EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

Inside Risk Vertical extent BTEX - TPH

Day #3
Meter/Line ID – 90847

SITE DETAILS

Legals - Twn: 29N	**Rng: 8W**	**Sec: 17**	**Unit: A**
NMOCD Hazard Ranking: 10		**Land Type: BLM**	
Operator: Amoco		**Pit Closure Date: 05/18/94**	

RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated on May 18, 1994, to twelve feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the test pit. Approximately 80 cubic yards of excavated material was removed for landfarming and sent to an OCD approved centralized site. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 408 ppm; laboratory analysis indicated a benzene concentration of 19 mg/kg, a total BTEX concentration of 694 mg/kg, and a TPH concentration of 4290 mg/kg.

On June 28, 1995, a Phase II borehole was conducted to 30 feet below ground surface where bedrock was encountered with auger refusal. Groundwater was not encountered in the borehole. The borehole was grouted to the surface in a manner to direct surface runoff away from the pit area. A soil gas survey conducted indicates the BTEX component to be below action level down gradient of the pit.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for over six years.
- The pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the excavations or borehole.
- Bedrock was encountered at 30 feet below ground surface; consequently, impact to groundwater is unlikely.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Groundwater is estimated to be greater than 50 feet below ground surface.
- Excavated material has been removed from the pit, eliminating potential direct contact with livestock or the public.
- The pit was excavated to the practical extent of the equipment, according to EPNG's pit closure plan.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 90847 Location: DAY #3
Operator #: 0203 Operator Name: Amoco P/L District: BLOOMFIELD
Coordinates: Letter: A Section 17 Township: 29 Range: 8
Or Latitude _____ Longitude _____
Pit Type: Dehydrator X Location Drip: ___ Line Drip: ___ Other: _____
Site Assessment Date: 5·10·94 Area: 10 Run: 92

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 _____
(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: 10 **POINTS**

REMARKS

Remarks : THREE PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. LOCATION IS ON MANZANARES MESA. PEDLINE AND TOPO CONFIRMED LOCATION TO BE INSIDE THE V.Z.

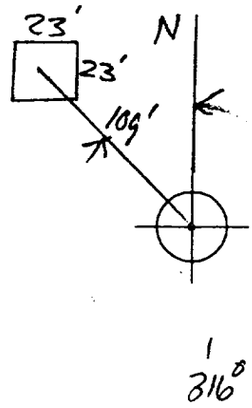
DIG & HAUL

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 316° Footage from Wellhead 109'

b) Length : 23 Width : 23 Depth : 4'



REMARKS

Remarks :

TOOK PICTURES AT 15:02

END DUMP

Completed By:

Robert Thompson

Signature

5.10.94

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 90847 Location: DAY #3

Coordinates: Letter: A Section 17 Township: 29 Range: 8

Or Latitude _____ Longitude _____

Date Started : 5-18-94 Area: 10 Run: 92

OBSERVATIONS

Sample Number(s): KD 72 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 408 ppm PID Reading Depth 12' Feet

Yes No

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

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 80

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Soil Disposition:

Envirotech ☐ (1) ☒ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 5-18-94 Pit Closed By: BEI

REMARKS

Remarks : Excavated Pit to 12', took PID Sample, Closed Pit. Pit Contamination was not very visible but had a very strong odor.

Signature of Specialist: Kelly Deaver

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD 72	945220
MTR CODE | SITE NAME:	90847	N/A
SAMPLE DATE | TIME (Hrs):	5-18-94	1415
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	5-19-94	5|19|94
DATE OF BTEX EXT. | ANAL.:	5|23|94	5|26|94
TYPE | DESCRIPTION:	VC	Brown Sand & Clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	19	MG/KG	50			
TOLUENE	260	MG/KG	50			
ETHYL BENZENE	25	MG/KG	50			
TOTAL XYLENES	390	MG/KG	50			
TOTAL BTEX	694	MG/KG				
TPH (418.1)	4290	MG/KG			2.04	28
HEADSPACE PID	408	PPM				
PERCENT SOLIDS	89.1	%				

– 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:
ATI results attached. Surrogate recovery not obtainable due to sample dilution.

