EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

RISK TPH BTEX

Maddox Waller #1
Meter/Line ID – 70479

SITE DETAILS

Legals - Twn: 32N	**Rng: 11W**	**Sec: 14**	**Unit: L**
NMOCD Hazard Ranking: 20		**Land Type: FEE**	
Operator: Southland Royalty		**Pit Closure Date: 10/04/94**	

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 to twelve feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. 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 299 ppm; laboratory analysis indicated a TPH concentration of 3400 mg/kg. TPH was above required remediation levels for the Hazard Ranking Score. This site was re-assessed on March 27, 1997, because the initial assessment incorrectly included washes as a surface water body. There was no change in the Hazard Ranking Score from this revised assessment.

On April 29, 1998, a Phase II drill borehole was conducted to a depth of 62 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 borehole. Headspace analysis indicated an organic vapor content of 106 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3.0 mg/kg, and a TPH concentration of <20 mg/kg.

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 almost six years.
- The test 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.
- Groundwater is estimated to be greater than 100 feet below ground surface.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Based on the Hazard Ranking Score, benzene, total BTEX, and TPH were below required remediation levels for the Hazard Ranking Score.

ATTACHMENT

Field Pit Assessment Form
Phase II Drilling Geologic log
Revised Field Pit Site Assessment Form
Laboratory Analytical Results

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 70-479 Location: Maddox Waller #1

Operator #: 8367 Operator Name: Southland Royalty P/L District: Aztec

Coordinates: Letter: L Section 14 Township: 32 Range: 11

Or Latitude _____ Longitude _____

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

Site Assessment Date: 3/27/97 Area: 04 Run: 62

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?

Cave Spring ☒ (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: 20 POINTS

REMAR

Remarks : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. No Change

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 70-479 Location: Maddox Waller #1
Operator #: 8367 Operator Name: Southland Royalty Co. P/L District: Aztec
Coordinates: Letter: L Section 14 Township: 32 Range: 11
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: X Line Drip: ___ Other: _____
Site Assessment Date: 8/4/94 Area: 04 Run: 62

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 Cox 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: 20 **POINTS**

REMARKS

Remarks : Redline Book - Outside Vulnerable Zone Topo - Outside
Three pits on site, location drip pit is dry, will close one pit.

