FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 71035 Location: SCHULTZ No 3
Operator #: 2999 Operator Name: MOE P/L District: Ballard
Coordinates: Letter: M Section 16 Township: 27 Range: 8
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: ✓ Line Drip: ___ Other: _____
Site Assessment Date: 6/10/94 Area: 07 Run: 32

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside ☒ (1)
Outside ☐ (2)

Land Type:
BLM ☐ (1)
State ☒ (2)
Fee ☐ (3)
Indian _____

Depth to Groundwater
Less Than 50 Feet (20 points) ☒ (1)
50 Ft to 99 Ft (10 points) ☐ (2)
Greater Than 100 Ft (0 points) ☐ (3)

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? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body
Less Than 200 Ft (20 points) ☒ (1)
200 Ft to 1000 Ft (10 points) ☐ (2)
Greater Than 1000 Ft (0 points) ☐ (3)
Name of Surface Water Body Star Canyon

RECEIVED
MAR - 9 1994
OIL CON. DIV.
DIST. 3

(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)
Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 40 **POINTS**

REMARKS

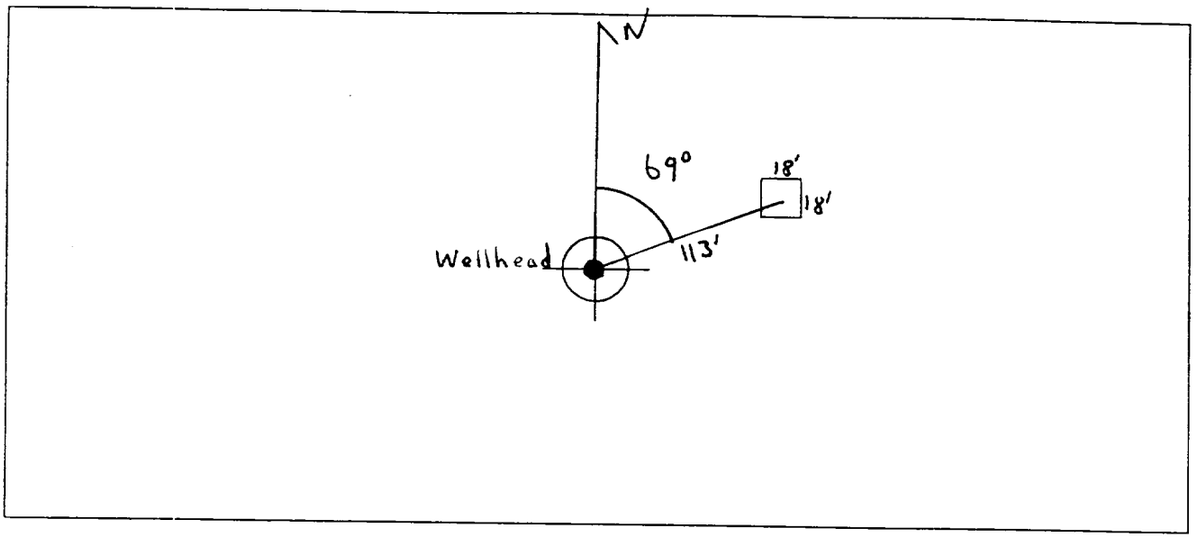
Remarks : Redline Book - Inside, Vulnerable Area Topo - Inside
Meter chart shows Meridian as operator. Location sign shows EPNG
1 pit. Will close. Pit Dry
DIG+HAUL

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 69° Footage from Wellhead 113'

b) Length : 18' Width : 18' Depth : ~~4~~ 3' 6/10/94



REMARKS

Remarks :

Pictures @ 1259 (12-15)

End Dump

Completed By:

Cory Chase
Signature

6/10/94
Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 71035 Location: SCHULTZ #3

Coordinates: Letter: M Section 16 Township: 27 Range: 8

Or Latitude _____ Longitude _____

Date Started : 8-2-94 Run: 07 32

FIELD OBSERVATIONS

Sample Number(s): KP 164 _____ _____ _____

Sample Depth: 9' Feet

Final PID Reading 130 PID Reading Depth 9' Feet

	Yes	No
Groundwater Encountered	☐	☒

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation ☒ Approx. Cubic Yards 50

Onsite Bioremediation ☐

Backfill Pit Without Excavation ☐

Soil Disposition:

Envirotech ☒ ☐ Tierra

Other Facility ☐ Name: _____

Pit Closure Date: 8-2-94 Pit Closed By: B.E.I

REMARKS

Remarks : Some Lite markers on location. Started Remediating to 12' At 9' Hit SAND Stone.

