PHILIP
ENVIRONMENTAL

Environmental Services Group
Southern Region

Argo No. 1E N-18-27N-10W
Meter Code 93780

Pit was excavated to 12 feet beneath ground surface. The headspace soil reading from excavation bottom was 350 parts per million. Soil analytical were as follows; benzene - 5.8 mg/kg, total BTEX - 326 mg/kg, TPH - 10,300 mg/kg.

One soil boring was completed and no monitoring well was installed. Soil boring analytical results were as follows; benzene - <0.5 mg/kg, total BTEX - 3 mg/kg, TPH - 62.1 mg/kg.

The pit was re-excavated to 20 feet beneath ground surface. A headspace soil reading was as follows: pit bottom- 899 ppm. Soil analytical were as follows; benzene - <0.5 mg/kg, total BTEX - 4.2 mg/kg, TPH - 1,294 mg/kg. At 19 feet beneath ground surface, a small trickle of groundwater was encountered, there was not enough groundwater present to collect a sample.

A RECON® survey was conducted and three groundwater 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®. The on-site analytical results were as follows: probe hole (PH) -01, no BTEX was detected. PH-02, no BTEX was detected. PH-03, BTEX was detected, benzene - 2 ug/L, toluene - 7 ug/L, ethylbenzene - 1 ug/L, xylenes - 7 ug/L.

DEPUTY OIL & GAS INSPECTOR

FEB 0 6

JM16297sk

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

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 93780 Location: ARGO 1E
Operator #: 0114 Operator Name: AMAX P/L District: Angel Peak
Coordinates: Letter: N Section 18 Township: 27 Range: 10
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ✓ Location Drip: ___ Line Drip: ___ Other: _____
Site Assessment Date: 8/22/94 Area: 01 Run: 53

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 Kutz Canyon
(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 Zone Topo - Inside
4 pits. Will close 1. Pit has small amount of water init. Dehy next to pit is discharging to adjacent pit with Fiberglass tank.
DIG & HAUL