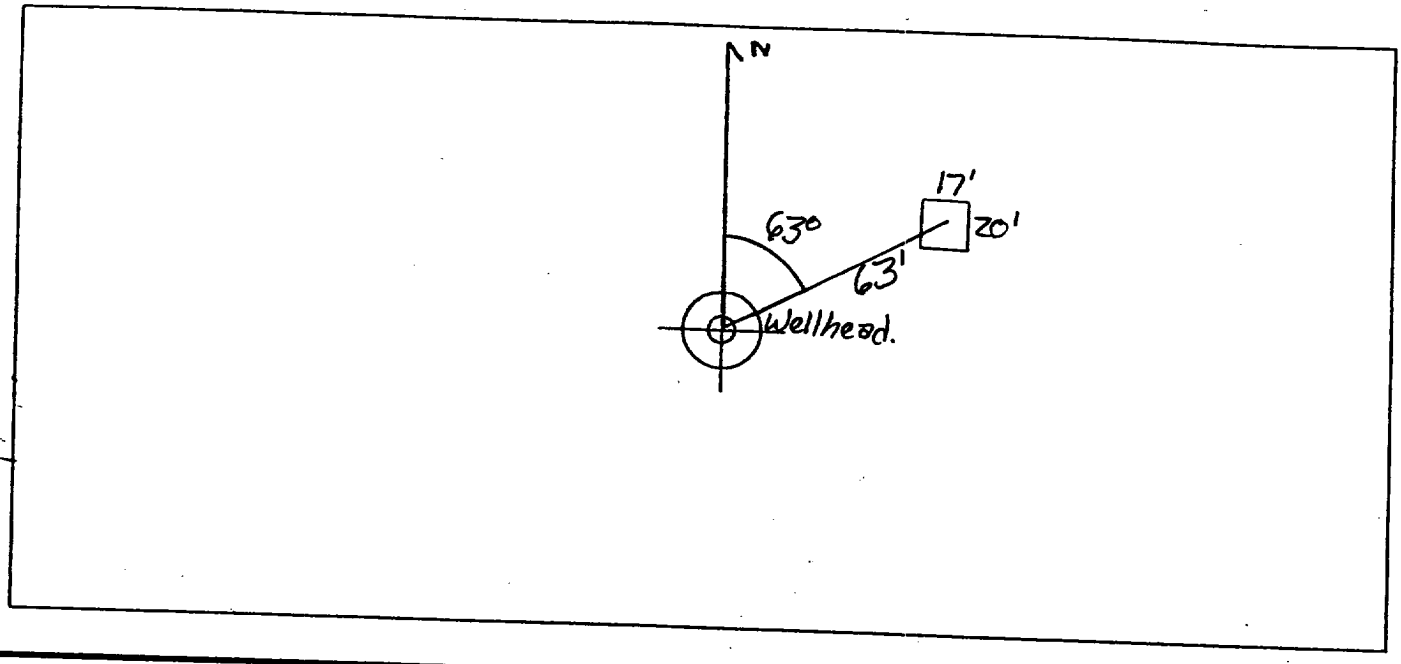
PUSH IN

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 63° Footage from Wellhead 63'

b) Length : 17' Width : 20' Depth : 4'



REMARKS

Remarks :

Pictures @ 1257 (17-20, Roll 2)
End Dump.

Completed By:

Sarah Kelly
Signature

8/4/94
Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 70479 Location: Maddox Waller #1

Coordinates: Letter: L Section 14 Township: 32 Range: 11

Or Latitude _____ Longitude _____

Date Started : 10/4/94 Run: 04 62

FIELD OBSERVATIONS

Sample Number(s): K0 310 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 299 PID Reading Depth 12' Feet

	Yes	No
Groundwater Encountered	☐	☒

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation ☐ Approx. Cubic Yards _____

Onsite Bioremediation ☐

Backfill Pit Without Excavation ☒

Soil Disposition:

Envirotech ☐ ☐ Tierra

Other Facility ☐ Name: _____

Pit Closure Date: 10/4/94 Pit Closed By: BEI

REMARKS

Remarks : Excavated pit to 12', Took PID Sample, Closed pit.

Signature of Specialist: Johnny Pegram

(SP3191) 03/16/94

El Paso Natural Gas Company

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

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD 310	946322
MTR CODE | SITE NAME:	70479	N/A
SAMPLE DATE | TIME (Hrs):	10-4-94	1320
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	10-6-94	
DATE OF BTEX EXT. | ANAL.:	N/A	N/A
TYPE | DESCRIPTION:	VG	Brown/Grey Sand & Clay

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	3400	MG/KG			2.01	28
HEADSPACE PID	299	PPM				
PERCENT SOLIDS	86.0	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By: _____ Date: 10/13/94

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME					TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS						CONTRACT LABORATORY P. O. NUMBER
# 24324	Pit Closure Project							TPH EPA 418.1	BTEX EPA 8020	LAB PID			SEQUENCE #	
SAMPLERS: (Signature)	Kenny Davis		DATE: 10/4/94											REMARKS
LAB ID	DATE	TIME	MATRIX	FIELD ID										
946317	10/4/94	0[illegible]	Soil	KD 305		1	VG	X					277	
946318	10/4/94	1030	Soil	KD 306		1	VG	X					278	
946319	10/4/94	1230	Soil	KD 307		1	VG	X					279	*
946320	10/4/94	1230	Soil	KD 308		1	D	X					—	
946321	10/4/94	1235	Soil	KD 309		1	B	X					-	
946322	10/4/94	1320	Soil	KD 310		1	VG	X					280	
946323	10/4/94	1505	Soil	KD 311		1	VG	X					281	
946324	10/4/94	1625	Soil	KD 312		1	VG	X					282	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Kenny Davis	10/4/94 1755	Brenda Kiess	Brenda Kiess	10/5/94 1125	
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)

