PHILIP ENVIRONMENTAL

Environmental Services Group
Southern Region

Federal 6 #32 CH G-6-26N-07W
Meter Code 94768

Pit was excavated to 12 feet beneath ground surface. The headspace soil reading from excavation bottom was 882 parts per million. Soil analytical were as follows; benzene - <0.5 mg/kg, total BTEX - 173 mg/kg, TPH - 2,570 mg/kg.

One soil boring was completed and no monitoring well was installed. Soil boring analytical results were as follows; benzene - <1.5 mg/kg, total BTEX - 315.1 mg/kg, TPH - 9570 mg/kg.

The pit was re-excavated to 22 feet beneath ground surface. A headspace soil reading was as follows: pit bottom- 700+ ppm. Soil analytical were as follows; benzene - 2.5 mg/kg, total BTEX - 318 mg/kg, TPH - 4300 mg/kg

A RECON® survey was conducted and twenty soil-gas samples were collected on the assumed downgradient side of the pit. The samples were collected and analyzed using a laboratory-grade gas chromatograph by Philip Environmental's RECON® System. In PH-01, PH-03, and PH-04, BTEX constituents were detected in small amounts in some samples and not detected in other samples. In PH-02, BTEX constituents were detected in some of the soil-gas samples collected. Three groundwater samples were collected on the assumed downgradient side of the pit. All samples were analyzed on-site with the RECON® system. Benzene levels were less than 1 ug/L at two of the probeholes, and 6 ug/L at the third probehole location. The concentrations for the remaining consituents (TEX) were well below standards. One groundwater sample was collected for analysis at EPES's laboratory with BTEX levels well below WQCC standards.

Denny E. Foust
DEPUTY OIL & GAS INSPECTOR

FEB 0 6 97
Approved

J:\16297\sk

PHILIP ENVIRONMENTAL SERVICES CORPORATION
4000 Monroe Road • Farmington, NM 87401
(505) 326-2262 • Fax (505) 326-2388

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 94768 Location: FEDERAL 6 #32 CH

Operator #: 0448 Operator Name: LOUIS DREYFUS P/L District: BALLARD

Coordinates: Letter: G Section 6 Township: 26 Range: 7

Or Latitude _____ Longitude _____

Pit Type: Dehydrator ___ Location Drip: X Line Drip: ___ Other: _____

Site Assessment Date: 6.15.94 Area: 07 Run: 51

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 CAÑON LARGO

(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: 30 **POINTS**

REMAR.

Remarks : TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. LOCATION IS IN LARGO CANYON NEXT TO LARGO WASH. REDLINE AND TOPO CONFIRMED LOCATION IS INSIDE V.Z.