DF = Dilution Factor Used

Approved By: John Fowler Date: 7/14/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 405389
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
13	945219	NON-AQ	05/18/94	05/23/94	05/26/94	1
14	945220	NON-AQ	05/18/94	05/23/94	05/26/94	50

PARAMETER	UNITS	13	14
BENZENE	MG/KG	<0.025	19
TOLUENE	MG/KG	<0.025	260
ETHYLBENZENE	MG/KG	<0.025	25
TOTAL XYLENES	MG/KG	0.046	390
SURROGATE:			
BROMOFLUOROBENZENE (%)		96	NA*

*SURROGATE RECOVERY NOT OBTAINABLE DUE TO SAMPLE DILUTION

Analytical **Technologies,** Inc.

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

ATI I.D. **405389**

June 2, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **05/20/94**, 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.

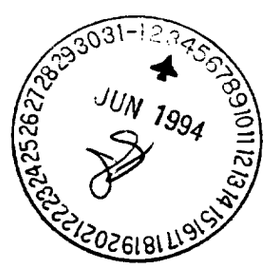
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jd

Enclosure



El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME												CONTRACT LABORATORY P. O. NUMBER
	Pit Closure Project # 24324												
SAMPLERS: (*Signature*) Kenny Deaver		DATE: 5-18-94			TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS						
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER			TPH EPA 418.1	BTEX EPA 8020				50 #	REMARKS
5219	5-18-94	1040	soil	KD 71	1	VC	X	X				63	
5220	5-18-94	1415	soil	KD 72	1	VC	X	X				64	

RELINQUISHED BY: (*Signature*)	DATE/TIME	RECEIVED BY: (*Signature*)	RELINQUISHED BY: (*Signature*)	DATE/TIME	RECEIVED BY: (*Signature*)
Kenny Deaver	5-18-94 1615	Brenda Kiess	Brenda Kiess	5/19/94 0935	
RELINQUISHED BY: (*Signature*)	DATE/TIME	RECEIVED BY: (*Signature*)	RELINQUISHED BY: (*Signature*)	DATE/TIME	RECEIVED OF LABORATORY BY: (*Signature*)
					Kim Kinsey

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)

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 1

Philip Environmental Services Corp.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG Pits
Project Number 14509 Phase ~~601~~ 6000
Project Location Day No. 3, 70847

Elevation
Borehole Location T29, R8, S.17, A
GWL Depth
Logged By S.Kelly
Drilled By K. Padilla
Date/Time Started 6/28/95, 0800
Date/Time Completed 6/28/95, 1020

Well Logged By S.Kelly
Personnel On-Site K. Padilla, F. Rivera, D. Charley
Contractors On-Site
Client Personnel On-Site

Drilling Method 4¼" ID HSA
Air Monitoring Method CGI, PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU BZ	BH	S	Drilling Conditions & Blow Counts
0				Backfill to 12'						
5										
10										
15	1	AK 6/28/95 15-17 16.5	.9/1.5'	sandy SILT, light brown 10-20% fine sand, very loose, dry		17	1	127	343/538	0830
20	2	20-22	1.2'/2.0'	silty SAND, light tan, 5-15% silt, v dense, dry		24	2	275	597/527	0845 may be weathered rock.
25	3	25-26.5	.1/1.5'	sandy SILT, light tan, 5-15% fine sand, dense, dry.			2	191	28/543	0855
30		30-		BOH - 30'			4	671		
35										
40										

Comments: Refusal at 30'. No sample taken due to high headspace reading at refusal. Augers can drill on but spoons can't be beaten. BH grouted to surface.

