

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

*Risk  
defined  
extent of  
plume*

Submit 1 copy to  
appropriate  
District Office  
and 1 copy to  
the Santa Fe Office

(Revised 3/9/94)

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: Bannon Energy Incorporated Telephone: \_\_\_\_\_

Address: 30-039-21847

Facility Or: Tonkin #1, Meter 90467

Well Name \_\_\_\_\_

Location: Unit or Qtr/Qtr Sec O Sec 18 T 24 R 3 County Rio Arriba

Pit Type: Separator \_\_\_\_\_ Dehydrator \_\_\_\_\_ Other Drip

Land Type: BLM \_\_\_\_\_, State \_\_\_\_\_, Fee X Other \_\_\_\_\_

Pit Location: Pit dimensions: length 26', width 26', depth 4'  
(Attach diagram)

Reference: wellhead X, other \_\_\_\_\_

Footage from reference: 140'

Direction from reference: 105 Degrees X East North \_\_\_\_\_  
of  
\_\_\_\_\_ West South \_\_\_\_\_

Depth To Ground Water	Less than 50 feet	(20 points)
(Vertical distance from	50 feet to 99 feet	(10 points)
contaminants to seasonal	Greater than 100 feet	( 0 points) <u>20</u>
high water elevation of		
ground water.)		

Wellhead Protection Area:	Yes (20 points)
(Less than 200 feet from a private	No ( 0 points) <u>0</u>
domestic water source, or; less than	
1000 feet from all other water sources.)	

Distance To Surface Water:	Less than 200 feet	(20 points)
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	( 0 points) <u>0</u>
irrigation canals and ditches.)		

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 10/26/94 Date completed: 10/26/94

Remediation Method: Excavation X Approx. cubic yards 20

(Check all appropriate sections.)

Landfarmed \_\_\_\_\_ Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite Envirotech  
(i.e. landfarmed onsite,  
name and location of  
offsite facility)

General Description of Remedial Action: Some line markers. Pit has oil and water in it. We will load out two trucks because pit has too much oil and water in it. At 12' soil light gray. Closed pit. Pushed berms in.

Ground Water Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit:  
Closure Sampling:  
(if multiple samples,  
attach sample results  
and diagram of sample  
locations and depths)

Sample location Four walls and center of pit composite

Sample depth 12'

Sample Date 10/26/94 Sample time 09:30

Sample Results

Benzene(ppm) Not reported

Total BTEX(ppm) Not reported

Field headspace(ppm) 299

TPH 51000

Ground Water Sample: Yes \_\_\_\_\_ No X (If yes, attach sample results)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Date

1/8/03

Signature

Scott T. Pope

Printed Name

Scott T. Pope

and Title

Senior Env. Scientist



## PIT CLOSURE REQUEST

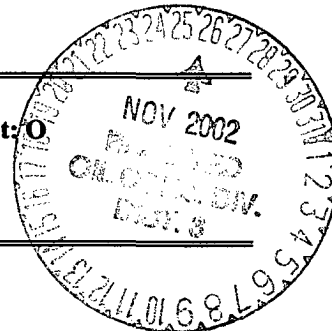
Tonkin #1  
Meter/Line ID 90467

### SITE DETAILS

Legals - Twn: 24N Rng: 3W  
NMOCD Hazard Ranking: 20  
Operator: Bannon Energy Incorporated

Sec: 18  
Land Type: Fee  
Pit Closure Date: 10/26/94

Unit: O



### 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 to 12 feet (ft) below ground surface (bgs) where a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 299 ppm; laboratory analysis indicated a TPH concentration of 51,000 mg/kg. The field headspace analysis and TPH measurement exceeded recommended remediation levels for the Hazard Ranking Score of 20.

Approximately 20 cubic yards of soil were excavated and hauled to Envirotech, a commercial landfarm, for treatment and disposal. The pit was backfilled with clean soil and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was completed to refusal at 22 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 20-22 ft bgs. Headspace analysis indicated an organic vapor content of 0 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3 mg/kg, and a TPH concentration of <20 mg/kg. The benzene, TPH and BTEX concentrations were below recommended remediation levels for the Hazard Ranking Score.

No Phase III activities were conducted.

El Paso Field Services 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 eight years.
- The test pit was excavated to the practical extent of the equipment, backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Backfilling the pit with clean soil eliminated the potential for direct contact with hazardous constituents by livestock or the public; i.e., direct contact exposure pathways are incomplete.
- Groundwater was not encountered in the soil boring to 22 ft bgs.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Benzene, total BTEX, and TPH concentrations in the soil sample collected at the base of the Phase II soil boring at 20 ft bgs were non-detect, indicating that no significant downward constituent migration is occurring.



