

EL PASO FIELD SERVICES
DEPUTY PRODUCTION PIT CLOSURE

DEC 21 1998

STATE COM AD 26 E
Meter/Line ID - 93508

RECEIVED
JUL 2 1998

OIL CON. DIV.
DIST. 3

SITE DETAILS

Legals - Twn: 29 Rng: 11

Sec: 36

Unit: 1

NMOCD Hazard Ranking: 40

Land Type: 1 - State

Operator: CONOCO - MESA OPERATING L

Pit Closure Date: 02/13/95

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.

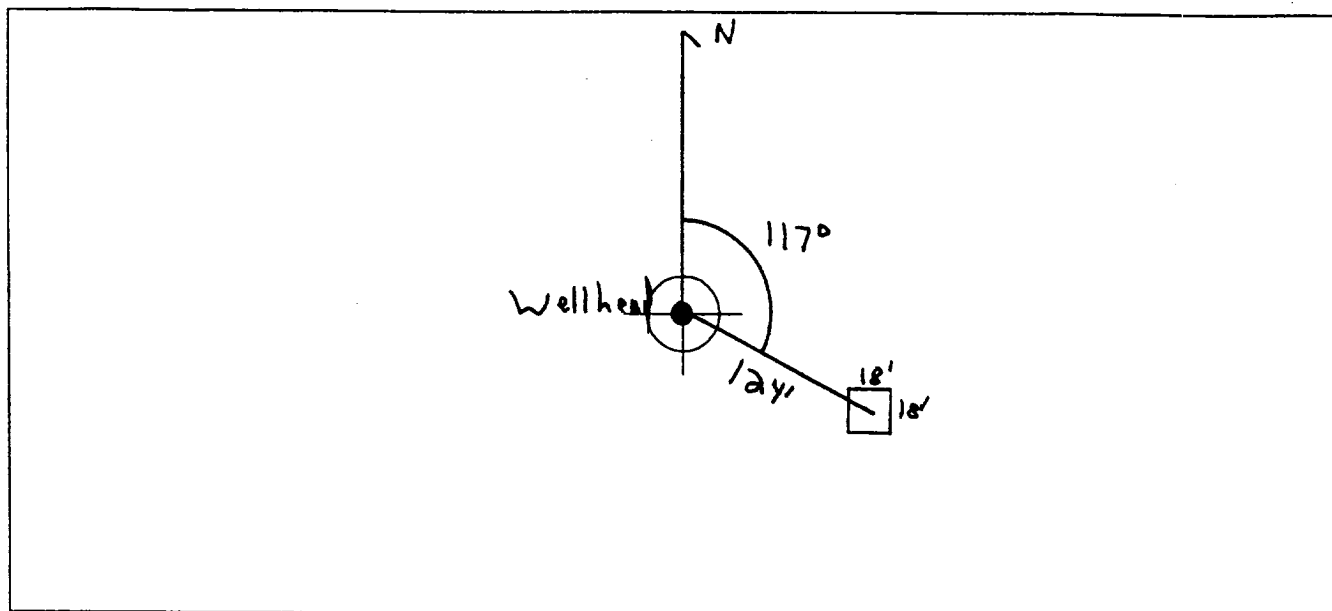
FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>93508</u> Location: <u>State Cam AD 26E</u> Operator #: <u>D286</u> Operator Name: <u>Conoco</u> P/L District: <u>Angel Peak</u> Coordinates: Letter: <u>I</u> Section: <u>26</u> Township: <u>29</u> Range: <u>11</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>1/19/95</u> Area: <u>01</u> Run: <u>41</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps) Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p>Land Type: BLM <input 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 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>Sullivan 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 Book: Inside</u> <u>Vulnerable Zone Top: Inside</u> <u>2 pits. Closel. Dehy on pit.</u> <u>DIG+HAUL</u></p>

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 117° Footage from Wellhead 124'
b) Length : 18' Width : 18' Depth : 6'