Geologist Signature Sarah Kelly

TABLE 1

RECON® Soil-Gas and Groundwater Investigation

El Paso Natural Gas Company Sites
San Juan Basin
Farmington, New Mexico

PIT LOCATION NAME	METER NUMBER	SAMPLE IDENTIFICATION	PREVIOUS INVESTIGATION
RINCON No. 48	71025	RINCON48	Phase II HSA refusal at 23' bls
RINCON No. 10	70645	RINCON10	Phase II HSA refusal at 25' bls
RINCON No. 70	71580	RINCON70	Phase II HSA refusal at 32' bls
CHACON AMIGOS No. 2	93370	CA2	Phase II HSA refusal at 30' bls
JAQUEZ A No. 1A	89619	JAC1A	Phase II HSA refusal at 18' bls
FLORANCE No. 107 PC	87017	FLORANCE107	Phase II HSA refusal at 29.5' bls
WALKER COM No. 1	75879	WALKERCOM1	Phase II HSA refusal at 27.5' bls
HEATH F1	72505	HEATHF1	Phase II HSA refusal at 18' bls
DAY No. 3	90847	DAY3	Phase II HSA refusal at 30' bls
SULLIVAN No. 1	70760	SULLIVAN1	Phase II HSA refusal at 23' bls
MARCOTTE 1A	89903	MARCOTTE1A	Phase II HSA refusal at 18' bls
TRUJILLO No.1 PC	72089	TRUJILLO1PC	GW encountered in phase I excavtion
FEDERAL 6 No. 32	94768	FEDERAL6No32	Phase II soil boring indicated GW at less than 20' bls
CANYON LARGO 304	93788	C-LARGO304	Phase II soil boring indicated GW at less than 20' bls
CANYON LARGO 298	93590	C-LARGO298	Phase II soil boring indicated GW at less than 20' bls
CANYON LARGO 302	93793	C-LARGO302	Phase II soil boring indicated GW at less than 20' bls
K-17 LINE DRIP	N/A	K17LINEDRIP	Phase II soil boring indicated GW at less than 20' bls
HOWELL No. 3 LINE DRIP	N/A	HOWELL#3LD	Phase II soil boring indicated GW at less than 20' bls
LATERAL 2C-1 LINE DRIP	N/A	LATERAL2C-1	Phase II HSA refusal at 42' bls
CUTLER 2	74289	CUTLER2	Phase II soil boring indicated GW at less than 20' bls
LATERAL 2C-22 No. 3 LINE DRIP	N/A	L2C-22No3LD	Phase II soil boring indicated GW at less than 20' bls
NICKELS No. 1 DK	73034	NICKELS#1DK	Phase II soil boring indicated GW at less than 20' bls
McGRATH No. 1	70862	MACGRATH#1	Phase II soil boring indicated GW at less than 20' bls
FLORA VISTA #1	75718	FLORAVISTA1	Phase II soil boring indicated GW at less than 20' bls
MARSHALL B-1J	89039	MB1J	Phase II soil boring indicated GW at less than 20' bls
ARGO No. 1E	93780	ARGO#1E	Phase II soil boring indicated GW at less than 20' bls
TRUNK D LINE DRIP	N/A	TDLD	Phase II soil boring indicated GW at less than 20' bls
K-31 LINE DRIP	N/A	K31LINEDRIP	Phase II soil boring indicated GW at less than 20' bls
MILES FEDERAL No. 1E	94495	MILESF#1E-01	Phase II soil boring indicated GW at less than 20' bls
ELLIOT GAS COM No. M1	73147	EGC#M1	Phase II HSA refusal at 22' bls
ELLIOT GAS COM No. S1	75265	EGC#S1	Phase II HSA refusal at 20' bls
LINDRITH B24	94967	LINDRITHB24	Phase II soil boring indicated GW at less than 20' bls
LINDRITH 23	74692	LINDRITH23	Phase II soil boring indicated GW at less than 20' bls
CANEPLE GAS COM No. 1	70714	CGC#1	Phase II HSA refusal at 18.5' bls
OHIO C GVT #3	72890	OCG3	GW encountered during Phase II excavation
C3 LOOP LINE DRIP	N/A	C3LLD	No GW encountered in Phase I excavation
SAN JUAN UNIT 28-6 #79 PM	72265	SJU28679PM	Phase II soil boring indicated GW at less than 20' bls
HAMMOND 41A	89894	H41A	Phase II soil boring indicated GW at less than 20' bls