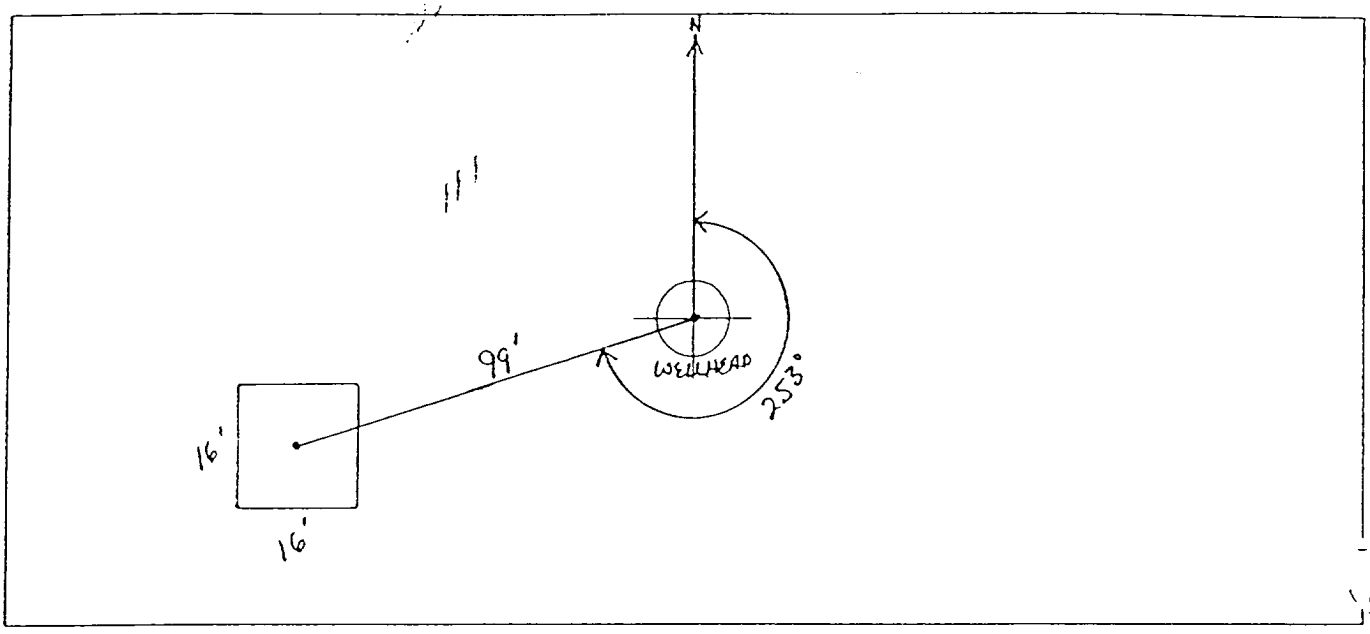
94768

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 253° Footage from Wellhead 99'

b) Length : 16' Width : 16' Depth : 2'



REMARKS

Remarks :

TOOK PICTURES AT 9:21 A.M.

END DUMP

Completed By:

Robert Thompson 6-15-94

Phase I Excavation

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 94768 Location: FEDERAL 6 #32 CH

Coordinates: Letter: G Section 6 Township: 26 Range: 7

Or Latitude _____ Longitude _____

Date Started : 7-22-94 Area: 07 Run: 51

FIELD OBSERVATIONS

Sample Number(s): KP 146 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 882 PID Reading Depth 12' Feet

	Yes	No
Groundwater Encountered	☐ (1)	☒ (2)

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation	☒ (1)	Approx. Cubic Yards 50
Onsite Bioremediation	☐ (2)	
Backfill Pit Without Excavation	☐ (3)	

Soil Disposition:

Envirotech	☒ (1)	☐ (3)	Tierra
Other Facility	☐ (2)	Name:	_____

Pit Closure Date: 7-22-94 Pit Closed By: B.E.F

REMARKS

Remarks : Some Line markers started to Remediating To 12 soil Turned Dark Brown. At 12' soil still the same. Smells REAL BAD.

Signature of Specialist: Kelly Padilla

(SP3191) 04/07/94

El Paso Natural Gas Company

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

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP146	945755
MTR CODE | SITE NAME:	94768	Fededral 6 #32
SAMPLE DATE | TIME (Hrs):	07/22/94	1505
PROJECT:	Phase I	
DATE OF TPH EXT. | ANAL.:	07/26/94	07/26/94
DATE OF BTEX EXT. | ANAL.:	07/27/94	07/28/94
TYPE | DESCRIPTION:	VC	Dark brown sand & clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	0.49	MG/KG	10			
TOLUENE	33	MG/KG	10			
ETHYL BENZENE	10	MG/KG	10			
TOTAL XYLENES	130	MG/KG	10			
TOTAL BTEX	173	MG/KG				
TPH (418.1)	2570	MG/KG			2.03	28
HEADSPACE PID	882	PPM				
PERCENT SOLIDS	87.6	%				

– 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:

A[illegible]erformed analysis.