REMARKS

Remarks :

Pictures @ 1209 hr 17-21 roll 2

Completed By:

Cory Chase
Signature

1/19/95
Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>93508</u> Location: <u>State Com AD 26E</u></p> <p>Coordinates: Letter: <u>I</u> Section <u>36</u> Township: <u>29</u> Range: <u>11</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>2-13-95</u> Run: <u>01</u> <u>41</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>KP 424</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>019</u> PID Reading Depth <u>12'</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> <div style="display: flex; justify-content: space-between;"> <div> <p>Excavation</p> <p>Onsite Bioremediation</p> <p>Backfill Pit Without Excavation</p> </div> <div style="text-align: right;"> <p><input type="checkbox"/> Approx. Cubic Yards _____</p> <p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> </div> </div> <p>Soil Disposition:</p> <div style="display: flex; justify-content: space-between;"> <div> <p>Envirotech <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/></p> </div> <div style="text-align: right;"> <p><input type="checkbox"/> Tierra</p> <p>Name: _____</p> </div> </div> <p>Pit Closure Date: <u>2-13-95</u> Pit Closed By: <u>B.EI</u></p>
REMARKS	<p>Remarks : <u>Some line markers started Remediating to 12'</u> <u>soil looked light brown No HC order. sampled closed pit.</u></p>
	<p>Signature of Specialist: <u>Kelly Padilla</u></p>



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 424	946682
MTR CODE SITE NAME:	93508	N/A
SAMPLE DATE TIME (Hrs):	2-13-95	1420
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL:	2/17/95	2/17/95
DATE OF BTEX EXT. ANAL:	2/21/95	2/22/95
TYPE DESCRIPTION:	VG	light Brown fine sand

REMARKS: BTEX and TPH done at AT1

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)	1100	MG/KG				
HEADSPACE PID	19	PPM				
PERCENT SOLIDS	89.6	%				

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

The Surrogate Recovery was at 92 % for this sample All QA/QC was acceptable.
Narrative:

AT1 Results attached.

DF = Dilution Factor Used

Approved By:

Date:

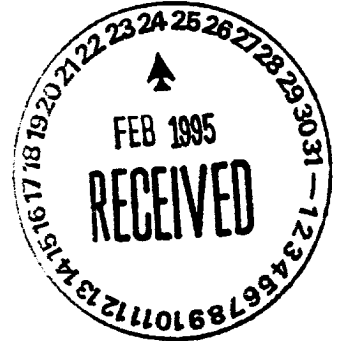
3-20-95



Analytical **Technologies, Inc.**

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

ATTI I.D. 502381



February 23, 1995

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 02/17/95, 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.

EPA Method 8020 analyses were added on February 21, 1995 for samples 946659, 946660, 946661, 946662, 946663, 946664, 946666, 946667, 946668, 946669, 946680, 946682 per John Lambdin.

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.: 502381
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
12	946669	NON-AQ	02/10/95	02/21/95	02/22/95	1
23	946680	NON-AQ	02/13/95	02/21/95	02/22/95	50
25	946682	NON-AQ	02/13/95	02/21/95	02/22/95	1

PARAMETER	UNITS	12	23	25
BENZENE	MG/KG	<0.025	<1.3	<0.025
TOLUENE	MG/KG	<0.025	13	<0.025
ETHYLBENZENE	MG/KG	<0.025	74	<0.025
TOTAL XYLENES	MG/KG	<0.025	2.8	<0.025

SURROGATE:

TRIFLUOROTOLUENE (%)	97	NA*	92
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*SURROGATE RECOVERY NOT OBTAINABLE DUE TO SAMPLE DILUTION



Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT : EL PASO NATURAL GAS CO. ATI I.D. : 502381
PROJECT # : 24324 DATE RECEIVED : 02/17/95
PROJECT NAME : PIT CLOSURE DATE ANALYZED : 02/17/95