HSA = Hollow-stem auger drill rig
bls = below land surface
GW = groundwater

TA. 2

RECON® Soil-Gas and Groundwater Investigation

El Paso Natural Gas Company Sites
San Juan Basin
Farmington, New Mexico

Location Name	U-S-T-R	Meter No.	Sample I.D.	Sample Matrix	No. of Probe Holes	No. of Samples	Depth	Comments
Rincon No. 48	N30-27-6	71025	RINCON48	Soil-gas	3	12	3-12	BTEX below action levels
Rincon No. 10	C36-27-7	70645	RINCON10	Soil-gas	3	12	3-12	BTEX below action levels
Rincon No. 70	A27-27-7	71580	RINCON70	Soil-gas	3	12	3-12	BTEX below action levels
Chacon Amigos No. 2	I2-22-3	93370	CA2	Soil-gas	4	16	3-12	Benzene above action levels
Jaquez A No. 1A	D5-29-9	89619	JAC1A	Soil-gas	3	12	3-12	BTEX below action levels
Florance No. 107 PC	E8-30-9	87017	FLORANCE107	Soil-gas	6	24	3-12	BTEX below action levels
Walker Com No. 1	P25-30-9	75879	WALKERCOM1	Soil-gas	3	12	3-12	BTEX below action levels
Heath F1	E8-29-9	72505	HEATHF1	Soil-gas	3	12	3-12	BTEX below action levels
Day No. 3	A17-29-8	90847	DAY3	Soil-gas	3	12	3-12	BTEX below action levels
Sullivan No. 1	M22-32-10	70760	SULLIVAN1	Soil-gas	3	12	3-12	BTEX below action levels
Marcotte 1A	I5-31-10	89903	MARCOTTE1A	Soil-gas	3	12	3-12	BTEX below action levels
Trujillo No. 1 PC	M21-29-10	72089	TRUJILLO1PC	Groundwater	15	18	4-6	Benzene above action level and offsite
Federal 6 No. 32	G6-26-7	94768	FEDERAL6No32	Soil-gas and Groundwater	6	32	3-30	BTEX above action levels
Canyon Largo 304	C11-24-6	93788	C-LARGO304	Soil-gas and Groundwater	6	15	3-21	BTEX above action levels
Canyon Largo 298	A3-24-6	93590	C-LARGO298	Soil-gas	3	12	3-12	BTEX below action levels
Canyon Largo 302	J3-24-6	93793	C-LARGO302	Soil-gas and Groundwater	8	17	3-24	BTEX below action levels
K-17 Line Drip	C26-27-8	N/A	K17LINEDRIP	Groundwater	3	3	18-27	BTEX below action levels
Howell No. 3 Line Drip	C3-27-8	N/A	HOWELL#3LD	Groundwater	3	3	21-27	BTEX below action levels
Lateral 2C-1 Line Drip	P36-27-11	N/A	LATERAL2C-1	Soil-gas	3	12	3-12	BTEX below action levels
Cutler 2	A14-24-6	93793	CUTLER2	Groundwater	4	4	24-27	BTEX below action levels
Lateral 2C-22 No. 3 Line Drip	G13-24-6	N/A	L2C-22No3LD	Groundwater	3	3	18-24	BTEX below action levels
Nickels No. 1 DK	K11-31-13	73034	NICKELS#1DK	Groundwater	5	5	12-15	Benzene above action levels
McGrath No. 1	F7-31-11	70862	MACGRATH#1	Soil-gas	3	3	9	BTEX below action levels
Flora Vista #1	F22-30-12	75718	FLORAVISTA1	Groundwater	3	3	24-30	BTEX below action levels
Marshall B-1J	O14-27-9	89039	MB1J	Soil-gas	3	3	8-20	BTEX below action levels
Argo No. 1E	N18-27-10	93780	ARGO#1E	Groundwater	3	3	24-30	BTEX below action levels
Trunk D Line Drip	E20-28-8	N/A	TDLD	Groundwater	3	3	15-24	BTEX below action levels
K-31 Line Drip	N16-25-6	N/A	K31LINEDRIP	Groundwater	14	14	21-24	Benzene above action levels and offsite