DF = Dilution Factor Used

Approved By: [signature] Date: 7/19/96

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
11957	Pit Closure Project # 24324

SAMPLERS: (Signature) Kelly Padilla DATE: 7-22-94

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS: TPH EPA 418.1	BTEX EPA 8020	5eq				REMARKS
	7-22-94	1000	soil	KP 143	1	VG	X	X	129				
	7-22-94	1108	soil	KP 144	1	VG	X	X	130				
	7-22-94	1145	soil	KP 145	1	VG	X	X	131				
	7-22-94	1505	soil	KP 146	1	VG	X	X	132				

CONTRACT LABORATORY P. O. NUMBER

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Kelly Padilla	7-22-94 1700	Brenda Liess	Brenda Liess	7/26/94 1035	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499
505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

FM-08-0565A (Rev. 03-94)

Phase II Soil Boring

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 Federal 6 #32 94768

Elevation
Borehole Location Letter G - S6 - T26N - R7W
GWL Depth
Logged By J.F. LaBarbera
Drilled By K. Padilla
Date/Time Started 7/22/95 - 0828
Date/Time Completed - 0954

Well Logged By J.F. LaBarbera
Personnel On-Site K. Padilla, F. Rivera, ~~D. Charlie~~ R Ruiz
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 HS BZ	BH	S	Drilling Conditions & Blow Counts
0										
5				Fill						
10										
15	1	15-16	12	Dark Gray, CLAY, tr. silt, low plasticity, odor	CL		0	GH	779/641	Bottom of Soil 0859
	2	17-17.5	6	15.75 - 16 AA, sandy						0845
20	3	20-21.5	18	DK Gray, loose, fine SAND, little clay and silt, odor, damp	SP		—	—	699/709	
				Brown, very soft, clayey SILT, saturated, no odor noted	ML		0	18.3	5/4-2	Water at 20' 0852
25				TOB at 21.5'						
30										
35										
40										

Comments: Sample JF6829 from 17-17.5' sent to lab for BTEX/TPH analysis. Not enough accumulation in 30 min to check w/ bailer.

Geologist Signature John R Baker

El Paso Natural Gas Company

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

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JFL29	947098
MTR CODE | SITE NAME:	94768	Fededral 6 #32
SAMPLE DATE | TIME (Hrs):	07/27/95	0845
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	07/28/95	07/28/95
DATE OF BTEX EXT. | ANAL.:	08/01/95	08/04/95
TYPE | DESCRIPTION:	VG	Gray sand & clay

Field Remarks: 1/2" headspace in jar

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<1.3	MG/KG	50			
TOLUENE	50	MG/KG	50			
ETHYL BENZENE	25	MG/KG	50			
TOTAL XYLENES	240	MG/KG	50			
TOTAL BTEX	315	MG/KG				
TPH (418.1)	9570	MG/KG			0.35	28
HEADSPACE PID	690	PPM				
PERCENT SOLIDS	91.1	%				

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

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

Narrative:

A performed analysis for BTEX and mod 8015. Surrogate recovery not obtainable due to sample dilution.

DF = Dilution Factor Used

Approved By: [signature] Date: 7/19/96

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (Signature) John Jr Boehm — DATE: 7/27/95

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	LAB PID		PID HS	SEQUENCE #	REMARKS
	7/27/95	0845	Soil	JFL 29	1	VG	X	X			690	25	94768 Federal 6 #32 (17-17.5') Bagged & iced
	7/27/95	1122	Soil	JFL 30	1	VG	X	X			37	26	Lat. 2C-121 Line Drip (35-35.5') Bagged & iced
	"		Soil	JFL 31	1	VG	X	X				27	94495 Mesa Federal #1E

John Jr Boehm

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
John Jr Boehm 340	7/27/95 1425	Kelly Stovall	Kelly Stovall	7/28/95 11:10	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED FOR LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499
505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

FM-08-0565 A (Rev. 05-94)