PARAMETER	UNITS	25	26	27
PETROLEUM HYDROCARBONS, IR	MG/KG	1100	250	3700

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 2

Project Name

EPNG Pits

Project Number

14509

Phase

6000.77

Project Location

State Cam AD 26E 93508

Elevation

Borehole Location 729, R11, S36, E

GWL Depth

Logged By Jeff W. Kindley

Drilled By G. Sudduth

Date/Time Started 08/23/95 0900

Date/Time Completed 08/23/95 1145

Well Logged By

Jeff W. Kindley

Personnel On-Site

G. Sudduth, D. Roberts, D. Chanley

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			Drilling Conditions & Blow Counts
							BZ	BH	S	
0				Back Fill						
5				material						
10				to						
15				12'						
20	1	18-20'	18 2.0	ML, BR SILT, dry, dense, hydrocarbon odor					139 220	0918 40 blows per Foot
25	2	23-25'	1.2 2.0	CL, GR CLAY, dry, hard, low plasticity, hydrocarbon odor					233 235	0922 60 blows per Foot
30	3	28-30'	1.0 2.0	S.A.A.					217 219	0930 100 blows per Foot
35	4	33-35'	1.9 2.0	S.A.A.					147 204	0943 100 blows per Foot
40	5	38-40'	1.6 2.0	S.A.A.					47 59	0955 100 blows per Foot

Comments:

Geologist Signature

Jeffrey Kindley

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 2 of 2

Project Name EPNG Pits
Project Number 14509 Phase 6000.77
Project Location State Cam AD 26E 93508

Elevation _____
Borehole Location T29, R11, S36, I
GWL Depth _____
Logged By Jeff W. Kindley
Drilled By G. Sudduth
Date/Time Started 08/23/95 0900
Date/Time Completed 08/23/95 1145

Well Logged By Jeff W. Kindley
Personnel On-Site G. Sudduth, D. Roberts, D. Cha
Contractors On-Site _____
Client Personnel On-Site _____
Drilling Method 4 1/4 ID HSA
Air Monitoring Method PID, CGI

SWK 40

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	S/H	
40										
45	6	43-45	1.0 2.0	S. A. A					32/ 53	1004 100 blows per Foot.
50	7	48-50	.8 2.0	SP, GR SAND, medium to coarse grained, dry, very dense slight hydrocarbon odor.					107/ 81	1020 100 blows per Foot
55	8	53-55	.8 2.0	CL, GR CLAY, Dry, very dense, low plasticity, nodular. Boring terminated at 55'					7/ 1	1042 100 blows per Foot
20										
25										
30										
35										
40										

Comments:

Sample collected from 53 to 55 feet. Soil sample submitted
for analysis of BTEX and TPH. BH grouted to the surface.
Sample SWK 40

Geologist Signature

Jeffrey Kindley



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JWK 40	947314
MTR CODE SITE NAME:	93508	State Com AD 26E
SAMPLE DATE TIME (Hrs):	08-23-95	10:42
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	8/24/95	
DATE OF BTEX EXT. ANAL.:	8/25/95	8/29/95
TYPE DESCRIPTION:	VG	Light sand & clay

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< .5	MG/KG				
TOLUENE	< .5	MG/KG				
ETHYL BENZENE	< .5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	< 10	MG/KG			2.02	28
HEADSPACE PID	1	PPM				
PERCENT SOLIDS	87.1	%				

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

The Surrogate Recovery was at 89 % for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