## **PIT CLOSURE REQUEST**

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- Residual hydrocarbons remaining in the soil will likely degrade by natural attenuation with minimal risk to the environment.

### **ATTACHMENTS**

Field Pit Assessment Form  
Revised Field Pit Assessment Form  
Field Pit Remediation/Closure Form  
Phase II Soil Boring Log  
Laboratory Analytical Results

**REVISED**  
**FIELD PIT SITE ASSESSMENT FORM**

GENERAL

Meter: 90467 Location: Tonkin #1  
 Operator #: \_\_\_\_\_ Operator Name: \_\_\_\_\_ P/L District: \_\_\_\_\_  
 Coordinates: Letter: 0 Section 18 Township: 24 Range: 3  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator \_\_\_\_\_ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 4/14/98 Area: \_\_\_\_\_ Run: \_\_\_\_\_

SITE ASSESSMENT

**NMOCD Zone:** (From NMOCD Maps) **Land Type:**

Inside	<input type="checkbox"/> (1)	BLM	<input type="checkbox"/> (1)
Outside	<input checked="" type="checkbox"/> (2)	State	<input type="checkbox"/> (2)
		Fee	<input checked="" type="checkbox"/> (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, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)  
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 22 POINTS

REMARKS

Remarks : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is < 50' vertical from center of Medio Canyon.

# FIELD PIT SITE ASSESSMENT FORM

SK 10/28/94- See notes on back

GENERAL

Meter: 90-467 Location: Tonkin No. 1  
 Operator #: 0430 Operator Name: Bannon Energy P/L District: Ojito  
 Coordinates: Letter: O Section 18 Township: 24 Range: 3  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator \_\_\_\_\_ Location Drip: X Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 10/25/94 Area: 08 Run: 83

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 Medio 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: Outside  
Two pits, location drip pit has liquid in it, Will close  
one pit.

PUSH IN



## FIELD SERVICES LABORATORY

## ANALYTICAL REPORT

## PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

## SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 336	946458
MTR CODE   SITE NAME:	90467	N/A
SAMPLE DATE   TIME (Hrs):	10-26-94	0930
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	10-28-94	10-28-94
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	JG	Dark Brown sand & clay

REMARKS:

## RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	51000	MG/KG			.13	28
HEADSPACE PID	299 127 vol% 10/26/94	PPM				
PERCENT SOLIDS	86.5	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

11/3/94

# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 90467 Location: Tonkin No. 1

Coordinates: Letter: 0 Section 18 Township: 24 Range: 3

Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Date Started : 10/26/94 Area: 08 Run: 83

FIELD OBSERVATIONS

Sample Number(s): KP336

Sample Depth: 12' Feet

Final PID Reading 299 PID Reading Depth 12' Feet

Yes No

Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth \_\_\_\_\_ Feet

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 20

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Soil Disposition:

Envirotech ☒ (1) ☐ (3) Tierra

Other Facility ☐ (2) Name: \_\_\_\_\_

Pit Closure Date: 10/26/94 Pit Closed By: B.E.T.

REMARKS

Remarks : Some Link markers Pit Has oil & water in it  
We will load out Two Trucks. Because Pit Has To much oil & water in it  
At 12' soil light gray. Closed Pit

PUSH IN

Signature of Specialist: Kelly LeBlanc





CHAIN OF CUSTODY RECORD

Page \_\_\_\_\_ of \_\_\_\_\_

PROJECT NUMBER		PROJECT NAME		REQUESTED ANALYSIS		REMARKS									
SAMPLERS: (Signature)		DATE		EPA 418.1 BTEX EPA 8020		SEA									
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	SAMPLE TYPE	TPH	REMARKS								
24 1458	10-26-99	0930	Soil	1	VG	X	304								
24 1459	10-26-99	1030	Soil	1	VG	X	305								

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Kelly Padilla	10-27-99 1600	Bernie Kress	10/29/99 1100	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
				Kelly J

REQUESTED TURNAROUND TIME:	RESULTS & INVOICES TO:
<input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH	FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P.O. BOX 4990 FARMINGTON, NEW MEXICO 87499
CARRIER CO.	505-599-2144
BILL NO.:	505-599-2261



**Eli Lilly and Company**

# Waste II Drilling

9-3-98 Anal.