Phase III Excavation

FIELD PIT REMEDIATION/CLOSURE FORM/PHASE II

GENERAL

Meter: 94768 Location: Federal 6 #32 CH

Coordinates: Letter: G Section 06 Township: 26 Range: 07

Or Latitude _____ Longitude _____

Date Started : 11-6-95 Area: 07 Run: 51

FIELD OBSERVATIONS

Sample Number(s): 41P83 _____ _____ _____

Sample Depth: 22 Feet

Final PID Reading 700 plus PID Reading Depth 22 Feet

Yes No

Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet

Final Dimensions: Length 31 Width 26 Depth 22

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 470 LT 11/10/95

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Overburden Cubic Yards 19 LT 11/10/95

Soil Disposition:

Envirotech ☒ (1) ☐ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 11-7-95 Pit Closed By: Philip Env

Phase III Used 100 lbs Fertilizer

REMARKS

Remarks : Dug to 22' Took PID readings N wall 615 ppm S wall ~~700~~ 770 ppm E wall 950 W wall 900 Bottom 15 ppm Comp. sample was 700 plus. Could not dig further, were restricted on 3 side's by pipeLine's + 4th side by Fiber glass Tank

Signature of Specialist: James F Lewis

El Paso Natural Gas Company

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

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JP83	947748
MTR CODE | SITE NAME:	94768	Fededral 6 #32
SAMPLE DATE | TIME (Hrs):	11/06/95	1400
PROJECT:	Phase III Excavation	
DATE OF TPH EXT. | ANAL.:	11/07/95	11/08/95
DATE OF BTEX EXT. | ANAL.:	11/07/95	11/07/95
TYPE | DESCRIPTION:	VC	Dark gray sand & clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	2.5	MG/KG				
TOLUENE	80.3	MG/KG	2	D		
ETHYL BENZENE	37.2	MG/KG				
TOTAL XYLENES	198	MG/KG	2	D, D1		
TOTAL BTEX	318	MG/KG				
TPH (418.1)	4300	MG/KG			1.97	28
HEADSPACE PID	700	PPM				
PERCENT SOLIDS	84.5	%				

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

The Surrogate Recovery was at 115 % for this sample All QA/QC was acceptable.

Narrative:

R[illegible] for m/p xylenes exceeded calibration range.

DF = Dilution Factor Used

Approved By: [signature] Date: 7/19/96

El Paso Natural Gas Company

Phase III Exc

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME												CONTRACT LABORATORY P. O. NUMBER
	Pit Closure Project # 24324												
SAMPLERS: (Signature)		DATE:											
James F Powers		11-6-95											
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020					REMARKS
	11-6-95	1400	Soil	4P83	1	VC	X	X				75	Federal 6 #32 CH 94768

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
James F Powers	11-6-95 1430	Julie Dirdle	Julie Dirdle	11/7/95 9:30	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

