

Denny E. Foust
DEPUTY STATE DIRECTOR

ENCLOSURE SUMMARY

JUL 17 1998

Approved

Huerfanito No. 17-2

Meter/Line ID - 71093

SITE DETAILS

Legals - Twn: 26

Rng: 9

Sec: 2

Unit: N

NMOCD Hazard Ranking: 30

Land Type: STATE

Operator: Meridian

PREVIOUS ACTIVITIES

Site Assessment: 6/23/94

Excavation: 8/15/94

Soil Boring: 8/14/95

Monitor Well: N/A

Re-Excavation: N/A

Geoprobe: N/A

CONCLUSIONS

The 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 17 ppm at 12 feet bgs. Excavation was terminated and a sample was collected and analyzed for BTEX and TPH. Sample analysis indicated total BTEX to be below standards at .102 mg/kg and TPH was above standards at 109 mg/kg. A test boring was drilled in the center of the initial excavation to determine the vertical extent of the impact to soils. The soil lithology consisted of a brown fine grained sand, which continued to the termination of the boring at 22 feet bgs. A sample was collected for BTEX and TPH analysis at 20-22 feet bgs. Laboratory analysis showed total BTEX to be below laboratory detection limits and TPH present at 96.3 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 8 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

6

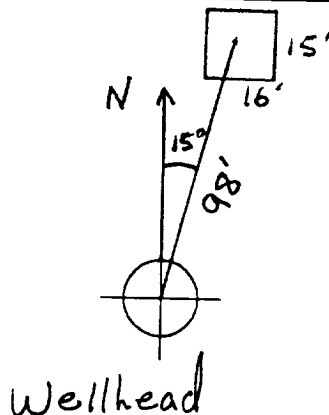
GENERAL	<p>Meter: <u>71093</u> Location: <u>Huerfano No. 17-2</u> Operator #: <u>2999</u> Operator Name: <u>Meridian</u> P/L District: <u>Ballard</u> Coordinates: Letter: <u>N</u> Section <u>2</u> Township: <u>26N</u> Range: <u>9W</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____ Site Assessment Date: <u>6-23-94</u> Area: <u>11</u> Run: <u>51</u></p>	
	<p>NMOCD Zone: (From NMOCD Maps) Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p>Land Type: <u>K6W 6-29-94</u> BLM <input checked="" type="checkbox"/> (1) State <input checked="" 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 checked="" type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>Reed Canyon Wash</u> (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>30</u> POINTS</p>	
REMARKS	<p>Remarks : <u>One pit on location. Dry</u> <u>Inside V.Z. on Redline & Topo</u></p>	

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 OIL CON. DIV.
 DIST. 3

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 15° Footage from Wellhead 98
b) Length : 16 Width : 15 Depth : 3



REMARKS

Remarks :

Photos - 1150

Completed By:

[Signature]

Signature

6-23-94

Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>71093</u> Location: <u>Heverton NO. 17-2</u></p> <p>Coordinates: Letter: <u>N</u> Section <u>2</u> Township: <u>26</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>8-15-94</u> Run: <u>41</u> <u>51</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>187</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>017</u> PID Reading Depth <u>12'</u> Feet</p> <p>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>50</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: _____ Pit Closed By: <u>B.C.I</u></p>
REMARKS	<p>Remarks : <u>SOME LINE MARKERS ON LOCATION. STARTED</u> <u>REMEDICATING TO 12'. AT 12' SOIL LOOKING CLEAN. SAMPLE</u> <u>017 CLOSED PIT.</u></p>
	<p>Signature of Specialist: <u>Kelly LaBelle</u></p>



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	K7137	945932
MTR CODE SITE NAME:	71093	N/A
SAMPLE DATE TIME (Hrs):	8-15-94	1221
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	8-16-94	8-16-94
DATE OF BTEX EXT. ANAL.:	8/17/94	8/20/94
TYPE DESCRIPTION:	VC	Fine Lt. Brown Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.025	MG/KG				
TOLUENE	0.027	MG/KG				
ETHYL BENZENE	< 0.025	MG/KG				
TOTAL XYLENES	< 0.025	MG/KG				
TOTAL BTEX	0.102	MG/KG				
TPH (418.1)	109	MG/KG			2.24	28
HEADSPACE PID	17	PPM				
PERCENT SOLIDS	96.1	%				

-- 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:

ATTI results attached.