1.8

4-5-95

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

95/08/24 11:56

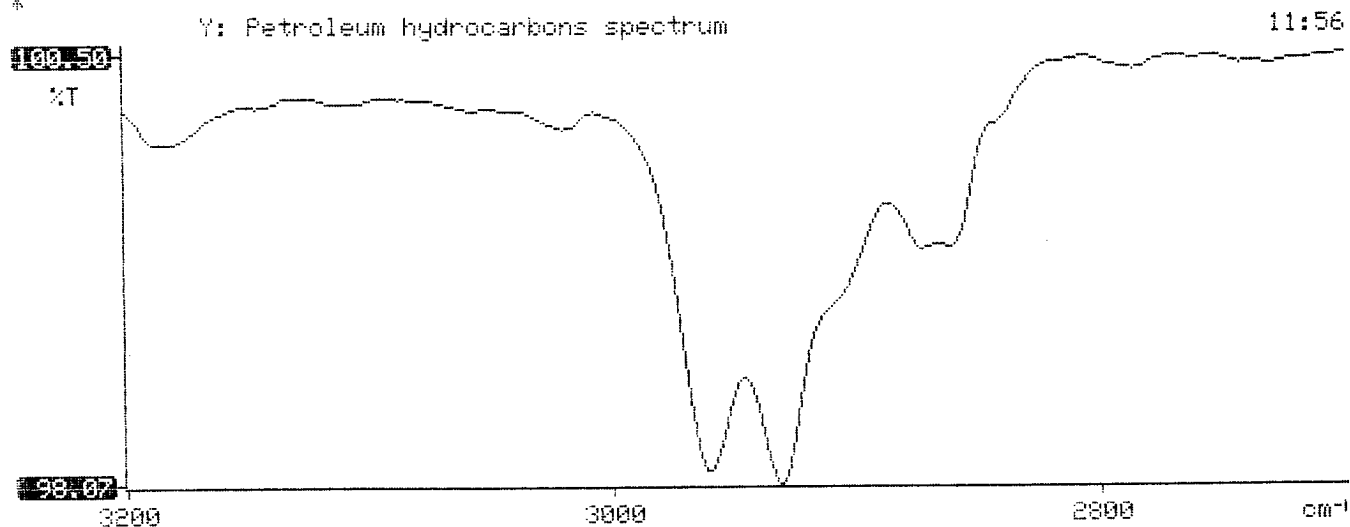
* Sample identification
947314

* Initial mass of sample, g
2.020

* Volume of sample after extraction, ml
28.000

* Petroleum hydrocarbons, ppm
-2.375

* Net absorbance of hydrocarbons (2930 cm⁻¹)
0.010



BTEX SOIL SAMPLE WORKSHEET

File	:	947314	Date Printed	:	8/31/95
Soil Mass (g)	:	5.03	Multiplier (L/g)	:	0.00099
Extraction vol. (mL)	:	20	DF (Analytical)	:	200
Shot Volume (uL)	:	100	DF (Report)	:	0.19881

				Det. Limit
Benzene (ug/L)	:	0.00	Benzene (mg/Kg):	0.000 0.497
Toluene (ug/L)	:	0.00	Toluene (mg/Kg):	0.000 0.497
Ethylbenzene (ug/L)	:	0.00	Ethylbenzene (mg/Kg):	0.000 0.497
p & m-xylene (ug/L)	:	0.00	p & m-xylene (mg/Kg):	0.000 0.994
o-xylene (ug/L)	:	0.00	o-xylene (mg/Kg):	0.000 0.497
			Total xylenes (mg/Kg):	0.000 1.491
			Total BTEX (mg/Kg):	0.000

**EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS**

File : C:\LABQUEST\CHROM001\082595-1.023
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : 947314,5.03G,100U
Acquired : Aug 30, 1995 00:38:51
Printed : Aug 30, 1995 01:05:12
User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
-----	-----	-----	-----
BENZENE	3.367	0	0.0000
a,a,a TFT	4.897	2673228	89.8135
TOLUENE	6.727	98408	-0.6557
ETHYLBENZENE	10.430	0	0.0000
M & P XYLENE	10.840	50381	-4.9078
O XYLENE	11.900	0	0.0000
BFB	13.390	39638488	89.2278

C:\LABQUEST\CHROM001\082595-1.023 -- Channel A