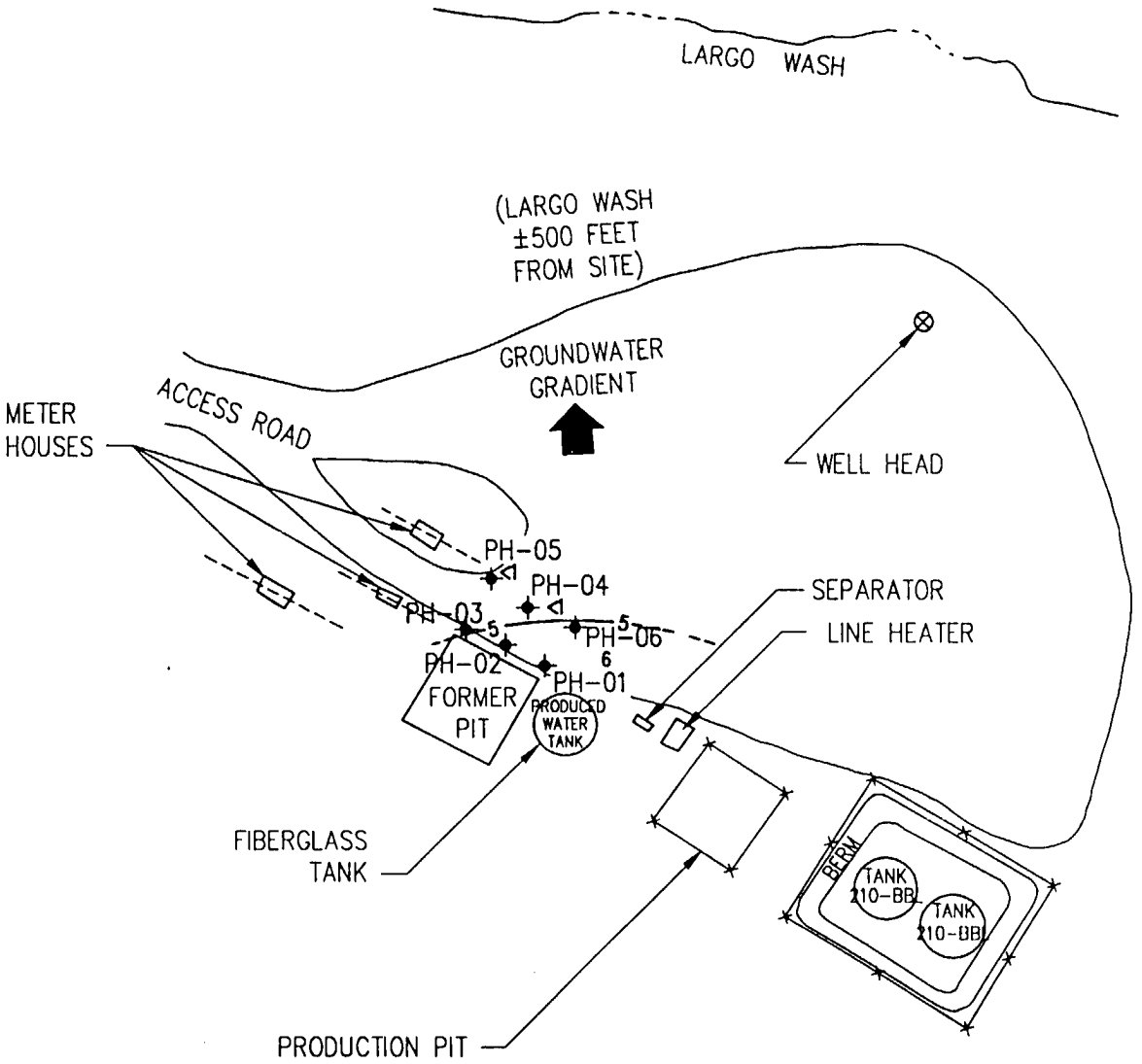
RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499
505-599-2144
FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

FM-08-0565A (Rev. 03-94)

RECON®



NOTES:

1. SOIL-GAS COLLECTED FROM PROBE HOLES PH-01, PH-02, PH-03 & PH-04.
2. GROUNDWATER COLLECTED FROM PROBE HOLES PH-04, PH-05 & PH-06.

N

APPROX. SCALE

0 20 40 FEET

EXPLANATION

- PH-03 — APPROXIMATE PROBE HOLE LOCATION AND NUMBER
- PH-06 / 6 — PROBE HOLE LOCATION AND BENZENE CONCENTRATION IN MICROGRAMS PER LITER, (ug/L)
- 5 — BENZENE CONCENTRATION, (ug/L), CONTOUR, (DASHED WHERE INFERRED)
- WASH
- FENCE
- ABOVEGROUND PIPING

T26 R7 SEC 6 UNIT G

PHILIP ENVIRONMENTAL

TITLE:
FEDERAL 6 NO. 32
METER 94768

SCALE	AS NOTED	DATE
DWN:	M.R.W.	11/20/95
DES:		
CHKD:	K.B.G.	11/28/95
APPD:		