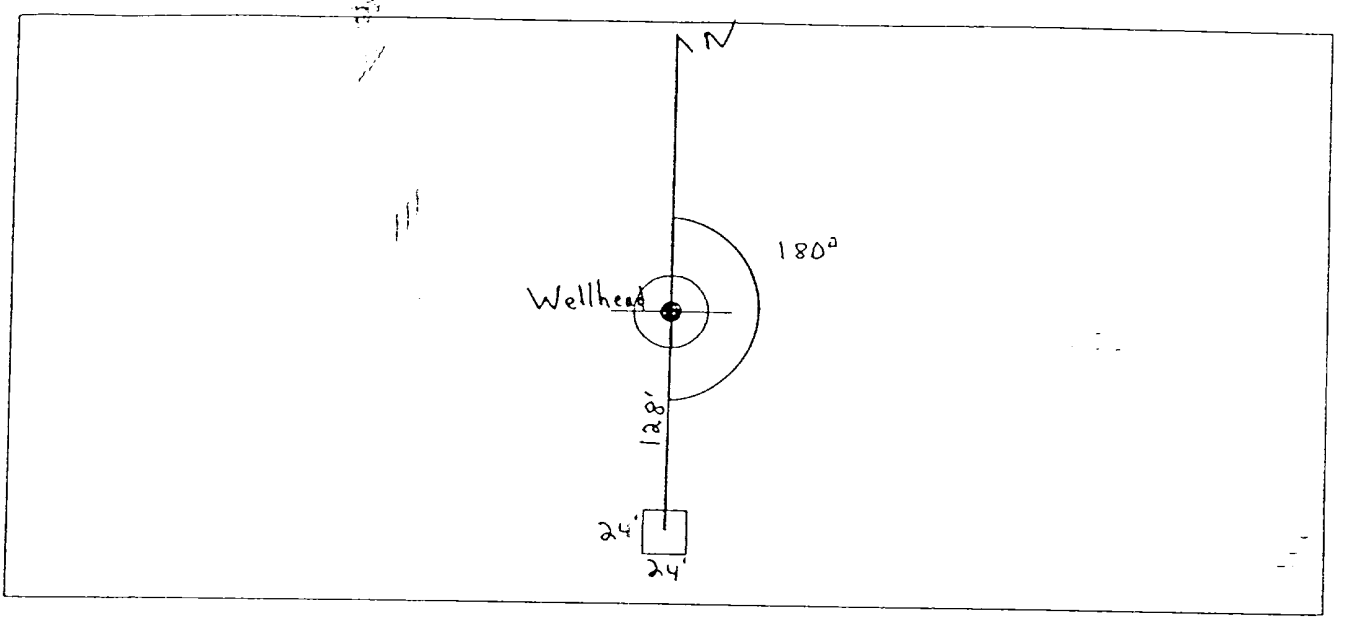
93780

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 180° Footage from Wellhead 128'

b) Length : 24' Width : 24' Depth : 4'



REMARKS

Remarks :

Pictures @ 1526

Completed By:

Cory Crane
Signature

8/22/94
Date

Phase I Excavation

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 93780 Location: ARGO 1E

Coordinates: Letter: N Section 18 Township: 27 Range: 10

Or Latitude _____ Longitude _____

Date Started : 9-7-94 Run: 01 53

FIELD OBSERVATIONS

Sample Number(s): KP 219 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 350 PID Reading Depth 12' Feet

	Yes	No
Groundwater Encountered	☐	☒

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation ☒ Approx. Cubic Yards 110

Onsite Bioremediation ☐

Backfill Pit Without Excavation ☐

Soil Disposition:

Envirotech ☒ Tierra ☐

Other Facility ☐ Name: _____

Pit Closure Date: 9-7-94 Pit Closed By: B.E.I

REMARKS

Remarks : Some Line markers.. Started Remediating to 12'
Soil is Light gray with A smell. At 12' soil still the
same. closed Pit.

Signature of Specialist: Kelly Sodda

(SP3191) 03/16/94

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:	KP219	946062
MTR CODE | SITE NAME:	93780	Argo #1E
SAMPLE DATE | TIME (Hrs):	09/07/94	1330
PROJECT:	Phase I	
DATE OF TPH EXT. | ANAL.:	09/08/94	09/08/94
DATE OF BTEX EXT. | ANAL.:	09/11/94	09/12/94
TYPE | DESCRIPTION:	VC	Light brown sand & clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	5.8	MG/KG	20			
TOLUENE	110	MG/KG	20			
ETHYL BENZENE	20	MG/KG	20			
TOTAL XYLENES	190	MG/KG	20			
TOTAL BTEX	326	MG/KG				
TPH (418.1)	10,300	MG/KG			0.99	28
HEADSPACE PID	350	PPM				
PERCENT SOLIDS	87.5	%				

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

The Surrogate Recovery was at 91 % for this sample All QA/QC was acceptable.

Narrative:

I performed analyses.

DF = Dilution Factor Used

Approved By: [signature] Date: 7/18/94

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (Signature) Kelly Padilla DATE: 9-7-94

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS: TPH EPA 418.1	BTEX EPA 8020	LAB PID			SEQUENCE #	REMARKS
	9-7-94	0820	Soil	KP 218	1	VG	X	X				198	
	9-7-94	1330	Soil	KP 219	1	VG	X	X				199	

CONTRACT LABORATORY P. O. NUMBER

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Kelly Padilla 9-7-94	1700	Brenda Kiess	Brenda Kiess	9/8/94 1015	
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-08-0565 A (Rev. 05-94)

Phase II Soil Boring

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 1

PHILIP ENVIRONMENTAL
10 Monroe Road
Farmington, New Mexico 87401
(506) 326-2262 FAX (506) 326-2388

