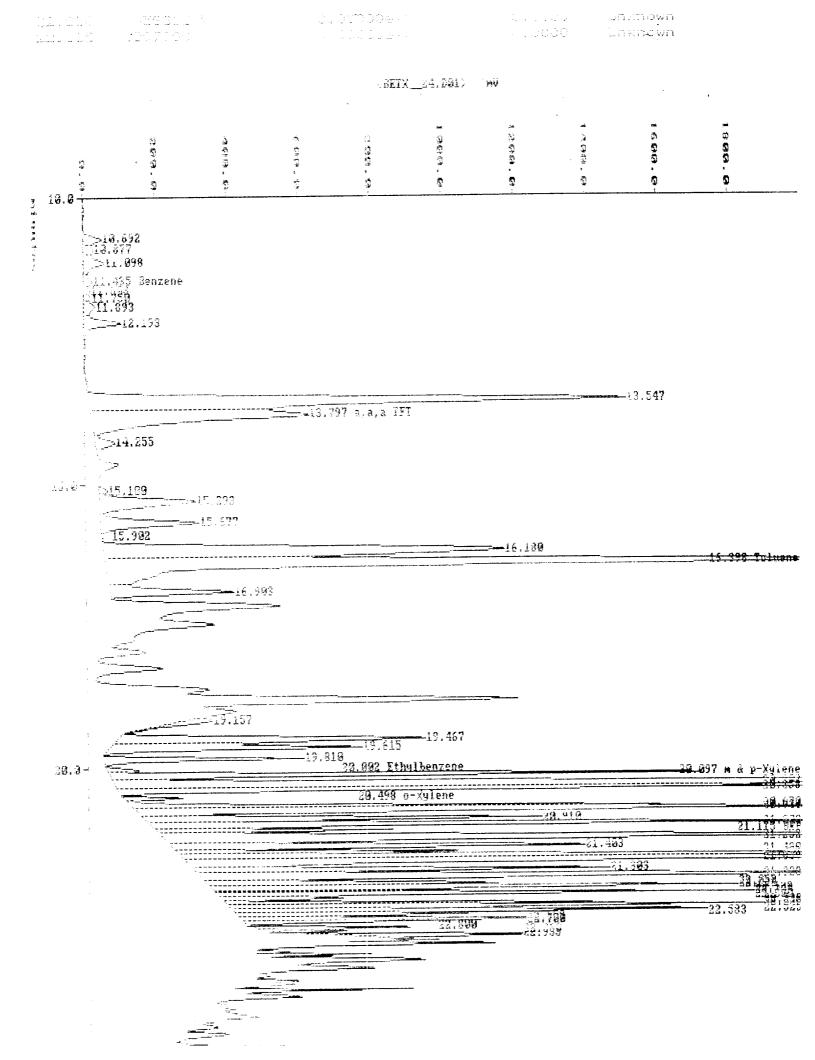


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Bumpla Amt : 0.00000erd | Dilution: 5.0000erd

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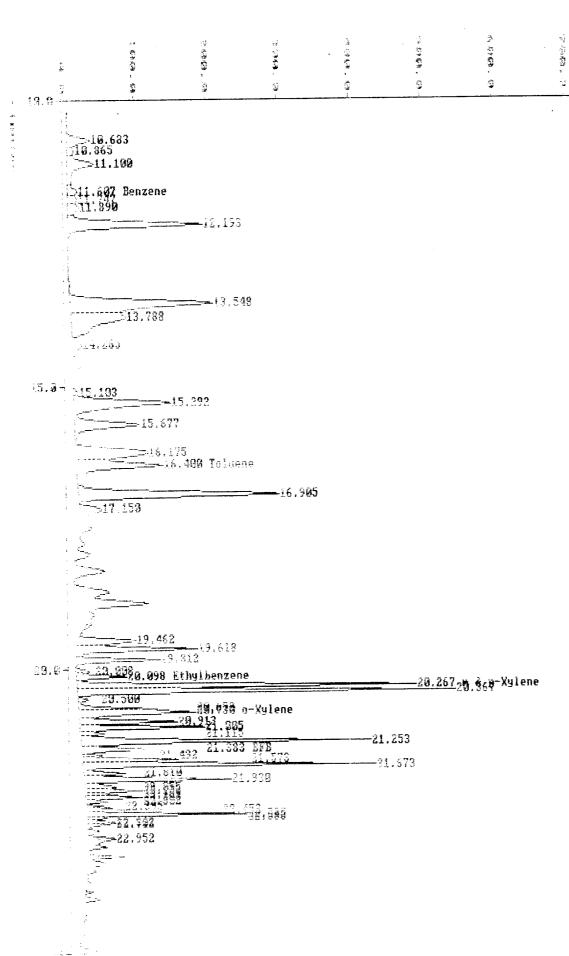
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Cohn Lambdin Sample

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# PHASE II

#### RECORD OF SUBSURFACE L LORATION

Philip Environmental Services Corp.
4000 Monroe Road
Fermington, New Mexico 87401
(506) 328-2262 FAX (606) 328-2388

Elevation .	
Borehole Location	
GWL Depth	
Logged By S.	Kelly
Drilled By	L. Padila
Date/Time Started	6120195, 1030
Date/Time Completed	6/201951 1040

Borehole # BH-|
Well # Page | of |
S Phase | 601 | 6000.