Signature of Specialist: Kelly Padilla

(SP3191) 03/16/94

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 144	945817
MTR CODE | SITE NAME:	71035	N/A
SAMPLE DATE | TIME (Hrs):	8-2-94	1545
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	8/4/94	8/4/94
DATE OF BTEX EXT. | ANAL.:	8/8/94	8/8/94
TYPE | DESCRIPTION:	VC	Dark grey coarse sand

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.25	MG/KG	1			
TOLUENE	16	MG/KG	1			
ETHYL BENZENE	1.7	MG/KG	1			
TOTAL XYLENES	21	MG/KG	1			
TOTAL BTEX	39	MG/KG				
TPH (418.1)	888	MG/KG			2.04	28
HEADSPACE PID	130	PPM				
PERCENT SOLIDS	94.2	%				

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

The Surrogate Recovery was at 167 % for this sample All QA/QC was acceptable.

Narrative:
ATI results attached Surrogate recovery was outside ATI QC limits due to matrix interferan

DF = Dilution Factor Used

Approved By: J.S. Date: 9/2/94

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

Perkin-Elmer Model 1600 FT-IR
Analysis Report
****

?4/08/04 11:31

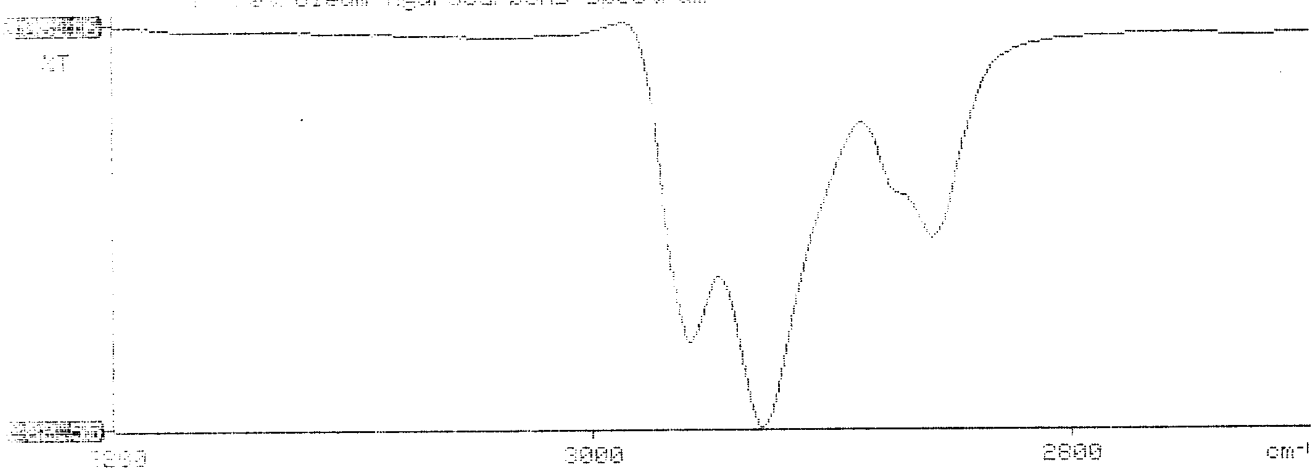
Sample identification
?43617

Initial mass of sample, g
?.040

Volume of sample after extraction, ml
25.000

Petroleum hydrocarbons, ppm
?88.079
Net absorbance of hydrocarbons (2930 cm-1)
.127

Y: Petroleum hydrocarbons spectrum 11:31



Analytical Technologies, Inc.