Project Name EPNG Pits
Project Number 14509 Phase 6000.77
Project Location ARGO 1E 93780

Elevation
Borehole Location T27, R10, S18, N
GWL Depth
Logged By Jeff W. Kindley
Drilled By G. Suddeth
Date/Time Started 08/29/95 0840
Date/Time Completed 08/29/95 0939

Well Logged By Jeff W. Kindley
Personnel On-Site D Roberts, H Kail, G. Suddeth
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	Drilling Conditions & Blow Counts
0				Back Fill material to 12'						
5										
10										
15										
20	1	18-20'	.9/2.0	CL, BR CLAY, moist, Hard, low plasticity, no odor at 18 to 19' SW, BR medium grained SAND, wet, Very dense, no odor at 19 to 20' Boring terminated at 20'					5/3	0917 100 blows per Foot • Water at 19 feet
25										
30										
35										
40										

Comments: Sample collected from 18 to 19 feet (JWK 53). Analyzed For BTEX and TPH. BH grouted to the surface

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:	JWK53	947360
MTR CODE | SITE NAME:	93780	Argo #1E
SAMPLE DATE | TIME (Hrs):	08/29/95	0917
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	08/30/95	09/04/95
DATE OF BTEX EXT. | ANAL.:	08/30/95	09/03/95
TYPE | DESCRIPTION:	VG	Dark brown clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.5	MG/KG				
TOLUENE	<0.5	MG/KG				
ETHYL BENZENE	<0.5	MG/KG				
TOTAL XYLENES	<1.5	MG/KG				
TOTAL BTEX	<3	MG/KG				
TPH (418.1)	62.1	MG/KG			2.18	28
HEADSPACE PID	3	PPM				
PERCENT SOLIDS	81.0	%				

-- 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:

DF = Dilution Factor Used

Approved By: _____ Date: 7/18/96

El Paso Natural Gas Company

Phase V Drilling

CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT NUMBER	PROJECT NAME
14509	Pit Closure Project # 24324

SAMPLERS: (Signature) Jeffrey Kindley

DATE: August 29, 1995

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS: TPH EPA 418.1	REQUESTED ANALYSIS: BTEX EPA 8020			PID HS # (ppm)	SCRN #	REMARKS
	08/29/95	0917	Soil	JWK 53	1	VG	✓	✓			3	47	ARGO IE 93780 18-19 feet
	08/29/95	1105	Soil	JWK 54	1	VG	✓	✓			8	48	Huerfano Unit 11-19 92925 23-25 feet
	08/29/95	1326	Soil	JWK 55	1	VG	✓	✓			3	49	J.C. Gordon D #2E DK 94142 13-15 feet

ACL 8/30/95

CONTRACT LABORATORY P. O. NUMBER

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Jeffrey Kindley 39°F	08/29/95 1630	Julie Dietz	Julie Dietz	8/30/95 10:40 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)

Phase III Excavation

FIELD PIT REMEDIATION/CLOSURE FORM/PHASE II

GENERAL

Meter: 93780 Location: Argo #1E

Coordinates: Letter: N Section 18 Township: 27 Range: 10

Or Latitude _____ Longitude _____

Date Started : 11-20-95 Area: 01 Run: 53

FIELD OBSERVATIONS

Sample Number(s): 41987 _____ _____ _____

Sample Depth: 20 Feet

Final PID Reading 899 PID Reading Depth 20 Feet

Yes No

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

Final Dimensions: Length 35 Width 34 Depth 20

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 680 cy 11/22/95

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Overburden Cubic Yards 85 cy 11/22/95

Soil Disposition:

Envirotech ☒ (1) ☐ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 11-20-95 Pit Closed By: Philip Env.

Phase III used 50 Lbs Fertilizer

REMARKS

Remarks : Dug down to 19 Ft. hit ground water, it was only a trickle, Not enough to get a sample. Dug to 20 Ft + took PID N wall 548 ppm S wall 1 ppm E wall 47 ppm W wall 2 ppm imp sample was 899 ppm Had to stop digging N wall due to posistion of Derk. Bot sample was 7 ppm.