Project Name
Project Number
Project Location
Project Location
Project Location
Project Number
Pr

Well Logged By
Personnel On-Site
Contractors On-Site
Client Personnel On-Site

Drilling Method 4/4/175 HSA

Depth	Sample	Sample	Sample Type &	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change		Monitor	-	Drilling Conditions & Blow Counts
(Feet)	Number	Interval	Recovery (inches)	Classification System. Coop		(feet)	BZ	вн	s	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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_ 20 	2	20-	.5	SAA					<u>25</u> 37]	1043
25 30 30 35	3 4	27	1 1	SAA  SandySILT, clork brown,  Fine sand, loose, damp W/trace clay SAA with 15-25% fine Sand.  BOH 3Z'		zb			4153237	1050 staff slough slough 1105 in split spoon is 1130 small amo of clean record soil. At 30:32 enough clean recovery to sample.
40										Sample.

Comments: 30-32' sample (SEKIG) sent to lab (BTEX 4TPH) BH growted to surface. Sample was bagged and iced before being put into jar.

Geologist Signature



# FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone:

# SAMPLE IDENTIFICATION

	Field ID	Lab ID	**
SAMPLE NUMBER:	SEKILO	944916	1000
MTR CODE   SITE NAME:	70148	N/A	*(%)
SAMPLE DATE   TIME (Hrs):	6-20-95	1130	19 <b>%</b> 0.
SAMPLED BY:		N/A	(1988)
DATE OF TPH EXT.   ANAL.:	6-21.95	4-21-95	
DATE OF BTEX EXT.   ANAL.:	6 - 22 - 95	6-22-95	
TYPE   DESCRIPTION:	VG	Bown Same	
, · · · · · · · · · · · · · · · · · · ·			

REMARKS:	

#### **RESULTS**

PANALETED A	RESULT	UNITS	QUALIFIERS			
PARAMETER			DF	Q	M(g)	V(mi)
BENZENE	<0.025	MG/KG	1			
TOLUENE	40.025	MG/KG	1		·.	
ETHYL BENZENE	(0.02 <b>5</b>	MG/KG				
TOTAL XYLENES	₹0,0 <b>2</b> \$	MG/KG	)			
TOTAL BTEX	40.10	MG/KG				dent grandens
TPH (418.1)	19.3	MG/KG			1.99	18
HEADSPACE PID	~	PPM				190
PERCENT SOLIDS	95.2	%			th Martin	

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:	red		· · · · · · · · · · · · · · · · · · ·				
DF = Dilution Factor Used	)	<u>,, , , , , , , , , , , , , , , , , , ,</u>		2/4/20			

Approved By:

\*

Test Method for

Oil and Grease and Petroleum Hydrocarbons

in Water and Soil

\*

95/06/21 12:51

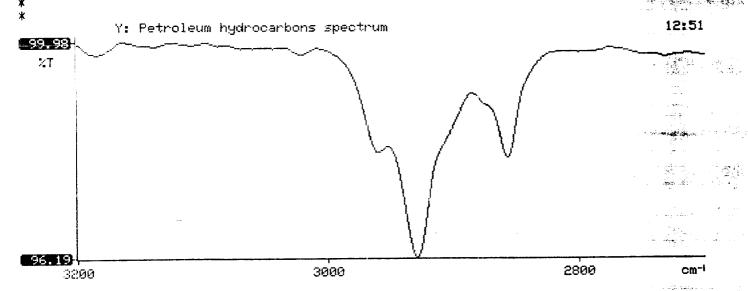
Sample identification 946915

Initial mass of sample, g

Volume of sample after extraction, ml 28.000

Petroleum hydrocarbons, ppm

Net absorbance of hydrocarbons (2930 cm-1) 0.016



\$256 \ **19.6**65

7 THE

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

ATI I.D. 506401

June 27, 1995

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

Project Name/Number: PIT CLOSURE/PHASE II 24324

Attention: John Lambdin

On 06/22/95, 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.

Kimberly D. McNeill Project Manager

MR:gsm

Enclosure

H. Mitchell Rubenstein, Ph.D.

Laboratory Manager



#### GAS CHROMATOGRAPHY RESULTS

TEST

: BTEX (EPA 8020)

CLIENT

: EL PASO NATURAL GAS CO. ATI I.D.:

506401

PROJECT #

: 24324

PROJECT NAME : PIT CLOSURE/PHASE II

SAMPLE		DATE	DATE	DATE DIL.		
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED		FACTOR
04	946915	QA-NON	06/20/95	06/22/95	06/22/95	11
05	946916	NON-AQ	06/20/95	06/22/95	06/22/95	1
06	946917	NON-AQ	06/20/95	06/22/95	06/23/95	1
PARAMI	ETER		UNITS	04	05	06
BENZE	NE		MG/KG	<0.025	<0.025	<0.025
TOLUE	NE		MG/KG	<0.025	<0.0 <b>25</b>	<01.025
ETHYL	BENZENE		MG/KG	0.047	<0.025	<0.025
TOTAL	XYLENES		MG/KG	0.34	<0.025	<0.025
					Section .	
SURRO	GATE:				se produce the second	, 45 (M)
BROMO	FLUOROBENZENE (%	)		113	9 <b>6</b> *	94