# CHAIN OF CUSTODY RECORD

PROJECT NUMBER # 24324		PROJECT NAME Pit Closure Project		DATE: 8/3/98		SAMPLES: (Signature)	
LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBERS OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS
980540	8/3/98	1558	SOIL	CMC 407	1	V6	TPH EPA 418.1 BTX EPA 8020 LAB PID TPH 8020 Field PID SEQUENCE #
<div style="display: flex; justify-content: space-between;"> <div> RECEIVED BY: (Signature)  RECEIVED BY: (Signature) </div> <div> DATE/TIME 8/3/98 1830 </div> <div> RECEIVED BY: (Signature)  RECEIVED BY: (Signature) </div> <div> DATE/TIME 8/4/98 1431 </div> </div>							
<div style="display: flex; justify-content: space-between;"> <div> REQUESTED TURNAROUND TIME:  <input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH </div> <div> CARRIER CO. </div> </div>							
<div style="display: flex; justify-content: space-between;"> <div> FIELD SERVICES LABORATORY  EL PASO NATURAL GAS COMPANY  P.O. BOX 4990  FARMINGTON, NEW MEXICO 87499 </div> <div> 505-599-2144  FAX: 505-599-2261 </div> </div>							

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

**505-599-2144**



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT  
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC407	980540
MTR CODE   SITE NAME:	90467	Tonkin #1
SAMPLE DATE   TIME (Hrs):	8/3/98	1558
PROJECT:	Phase II Drilling	
DATE OF TPH EXT.   ANAL.:	8/13/98	8/14/98
DATE OF BTEX EXT.   ANAL.:	8/10/98	8/11/98
TYPE   DESCRIPTION:	VG	SOIL

Field Remarks: 20-22'

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 (MOD.8015)	<20	MG/KG				
HEADSPACE PID	0	PPM				
PERCENT SOLIDS	93.7	%				

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

The Surrogate Recovery was at 88.4 % for this sample All QA/QC was acceptable.  
Narrative:

DF = Dilution Factor Used

Approved By:

*John Seavick*

Date:

8/25/98

# RECORD OF SUBSURFACE EXPLORATION

PHILIP SERVICES CORP.

4000 Monroe Road  
 Albuquerque, New Mexico 87401  
 (505) 326-2262 FAX (505) 326-2388

Borehole # BH-1  
 Well # NA  
 Page 1 of 1

Project Number 19643 Phase 1001.77  
 Project Name EPFS PITS >10  
 Project Location Tonkin No. 1 90-467

Elevation \_\_\_\_\_  
 Borehole Location LTR: O S:18 T:24 R:3  
 GWL Depth NA  
 Drilled By K. PADILLA C. Lovato  
 Well Logged By C. CHANCE  
 Date Started 8/3/98  
 Date Completed 8/3/98

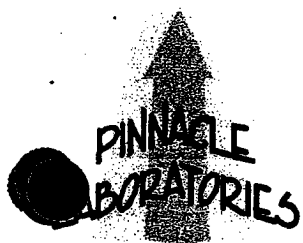
Drilling Method 4 1/4 ID HSA  
 Air Monitoring Method PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM			Drilling Conditions & Blow Counts
							BZ	BH	S/HS	
0										BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
5										
10				Pit Excavated to 12 feet						
15	1	15-17	12	DK br silty CLAY, med stiff, med plastic, dry			0	10	0/0	-1545h
20	2	20-22	24	lt br sandy SILT, tr F sand, loose, dry lt br silty SAND, vf sand loose, dry			0	0	0/0	-1558h
25				TDB 22'						
30										
35										
40										

Comments: CMC 407 (20-22') sent to lab for BTEX, TPH. GW not encountered. Btl grouted to surface

Geologist Signature

Cory Chance



# GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)  
CLIENT : EL PASO FIELD SERVICES  
PROJECT # : (none)  
PROJECT NAME : PHASE II DRILLING

PINNACLE I.D.: 808033

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	980539	NON-AQ	8/3/98	8/13/98	8/14/98	1
02	980540	NON-AQ	8/3/98	8/13/98	8/14/98	1
03	980559	NON-AQ	8/6/98	8/13/98	8/14/98	1

PARAMETER	DET. LIMIT	UNITS	01	02	03
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 10	< 10	< 10
FUEL HYDROCARBONS, C10-C22	5.0	MG/KG	22	< 5.0	5.4
FUEL HYDROCARBONS, C22-C36	5.0	MG/KG	15	< 5.0	8.4
ESTIMATED SUM:			37		13.8

## SURROGATE:

O-TERPHENYL (%)

SURROGATE LIMITS

( 66 - 151 )

107

95

104

## CHEMIST NOTES:

N/A



# GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)  
CLIENT : EL PASO FIELD SERVICES  
PROJECT # : (none)  
PROJECT NAME : PHASE II DRILLING

PINNACLE I.D.: 808033

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	980560	NON-AQ	8/6/98	8/13/98	8/14/98	1
05	980561	NON-AQ	8/7/98	8/13/98	8/14/98	1

PARAMETER	DET. LIMIT	UNITS	04	05
FUEL HYDROCARBONS, C6-C10	10	MG/KG	< 10	< 10
FUEL HYDROCARBONS, C10-C22	5.0	MG/KG	< 5.0	< 5.0
FUEL HYDROCARBONS, C22-C36	5.0	MG/KG	< 5.0	< 5.0

CALCULATED SUM:

SURROGATE:

O-TERPHENYL (%)

SURROGATE LIMITS

( 66 - 151 )

91

91

CHEMIST NOTES:

N/A

**PROJECT MANAGER:** John Lambdin

COMPANY: El Paso Field Services Co.