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

ATI I.D. **408328**

August 11, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **08/05/94**, 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.

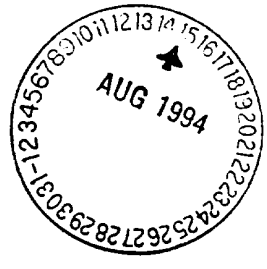
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

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.: 408328

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	945815	NON-AQ	08/02/94	08/08/94	08/09/94	1
05	945816	NON-AQ	08/02/94	08/08/94	08/10/94	1
06	945817	NON-AQ	08/02/94	08/08/94	08/08/94	1

PARAMETER	UNITS	04	05	06
BENZENE	MG/KG	<0.025	<0.025	<0.25
TOLUENE	MG/KG	<0.025	<0.025	16
ETHYLBENZENE	MG/KG	<0.025	<0.025	1.7
TOTAL XYLENES	MG/KG	6.3	0.049	21
SURROGATE:				
BROMOFLUOROBENZENE (%)		110	86	167*

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

PHASE II

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 1

Burlington Environmental Inc.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG PITS
Project Number 14509 Phase 6000.77
Project Location Schultz #3 7/0.35

Elevation
Borehole Location Letter M-S16-T31-R8
GWL Depth
Logged By J.F. LaBarbera
Drilled By K. Padilla
Date/Time Started 7/18/95 - 0858
Date/Time Completed - 1200

Well Logged By J.F. LaBarbera
Personnel On-Site K. Padilla, F. Rivera, D. Charlie
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										
5				Fill						
10										
15	1	15-15.5	9	fn to med, lt olive, SANDSTONE, poorly cemented, odor			80	21%	1111 / 1088	0911
20	2	20-20.5	7	Brown AA, sl odor			27	37%	1767 / 179	0920
25	3	25-25.25	2	AA			14	31%	- / 12	insufficient 0945 recovery for HS
	4	27-27.5	6	AA			1	100%	8263 / 210	Refusal 0959
30				TOB at Refusal						
35										
40										

Comments: Refusal at 27.5' - Sent Sample JF&L for BTEX/TPH analysis.

Geologist Signature John F. LaBarbera

El Paso Natural Gas Company

Phase II Drilling
Schultz #3

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JFL II	947020
MTR CODE | SITE NAME:	71035	N/A
SAMPLE DATE | TIME (Hrs):	7-18-95	0959
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	7-19-95	7.19.95
DATE OF BTEX EXT. | ANAL.:	07-24-95	07-24-95
TYPE | DESCRIPTION:	~~7/19/95 0959~~ VG	Light Brown Coarse Sand

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG	1			
TOLUENE	<0.025	MG/KG	1			
ETHYL BENZENE	<0.025	MG/KG	1			
TOTAL XYLENES	<0.025	MG/KG	1			
TOTAL BTEX	<0.10	MG/KG				
TPH (418.1)	115	MG/KG			2.02	28
HEADSPACE PID	8263	PPM				
PERCENT SOLIDS	94.6	%				