TA. 2

RECON® Soil-Gas and Groundwater Investigation

El Paso Natural Gas Company Sites
San Juan Basin
Farmington, New Mexico

Location Name	U-S-T-R	Meter No.	Sample I.D.	Sample Matrix	No. of Probe Holes	No. of Samples	Depth	Comments
Miles Federal No. 1E	N5-26-7	94495	MILESF#1E	Groundwater	3	3	24-30	BTEX below action levels
Elliot Gas Com No. M1	I33-30-9	73147	EGC#M1	Soil-gas	3	12	3-12	BTEX below action levels
Elliot Gas Com No. S1	M33-30-9	75265	EGC#S1	Soil-gas	3	12	3-12	BTEX below action levels
Lindrith B24	N9-24-3	94967	LINDRITHB24	Groundwater	3	3	21-27	Benzene above action levels and offsite
Lindrith B23	D9-24-3	74691	LINDRITHB23	Groundwater	3	3	21-27	BTEX below action levels
Caneple Gas Com No. 1	M18-31-10	70714	CGC#1	Soil-gas	3	12	3-12	BTEX below action levels
Ohio C Gvt #3	P26-28-11	72890	OCG3	Soil-gas and Groundwater	3	3	9-17	Benzene above action levels and offsite
C3 Loop Line Drip	D28-29-9	N/A	C3LLD	Soil-gas	3	12	3-12	BTEX below action levels
San Juan Unit 28-6 #79 PM	M11-27-6	722654	SJU28679PM	Groundwater	7	7	30-36	BTEX above action levels
Hammond 41A	O25-27-8	89894	H41A	Groundwater	9	9	15-23	BTEX above action levels

U-S-T-R = Unit-Section-Township-Range
BTEX = benzene, toluene, ethyl benzene, and xylenes

PHILIP

Sample Analysis Worksheet

Sample I.D.	Probe Hole Number	Depth (Feet)	Analysis Time	Analysis Date	Injection Vol. (µL)	Multiplier	VAC in. Hg	Comments
WALKERCOM1-12-	PH-03	12	1019	11/6/95	500	0.2	8	QC - Duplicate
Blank-23	N/A	N/A	1028	11/6/95	500	0.2	N/A	QC - System Blank
QCRT-07	N/A	N/A	1038	11/6/95	100	1	N/A	QC - Retention Times
HEATHF1-01	PH-01	3	1104	11/6/95	500	0.2	8	Soil-gas
HEATHF1-02	PH-01	6	1117	11/6/95	500	0.2	8	Soil-gas
HEATHF1-03	PH-01	9	1136	11/6/95	500	0.2	9	Soil-gas
HEATHF1-04	PH-01	12	1159	11/6/95	500	0.2	10	Soil-gas
HEATHF1-05	PH-02	3	1209	11/6/95	500	0.2	10	Soil-gas
HEATHF1-06	PH-02	6	1220	11/6/95	500	0.2	8	Soil-gas
HEATHF1-07	PH-02	9	1230	11/6/95	500	0.2	8	Soil-gas
HEATHF1-08	PH-02	12	1240	11/6/95	500	0.2	10	Soil-gas
HEATHF1-09	PH-03	3	1250	11/6/95	500	0.2	9	Soil-gas
HEATHF1-10	PH-03	6	1306	11/6/95	500	0.2	10	Soil-gas
HEATHF1-11	PH-03	9	1316	11/6/95	500	0.2	8	Soil-gas
HEATHF1-12	PH-03	12	1327	11/6/95	500	0.2	10	Soil-gas
HEATHF1-12-D	PH-03	12	1336	11/6/95	500	0.2	10	QC - Duplicate
Blank-24	N/A	N/A	1356	11/6/95	500	0.2	N/A	QC - System Blank
QCRT-08	N/A	N/A	1421	11/6/95	100	1	N/A	QC - Retention Times
DAY3-01	PH-01	3	1440	11/6/95	500	0.2	9	Soil-gas
DAY3-02	PH-01	6	1455	11/6/95	500	0.2	10	Soil-gas
DAY3-03	PH-01	9	1505	11/6/95	500	0.2	8	Soil-gas
DAY3-04	PH-01	12	1613	11/6/95	500	0.2	8	Soil-gas
DAY3-05	PH-02	3	1517	11/6/95	500	0.2	10	Soil-gas
DAY3-06	PH-02	6	1529	11/6/95	500	0.2	9	Soil-gas
DAY3-07	PH-02	9	1547	11/6/95	500	0.2	10	Soil-gas
DAY3-08	PH-02	12	1603	11/6/95	500	0.2	8	Soil-gas
DAY3-09	PH-03	3	1623	11/6/95	500	0.2	8	Soil-gas
DAY3-10	PH-03	6	1634	11/6/95	500	0.2	10	Soil-gas