PROJECT NO: 13947
EPNG-RECON PITS

FIGURE 13

REV: 0

COL J:\13947\CAD\CL013

PHILIP

RECON SAMPLE ANALYSIS

DATA SUMMARY TABLE

Project: 13947

Sample I.D.	Probe Hole Number	Depth (feet)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	m+p-Xylene (ug/L)	o-Xylene (ug/L)	Comments
QCRT-12	N/A	N/A	168	142	111	113	118	QC - Retention Times
Blank-35	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
STD-1110	N/A	N/A	232	232	232	232	232	Calibration Standard
Blank-36	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-37	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank
FEDERAL6No32-01	PH-01	3	ND(1)	ND(1)	6	24	6	Soil-gas
FEDERAL6No32-02	PH-01	6	ND(1)	ND(1)	ND(1)	<1	ND(1)	Soil-gas
FEDERAL6No32-03	PH-01	9	ND(1)	ND(1)	1	6	2	Soil-gas
FEDERAL6No32-04	PH-01	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
FEDERAL6No32-05	PH-02	3	ND(1)	ND(1)	ND(1)	ND(1)	~~ND(1)~~ <1	Soil-gas
FEDERAL6No32-06	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
FEDERAL6No32-07	PH-02	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
FEDERAL6No32-08	PH-02	12	272	449	200	1,359	271	Soil-gas
FEDERAL6No32-09	PH-02	15	1,753	2,784	1,027	6,828	2,126	Soil-gas
FEDERAL6No32-10	PH-02	18	2,196	2,875	369	2,313	555	Soil-gas
FEDERAL6No32-11	PH-02	21	388	909	514	3,907	231	Soil-gas
FEDERAL6No32-12	PH-03	3	ND(1)	~~ND(1)~~ <1	~~ND(1)~~ <1	~~<1~~ ND(1)	ND(1)	Soil-gas
FEDERAL6No32-13	PH-03	6	ND(1)	ND(1)	<1	5	<1	Soil-gas
FEDERAL6No32-14	PH-03	9	<1	1	~~ND(1)~~ <1	~~2~~ ND(1)	ND(1)	Soil-gas
FEDERAL6No32-15	PH-03	12	<1	2	ND(1)	2	ND(1)	Soil-gas
FEDERAL6No32-16	PH-04	3	ND(1)	ND(1)	~~ND(1)~~ <1	~~<1~~ ND(1)	ND(1)	Soil-gas
FEDERAL6No32-17	PH-04	6	ND(1)	<1	ND(1)	1	ND(1)	Soil-gas
FEDERAL6No32-18	PH-04	9	ND(1)	ND(1)	~~ND(1)~~ <1	~~<1~~ ND(1)	ND(1)	Soil-gas
FEDERAL6No32-19	PH-04	12	515	354	201	2,091	577	Soil-gas
FEDERAL6No32-19-D	PH-04	12	522	395	224	2,448	694	QC - Duplicate
Blank-38	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-13	N/A	N/A	569	470	432	425	427	QC - Retention Times
Blank-39	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank

D = duplicate analysis.
QC = quality control.
ug/L = micrograms of compound detected per liter of soil vapor analyzed.
ND = not detected at the lower quantifiable limit indicated in parenthesis.
NA = not applicable.