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

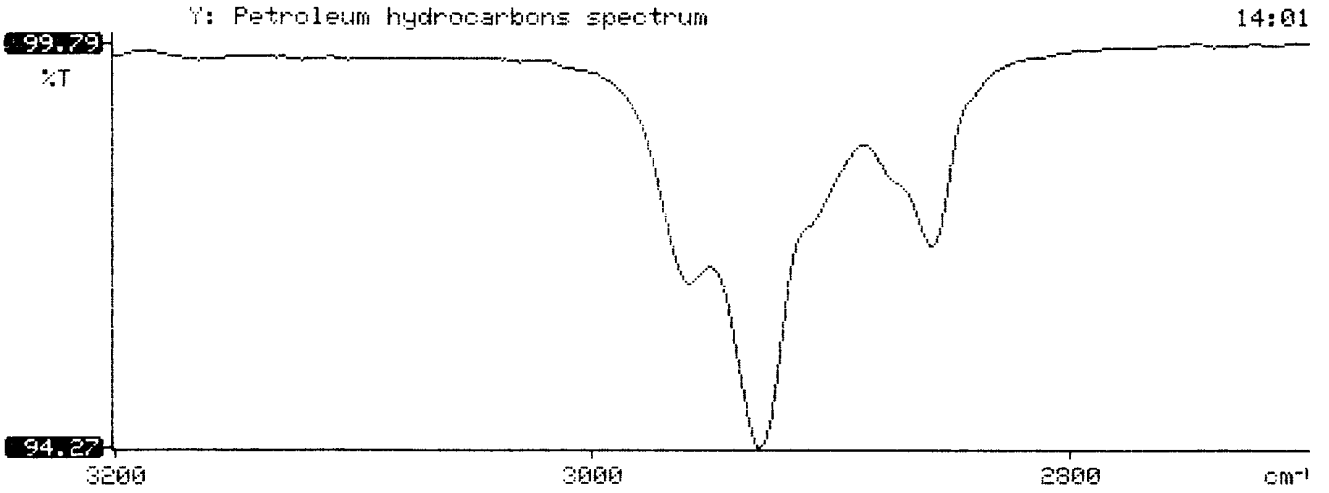
The Surrogate Recovery was at 103 % for this sample All QA/QC was acceptable.

Narrative: ATI Results for BTEX and modified 8015 attached

DF = Dilution Factor Used

Approved By: _____ **Date:** 8/3/95

```
**********************************************************
*                    Test Method for                     *
*      Oil and Grease and Petroleum Hydrocarbons         *
*                   in Water and Soil                    *
*                                                        *
*             Perkin-Elmer Model 1600 FT-IR              *
*                    Analysis Report                     *
**********************************************************
*
 95/07/19  14:01
*
*  Sample identification
 947020
*
*  Initial mass of sample, g
 2.020
*
*  Volume of sample after extraction, ml
 28.000
*
*  Petroleum hydrocarbons, ppm
 115.258
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.024
*
*
*
```



Analytical Technologies, Inc.

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

ATI I.D. 507388

July 26, 1995

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

Project Name/Number: PIT CLOSURE/PHII DRILL I 24324

Attention: John Lambdin

On **07/21/95**, 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.

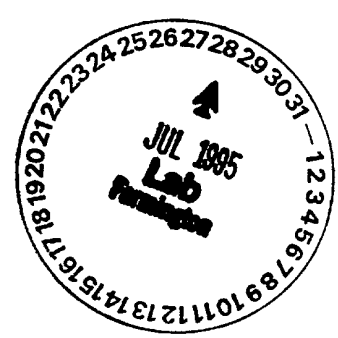
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:gsm

Enclosure



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 507388
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE/PHII DRILL I

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	947020	NON-AQ	07/18/95	07/24/95	07/24/95	1
02	947028	NON-AQ	07/18/95	07/21/95	07/22/95	1
03	947036	NON-AQ	07/19/95	07/21/95	07/22/95	20

PARAMETER	UNITS	01	02	03
BENZENE	MG/KG	<0.025	<0.025	<0.5
TOLUENE	MG/KG	<0.025	<0.025	<0.5
ETHYLBENZENE	MG/KG	<0.025	<0.025	1.8
TOTAL XYLENES	MG/KG	<0.025	<0.025	19
SURROGATE:				
BROMOFLUOROBENZENE (%)		103	95	NA*

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 507388
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE/PHII DRILL I

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	947020	NON-AQ	07/18/95	07/21/95	07/23/95	1
03	947036	NON-AQ	07/19/95	07/21/95	07/24/95	10
06	947039	NON-AQ	07/19/95	07/21/95	07/24/95	10

PARAMETER	UNITS	01	03	06
FUEL HYDROCARBONS	MG/KG	56	1600	2700
HYDROCARBON RANGE		C6-C28	C6-C14	C6-C14
HYDROCARBONS QUANTITATED USING		DIESEL	GASOLINE	GASOLINE
SURROGATE:				
O-TERPHENYL (%)		105	107	105