NA - not applicable
QC - quality control
D - duplicate analysis

PHILIP

Sample Analysis Worksheet

Sample I.D.	Probe Hole Number	Depth (Feet)	Analysis Time	Analysis Date	Injection Vol. (µL)	Multiplier	VAC in. Hg	Comments
DAY3-11	PH-03	9	1642	11/6/95	500	0.2	8	Soil-gas
DAY3-12	PH-03	12	1654	11/6/95	500	0.2	8	Soil-gas
DAY3-12-D	PH-03	12	1703	11/6/95	500	0.2	8	QC - Duplicate
Blank-25	N/A	N/A	1748	11/6/95	500	0.2	N/A	QC - System Blank
QCRT-09	N/A	N/A	1827	11/6/95	100	1	N/A	QC - Retention Times
Blank-26	N/A	N/A	0626	11/7/95	500	0.2	N/A	QC - System Blank
STD-1107	N/A	N/A	0811	11/7/95	100	1	N/A	Calibration Standard
Blank-27	N/A	N/A	0833	11/7/95	500	0.2	N/A	QC - System Blank
Blank-28	N/A	N/A	0855	11/7/95	500	0.2	N/A	QC - Probe Rod Blank
SULLIVAN1-01	PH-01	3	0914	11/7/95	500	0.2	10	Soil-gas
SULLIVAN1-02	PH-01	6	0929	11/7/95	500	0.2	10	Soil-gas
SULLIVAN1-03	PH-01	9	0938	11/7/95	500	0.2	10	Soil-gas
SULLIVAN1-04	PH-01	12	0954	11/7/95	500	0.2	9	Soil-gas
SULLIVAN1-05	PH-02	3	1005	11/7/95	500	0.2	10	Soil-gas
SULLIVAN1-06	PH-02	6	1015	11/7/95	500	0.2	10	Soil-gas
SULLIVAN1-07	PH-02	9	1025	11/7/95	500	0.2	9	Soil-gas
SULLIVAN1-08	PH-02	12	1034	11/7/95	500	0.2	9	Soil-gas
SULLIVAN1-09	PH-03	3	1055	11/7/95	500	0.2	10	Soil-gas
SULLIVAN1-10	PH-03	6	1105	11/7/95	500	0.2	9	Soil-gas
SULLIVAN1-11	PH-03	9	1117	11/7/95	500	0.2	10	Soil-gas
SULLIVAN1-12	PH-03	12	1151	11/7/95	500	0.2	9	Soil-gas
MARCOTTE1A-01	PH-01	3	1208	11/7/95	500	0.2	10	Soil-gas
MARCOTTE1A-02	PH-01	6	1221	11/7/95	500	0.2	10	Soil-gas
MARCOTTE1A-03	PH-01	9	1231	11/7/95	500	0.2	10	Soil-gas
MARCOTTE1A-04	PH-01	12	1241	11/7/95	500	0.2	8	Soil-gas
MARCOTTE1A-05	PH-02	3	1253	11/7/95	500	0.2	10	Soil-gas
MARCOTTE1A-06	PH-02	6	1303	11/7/95	500	0.2	9	Soil-gas
MARCOTTE1A-07	PH-02	9	1312	11/7/95	500	0.2	8	Soil-gas