QA Review: Paul Anderson /KBG

Review Date: 1-31-96 KK 2/13/96

PHILIP

RECON SAMPLE ANALYSIS

DATA SUMMARY TABLE

Project: 13947

Sample I.D.	Probe Hole Number	Depth (feet)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	m+p-Xylene (ug/L)	o-Xylene (ug/L)	Comments
LATERAL2C1-04	PH-01	12	ND(1)	ND(1)	<1	ND(1)	ND(1)	Soil-gas
LATERAL2C1-04-D	PH-01	12	ND(1)	ND(1)	<1	ND(1)	ND(1)	QC - Duplicate
Blank-48	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-17-18	N/A	N/A	357	365	358	361	357	QC - Retention Times
Blank-49	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
STD-1114	N/A	N/A	232	232	232	232	232	Calibration Standard
Blank-50	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-51	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank
FEDERAL6No32-20	PH-04	21-27	<1	3	<1	4	2	Groundwater
FEDERAL6No32-21	PH-03	15	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
FEDERAL6No32-22	PH-03	18	ND(1)	191	35	235	117	Soil-gas
FEDERAL6No32-23	PH-03	21	44	52	11	86	50	Soil-gas
FEDERAL6No32-24	PH-05	30-33	<1	13	3	13	5	Groundwater
FEDERAL6No32-20-D	PH-04	21-27	<1	3	<1	4	3	QC - Duplicate
FEDERAL6No32-25	PH-06	27-30	6	41	5	23	11	Groundwater
FEDERAL6No32-25-D	PH-06	27-30	6	42	5	23	11	QC - Duplicate
Blank-49	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-18 19	N/A	N/A	143	127	96	100	97	QC - Retention Times
K17LINEDRIP-01	PH-01	18-24	<1	6	2	6	5	Groundwater
K17LINEDRIP-02	PH-02	18-27	2	16	2	9	6	Groundwater
K17LINEDRIP-03	PH-03	18-27	1	13	3	13	9	Groundwater
K17LINEDRIP-03-D	PH-03	18-27	2	16	4	18	12	QC - Duplicate
Blank-50	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-19 20	N/A	N/A	167	150	120 119	122	117	QC - Retention Times
Blank-51	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
STD-1115	N/A	N/A	232	232	232	232	232	Calibration Standard
Blank-52	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-53	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank

D = duplicate analysis.
QC = quality control.
ug/L = micrograms of compound detected per liter of soil or groundwater vapor analyzed.
ND = not detected at the lower quantifiable limit indicated in parenthesis.
NA = not applicable.

QA Review: Paul E Anderson

Review Date: 1-31-96 JK 2/13/96

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Water

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	947779
FIELD ID:	KBG01
MTR CODE:	94768
SAMPLE DATE:	11/14/95
SAMPLE TYPE:	W
SITE NAME:	Federal 6 #32
PROJECT:	Phase III Recon
DATE OF BTEX ANALYSIS:	11/15/1995

FIELD COMMENTS: (21'-27', pH 04) HCL preservative

EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT	QUALIFIER	WQCC LIMIT PPB
TDS - TOTAL DISSOLVED SOLIDS (PPM)	Not Required		None
BENZENE (PPB)	<2.5		10
TOLUENE (PPB)	5.7		740
ETHYL BENZENE (PPB)	<2.5		750
TOTAL XYLENES (PPB)	9.1		620
SURROGATE % RECOVERY	98	Allowed Range 80 to 120 %	

NOTES:

El Paso Natural Gas Company

Phase II Recon Investigation

Federal #32 Mtr # 94768

CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (Signature) Karen Gallaher — DATE: 11/14/95

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	LAB PID			SEQUENCE #	REMARKS
947779	11/14/95	1030	Water	KBG-01	2	W		X				1	Federal 6 No. 32 Meter 94768, 21-27 feet, PH-04 HCl preservative
947780	11/14/95	1035	Water	KBG-02	2	W		X					Federal 6 No. 32 Meter 94768, 21-27 feet, PH-04 No preservative
947781	11/14/95	1040	Water	KBG-03	1	W		X					Trip Blank

KBG

CONTRACT LABORATORY P. O. NUMBER

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Karen Gallaher	34°F 11/14/95 1800	Julie Dudder	Julie Dudder	30 11/15/95 8:45	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ PUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

FM-08-0565 A (Rev. 05-94)