DF = Dilution Factor Used

Approved By:

Date:

9/2/94

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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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07/25/16 14:05

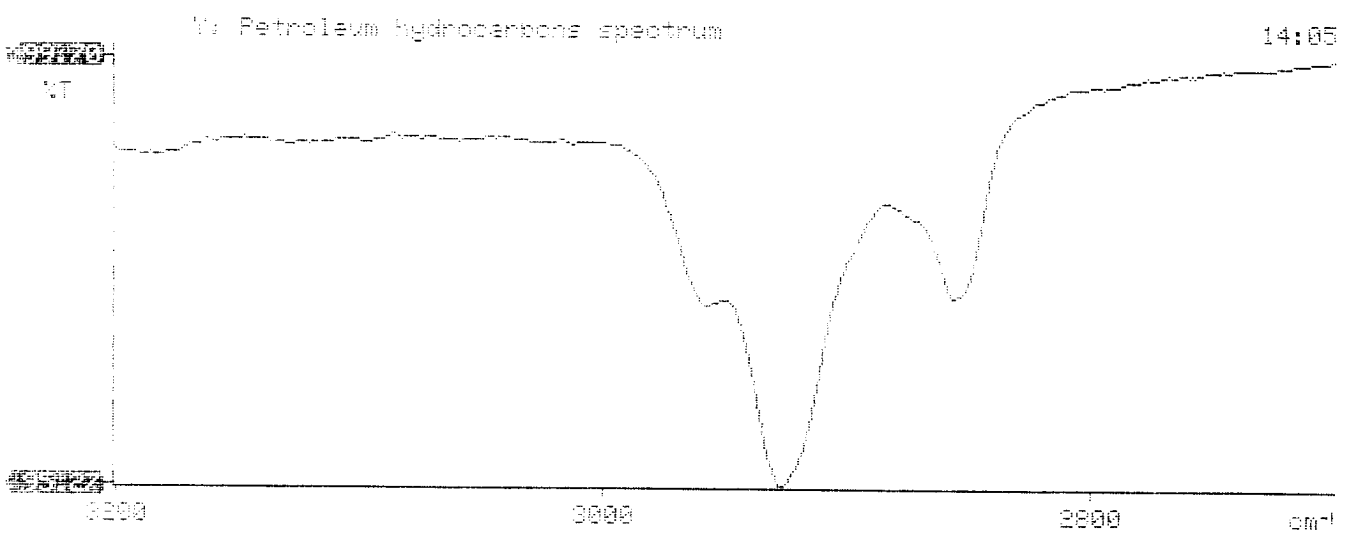
Sample Identification
443972

Initial mass of sample, g
1.040

Volume of sample after extraction, ml
18.000

Petroleum hydrocarbons, ppm
107.441

Net absorbance of hydrocarbons (2930 cm⁻¹)
.018





Analytical **Technologies**, Inc.

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

ATI I.D. 408364

August 24, 1994

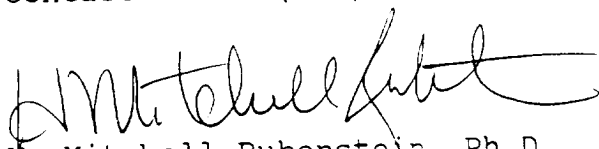
El Paso Natural Gas Company
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 08/17/94, 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.


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.: 408364
 PROJECT # : 24324
 PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
19	945931	NON-AQ	08/15/94	08/17/94	08/20/94	1
20	945932	NON-AQ	08/15/94	08/17/94	08/20/94	1
21	945933	NON-AQ	08/15/94	08/17/94	08/20/94	1

PARAMETER	UNITS	19	20	21
BENZENE	MG/KG	<0.025	<0.025	<0.025
TOLUENE	MG/KG	<0.025	0.027	<0.025
ETHYLBENZENE	MG/KG	<0.025	<0.025	<0.025
TOTAL XYLENES	MG/KG	<0.025	<0.025	<0.025

SURROGATE:

BROMOFLUOROBENZENE (%) 84 87 88

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 Huerfano No 17-2 71093

Elevation _____
Borehole Location T 26N, R 9W, S 2, N
GWL Depth _____
Logged By Jeff W. Kindley
Drilled By M. Donahue
Date/Time Started 8/14/95 1210
Date/Time Completed 8/14/95 1345

Well Logged By Jeff W. Kindley
Personnel On-Site M. Donahue, J. O'Keefe
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/H			Drilling Conditions & Blow Counts
0				Backfill material to 12'						
5										
10										
15										
20	1	20-22	10 2.0	SAND, Brown, Fine grained, Loose, Dry Boring terminated at 22'					0/0	1250
25										
30										
35										
40										

Comments:

Had to remove fence around pit in order to drill. Collected sample
at 20 to 22' and submitted it for BTEX/TPH analysis.
BH grouted to surface and fence placed back around pit

Geologist Signature

Jeff W. Kindley



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JWK 10	947226
MTR CODE SITE NAME:	71093	Huerfano No. 17-2
SAMPLE DATE TIME (Hrs):	08-14-95	12:50
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	8/15/95	8/15/95
DATE OF BTEX EXT. ANAL.:	8/19/95	8/19/95
TYPE DESCRIPTION:	VG	Brown fine sand + clay

Field Remarks: (20-22')

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	LO.025	MG/KG	1			
TOLUENE	LO.025	MG/KG	1			
ETHYL BENZENE	LO.025	MG/KG	1			
TOTAL XYLENES	LO.025	MG/KG	1			
TOTAL BTEX	LO.10	MG/KG				
TPH (418.1)	96.3 ^{PPM} _{8/28/95}	MG/KG			2.0	28
HEADSPACE PID	Ø	PPM				
PERCENT SOLIDS	89.5	%				

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

The Surrogate Recovery was at 105 for this sample All QA/QC was acceptable.