Signature of Specialist: James L Pearson

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:	JP87	947803
MTR CODE | SITE NAME:	93780	Argo #1E
SAMPLE DATE | TIME (Hrs):	11/20/95	1335
PROJECT:	Phase III Excavation	
DATE OF TPH EXT. | ANAL.:	11/27/95	11/21/95
DATE OF BTEX EXT. | ANAL.:	11/21/95	11/21/95
TYPE | DESCRIPTION:	VC	Brown fine sand & clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.5	MG/KG				
TOLUENE	<0.5	MG/KG				
ETHYL BENZENE	<0.5	MG/KG				
TOTAL XYLENES	4.2	MG/KG				
TOTAL BTEX	4.2	MG/KG				
TPH (418.1)	1294	MG/KG			2.01	28
HEADSPACE PID	899	PPM				
PERCENT SOLIDS	91.2	%				

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

The Surrogate Recovery was at 101 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: _____ Date: 7/18/96

El Paso Natural Gas Company

Phase II

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS						CONTRACT LABORATORY P. O. NUMBER
	Pit Closure Project # 24324									
SAMPLERS: (Signature) James L Townsend	DATE: 11-20-95			TPH EPA 418.1	BTEX EPA 8020				SF#	
LAB ID	DATE / TIME / MATRIX / SAMPLE NUMBER									REMARKS
	11.20.95 1335 Soil 4P87	1	X	X					79	Argo #1E 93780

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
James L Townsend	11.20.95 1400	Julie Dibble	Kelly Arnold	11/21/95 11:15	
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