ADDRESS: 770 W. NAVAJO

Farmington, NM 87401

PHONE: (505) 599-2144

FAX: (505) 599-2261

BILL TO: Above

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

[illegible]

Petroleum Hydrocarbons (418.1) TRPH
(MOD.8015) Diesel/Direct Inject
(M8015) Gas/Purge & Trap
8021 (BTEx)/8015 (Gasoline)
8021 (BTEX) □ MTBE □ TMB □ PCE
8021 (TCL)
8021 (EDX)
8021 (HALO)
8021 (CUST)
504.1 EDB □ / DBCP □
8260 (TCL) Volatile Organics
8260 (Full) Volatile Organics
8260 (CUST) Volatile Organics
8260 (Landfill) Volatile Organics
Pesticides /PCB (608/8081)
Herbicides (615/8151)
Base/Neutral/Acid Compounds GC/MS (625/8270)
Polynuclear Aromatics (610/8310)
General Chemistry:
Priority Pollutant Metals (13)
Target Analyte List Metals (23)
RCRA Metals (8)
RCRA Metals by TCLP (Method 1311)
Metals:

**PROJ. NO.:**

PROJ. NAME: Phase II Drilling

**P.O. NO.:**

SHIPPED VIA: Fed Ex

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK

**CERTIFICATION REQUIRED:** ☐ NM ☐ SDWA

**METHANOL PRESERVATION** ☐

COMMENTS: FIXED FEE ☐

(NORMAL) ~~NA~~

☐ OTHER

100

COMMENTS: FIXED FEE ☐

Signature:                      Time:           

Walter Happer

Marlon Hoyer

Company: ABC

Signature: \_\_\_\_\_ Time: \_\_\_\_\_

---

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Company:**

Enlightenment

1000

[illegible]

**Abstract**

**THE UNIVERSITY OF CHICAGO**

**PLEASE FILL THIS FORM IN COMPLETELY.**

# BTEX SOIL SAMPLE WORKSHEET

File	:	980540	Date Printed	:	8/12/98
Soil Mass (g)	:	5.11	Multiplier (L/g)	:	0.00098
Extraction vol. (mL)	:	10	CAL FACTOR (Analytical):	:	200
Shot Volume (uL)	:	50	CAL FACTOR (Report):	:	0.19569

		DILUTION FACTOR:	1	Det. Limit
Benzene (ug/L)	:	<0.5	Benzene (mg/Kg): #VALUE!	0.489
Toluene (ug/L)	:	<0.5	Toluene (mg/Kg): #VALUE!	0.489
Ethylbenzene (ug/L)	:	<0.5	Ethylbenzene (mg/Kg): #VALUE!	0.489
p & m-xylene (ug/L)	:	<1.0	p & m-xylene (mg/Kg): #VALUE!	0.978
o-xylene (ug/L)	:	<0.5	o-xylene (mg/Kg): #VALUE!	0.489
			Total xylenes (mg/Kg): #VALUE!	1.468
			Total BTEX (mg/Kg): #VALUE!	



# RECORD OF SUBSURFACE EXPLORATION

PHILIP SERVICES CORP.

4000 Monroe Road

Albuquerque, New Mexico 87401

TEL (505) 326-2262 FAX (505) 326-2388

Borehole # BH-1

Well # NA

Page 1 of 1

Project Number 19643 Phase 1001.77

Project Name EPFS PITS >10

Project Location TENKIN No. 1 90-467

Elevation \_\_\_\_\_

Borehole Location LTR: O S: 18 T: 24 R: 3

GWL Depth NA

Drilled By K. PADILLA C. Lovato

Well Logged By C. CHANCE

Date Started 8/3/98

Date Completed 8/3/98

Drilling Method 4 1/4 ID HSA

Air Monitoring Method 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: PPM			Drilling Conditions & Blow Counts
							BZ	BH	S/HS	
0										BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
5										
10				Pit Excavated to 12 Feet						
15	1	15-17	12	DK br silty CLAY, med stiff, med plastic, dry			0	10	0	-1545 hr
20	2	20-22	24	lt br sandy SILT, tr F sand, loose, dry			0	0	0	-1558 hr
25				TDB 22'						
30										
35										
40										

Comments:

CMC 407 (20-22') sent to lab for BTEX, TPH. GW not encountered. BH grouted to surface

Geologist Signature

Cory Chance