NA - not applicable
QC - quality control
D - duplicate analysis

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
WALKERCOM1-12-D	N/A	12	ND(1)	ND(1)	<1	3	<1	QC - Duplicate
Blank-23	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-07	N/A	N/A	204	154	119	113	107	QC - Retention Times
HEATHF1-01	PH-01	3	ND(1)	ND(1)	1	4	<1	Soil-gas
HEATHF1-02	PH-01	6	ND(1)	ND(1)	<1	3	<1	Soil-gas
HEATHF1-03	PH-01	9	ND(1)	ND(1)	<1	2	<1	Soil-gas
HEATHF1-04	PH-01	12	ND(1)	ND(1)	<1	2	<1	Soil-gas
HEATHF1-05	PH-02	3	ND(1)	ND(1)	1	5	<1	Soil-gas
HEATHF1-06	PH-02	6	ND(1)	ND(1)	<1	4	<1	Soil-gas
HEATHF1-07	PH-02	9	ND(1)	ND(1)	1	5	1	Soil-gas
HEATHF1-08	PH-02	12	ND(1)	ND(1)	<1	4	<1	Soil-gas
HEATHF1-09	PH-03	3	ND(1)	ND(1)	3	12	1	Soil-gas
HEATHF1-10	PH-03	6	ND(1)	ND(1)	3	12	3	Soil-gas
HEATHF1-11	PH-03	9	ND(1)	ND(1)	2	7	1	Soil-gas
HEATHF1-12	PH-03	12	ND(1)	ND(1)	<1	4	<1	Soil-gas
HEATHF1-12-D	PH-03	12	ND(1)	ND(1)	<1	4	<1	QC - Duplicate
Blank-24	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-08	N/A	N/A	307	280	255	251	248	QC - Retention Times
DAY3-01	PH-01	3	ND(1)	ND(1)	9	32	6	Soil-gas
DAY3-02	PH-01	6	ND(1)	ND(1)	7	26	5	Soil-gas
DAY3-03	PH-01	9	ND(1)	2	6	23	7	Soil-gas
DAY3-04	PH-01	12	2	28	7	25	8	Soil-gas
DAY3-05	PH-02	3	ND(1)	ND(1)	ND(1)	ND(1)	~~ND(1)~~ 5	Soil-gas
DAY3-06	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
DAY3-07	PH-02	9	48	39	34	32	53	Soil-gas
DAY3-08	PH-02	12	8	7	5	6	9	Soil-gas
DAY3-09	PH-03	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
DAY3-10	PH-03	6	ND(1)	ND(1)	ND(1)	2	ND(1)	Soil-gas