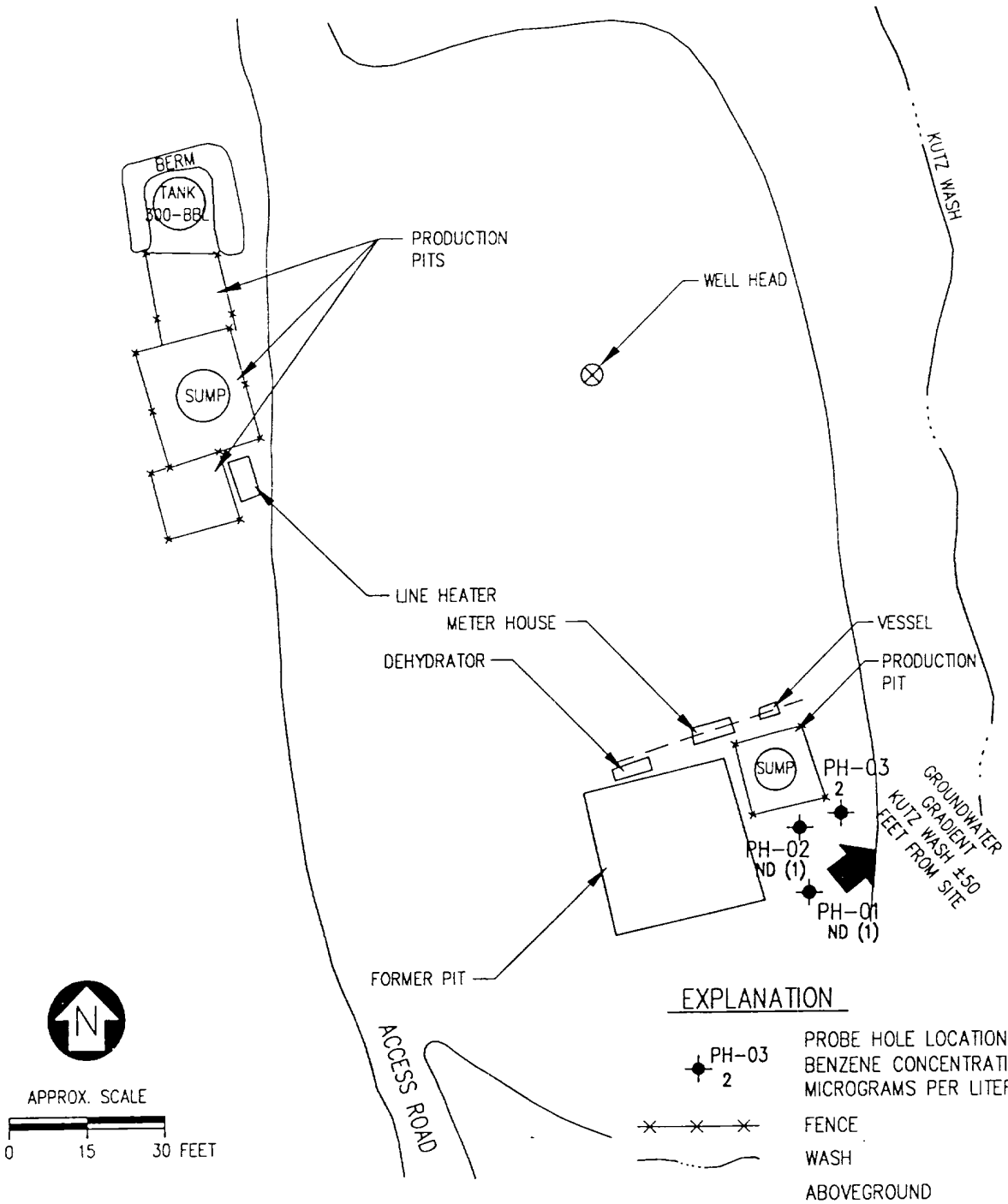
CHARGE CODE

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

RECON®



T27 R10 SEC 18 UNIT N

J:\13947\CIV\CL027

PHILIP ENVIRONMENTAL

TITLE:
ARGO NO. 1E
METER 93780

DWN: M.R.W.	DES.:	PROJECT NO.: 13947	
CHKD: K.B.G.	APPD:	EPNG-RECON PITS	
DATE: 12/6/95	REV.: 0	FIGURE 27	

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
MILESF#1E-01	PH-01	24-30	3	9	<1	3	1	Groundwater
MILESF#1E-02	PH-02	18-30	<1	3	<1	2	<1	Groundwater
MILESF#1E-03	PH-03	24-30	<1	<1	<1	<1	<1	Groundwater
MILESF#1E-03-D	PH-03	24-30	ND(1)	1	<1	~~<1~~ ND	~~<1~~ ND	QC - Duplicate
MILESF#1E-03-MS	PH-03	24-30	4	122	110	110	108	QC - Matrix Spike
Blank-83	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-30	N/A	N/A	16	844	823	804	777	QC - Retention Times
Blank-84	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
STD-1202	N/A	N/A	12	705	705	706	707	Calibration Standard
Blank-85	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-86	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank
ARGO#1E-01	PH-01	24-30	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
ARGO#1E-02	PH-02	24-30	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
ARGO#1E-03	PH-03	24-30	2	7	1	5	2	Groundwater
ARGO#1E-03-D	PH-03	24-30	1	8	1	5	3	QC - Duplicate
ARGO#1E-03-MS	PH-03	24-30	2	36	27	32	28	QC - Matrix Spike
Blank-87	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-30	N/A	N/A	9	478	443	448	442	QC - Retention Times
Blank-88	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
STD-1204	N/A	N/A	12	705	705	706	707	Calibration Standard
Blank-89	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-90	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank
EGC#S1-01	PH-01	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#S1-02	PH-01	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#S1-03	PH-01	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#S1-04	PH-01	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#S1-05	PH-02	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#S1-06	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
EGC#S1-07	PH-02	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas

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.
N/A = not applicable.
MS = matrix spike.

QA Review: Paul E Anderson

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