Narrative:

ATI Results attached.

DF = Dilution Factor Used

Approved By:

A.R.

Date:

8/28/95

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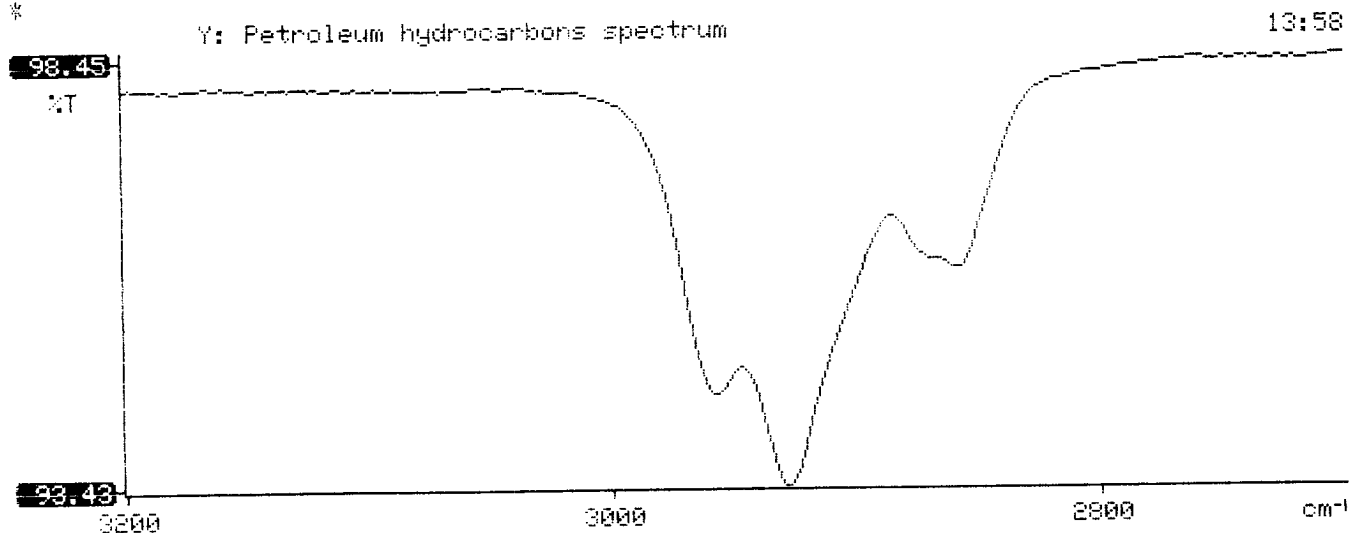
*****
*                               *
*      Test Method for         *
*      Oil and Grease and Petroleum Hydrocarbons *
*      in Water and Soil      *
*                               *
*      Perkin-Elmer Model 1600 FT-IR *
*      Analysis Report         *
*                               *
*****

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* 95/08/15 13:58
*
* Sample identification
* 947226
*
* Initial mass of sample, g
* 2.010
*
* Volume of sample after extraction, ml
* 28.000
*
* Petroleum hydrocarbons, ppm
* 96.287
* Net absorbance of hydrocarbons (2930 cm-1)
* 0.022
*
*
*

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Analytical **Technologies**, Inc.

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

ATI I.D. **508403**

August 22, 1995

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

Project Name/Number: PIT CLOSURE/PHASE I, II, III 24324

Attention: John Lambdin

On 08/17/95, 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:jt

Enclosure

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager



GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
 CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 508403
 PROJECT # : 24324
 PROJECT NAME : PIT CLOSURE/PHASE I, II, III

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	947213	NON-AQ	08/11/95	08/19/95	08/19/95	1
02	947226	NON-AQ	08/14/95	08/19/95	08/19/95	1
03	947227	NON-AQ	08/14/95	08/19/95	08/19/95	1
PARAMETER			UNITS	01	02	03
BENZENE			MG/KG	<0.025	<0.025	<0.025
TOLUENE			MG/KG	<0.025	<0.025	<0.025
ETHYLBENZENE			MG/KG	<0.025	<0.025	<0.025
TOTAL XYLENES			MG/KG	<0.025	<0.025	<0.025

SURROGATE:

BROMOFLUOROBENZENE (%) 110 105 105