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 AK 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
DAY3-11	PH-03	9	25	15	13	11	22	Soil-gas
DAY3-12	PH-03	12	44	33	17	19	30	Soil-gas
DAY3-12-D	PH-03	12	47	39	23	25	41	QC - Duplicate
Blank-25	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-09	N/A	N/A	226	202	179	174	168	QC - Retention Times
Blank-26	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
STD-1107	N/A	N/A	232	232	232	232	232	Calibration Standard
Blank-27	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-28	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank
SULLIVAN1-01	PH-01	3	ND(1)	ND(1)	2	10	2	Soil-gas
SULLIVAN1-02	PH-01	6	ND(1)	ND(1)	1	4	<1	Soil-gas
SULLIVAN1-03	PH-01	9	ND(1)	ND(1)	5	8	1	Soil-gas
SULLIVAN1-04	PH-01	12	ND(1)	ND(1)	ND(1)	1	ND(1)	Soil-gas
SULLIVAN1-05	PH-02	3	ND(1)	ND(1)	ND(1)	<1	ND(1)	Soil-gas
SULLIVAN1-06	PH-02	6	ND(1)	ND(1)	ND(1)	<1	ND(1)	Soil-gas
SULLIVAN1-07	PH-02	9	ND(1)	ND(1)	ND(1)	<1	ND(1)	Soil-gas
SULLIVAN1-08	PH-02	12	ND(1)	ND(1)	ND(1)	3	ND(1)	Soil-gas
SULLIVAN1-09	PH-03	3	ND(1)	ND(1)	ND(1)	<1	ND(1)	Soil-gas
SULLIVAN1-10	PH-03	6	ND(1)	ND(1)	ND(1)	<1	ND(1)	Soil-gas
SULLIVAN1-11	PH-03	9	ND(1)	ND(1)	ND(1)	<1	ND(1)	Soil-gas
SULLIVAN1-12	PH-03	12	ND(1)	ND(1)	5	37	14	Soil-gas
MARCOTTE1A-01	PH-01	3	ND(1)	ND(1)	2	6	1	Soil-gas
MARCOTTE1A-02	PH-01	6	ND(1)	ND(1)	<1	4	<1	Soil-gas
MARCOTTE1A-03	PH-01	9	ND(1)	ND(1)	<1	2	ND(1)	Soil-gas
MARCOTTE1A-04	PH-01	12	ND(1)	ND(1)	<1	3	<1	Soil-gas
MARCOTTE1A-05	PH-02	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
MARCOTTE1A-06	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
MARCOTTE1A-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 vapor analyzed.
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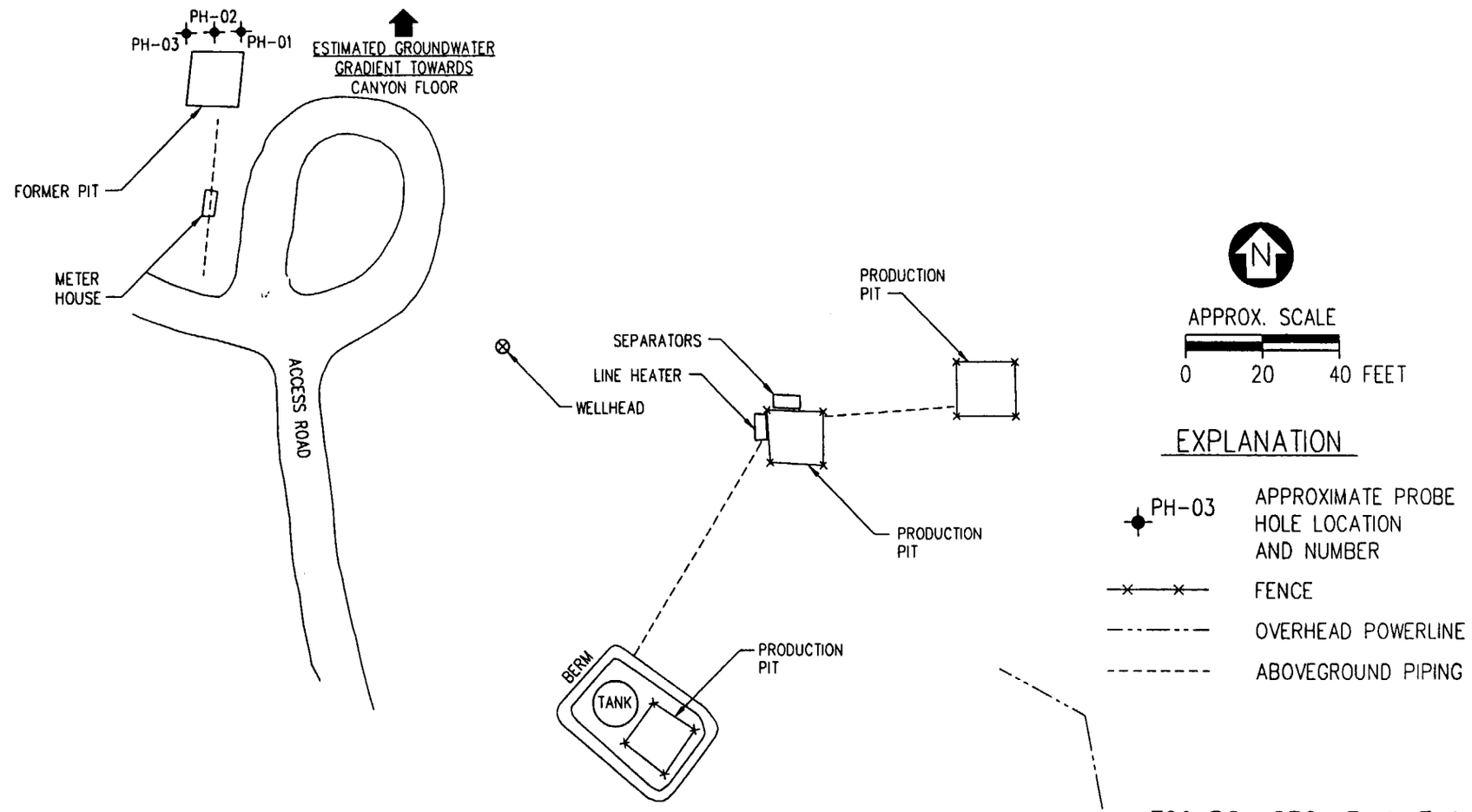
QA Review: Paul Anderson/KBG

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



COL. J:\13947\CM\CL009

PHILIP ENVIRONMENTAL

TITLE:
DAY WELL NO. 3
METER 90847
"SOIL GAS ONLY"

SCALE	AS NOTED	DATE
DWN:	M.R.W.	11/16/95
DES:		
CHKD:	K.B.G.	11/16/95
APPD:		

PROJECT NO: 13947
EPNG-RECON PITS

FIGURE 9

REV: 1