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well # NA
Page 1 of 2

PHILIP SERVICES CORP.
,000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Number 19007 Phase 1001.77
Project Name EPFS WELLHEAD PITS
Project Location Mallon Miller #1 70749

Elevation
Borehole Location LTR: I S: 14 T: 32 R: 11
GWL Depth NA
Drilled By K. PADILLA
Well Logged By C. CHANCE
Date Started 4/29/98
Date Completed 4/29/98

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 BZ	BH	S/H S	Drilling Conditions & Blow Counts
0										
5	1	5-7	24	DK Br sandy CLAY, f sand, soft, low plastic, sl moist, sl odor			0	0	348/301	1310 hr
10	2	10-12	18	Gry sandy CLAY, f sand, soft, low plastic, sl moist, odor			0	4	326/224	1316 hr
15	3	15-17	18	AA			1	12	208/280	1322 hr
20	4	20-22	12	AA DK Gry CLAY, med stiff, hi plastic, dry, odor			1	110	306/200	1329 hr
25	5	25-27	12	AA Br CLAY, med stiff, hi plastic, dry, odor			0	80	323/94	1335 hr
30	6	30-32	24	Br sandy CLAY, tr vf sand, med stiff, hi plastic, dry, odor			0	50	280/134	1344 hr
35	7	35-37	24	Br clayey SAND, vf sand, med dense, dry			4	120	277/165	1355 hr
40	8	40-42	12	Br sandy CLAY, med stiff, low plastic, dry			10	100	234/159	1406

Comments: Site is <1000' From Cave Spring. Pit was backfilled w/o excavation CMC 378 (60-62') sent to lab (BTEX, TPH-8015. No GW encountered. Refusal @ 62'

Geologist Signature Cory Chance

RECORD OF SUBSURFACE EXPLORATION

PHILIP SERVICES CORP.
'000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1
Well # NA
Page 2 of 2

Project Number 19007 Phase 1001.77
Project Name EPFS WELLHEAD PITS
Project Location Maddox Waller #1 70749

Elevation
Borehole Location LTR: L S: 14 T: 32 R: 11
GWL Depth NA
Drilled By K. PADILLA
Well Logged By C. CHANCE
Date Started 4/29/98
Date Completed 4/29/98

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 BZ	BH	S	Drilling Conditions & Blow Counts
40										-Drlng harder
45	9	45-47	18	Br silty SAND, med dense, dry vF sand, tr clay			8	100	150/232	1423hn
50	10	50-52	18	Br sandy CLAY, stiff, low-non plastic, dry, F sand			10	40	170/146	1445 hn
55	11	55-57	18	DK Br sandy CLAY, tr F sand, stiff, high plastic, dry			0	25	86/56	1515 hn
60	12	60-62	24	Br sandy CLAY, F-med sand, stiff, low plastic, dry			0	21	25/106	-Close to refusal V. hard drlng 1540hn -Refusal @ 62'
65				TOB 62'						
70										
75										
80										

Comments:

Geologist Signature Cory Chance

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC378	980331
MTR CODE | SITE NAME:	70479	Maddox Waller #1
SAMPLE DATE | TIME (Hrs):	4/29/98	1540
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:		
DATE OF BTEX EXT. | ANAL.:	5/7/98	5/7/98
TYPE | DESCRIPTION:	VG	SOIL

Field Remarks: 60-62'

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	<3.0	MG/KG				
TPH (MOD.8015)	<20	MG/KG				
HEADSPACE PID	106	PPM				
PERCENT SOLIDS	90.4	%				

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

The Surrogate Recovery was at 104 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: John Turbe Date: 6/2/98

El Paso Natural Gas Company

Phase II Drilling

6-5-98 Chem.
6-8-98 Anal.

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (Signature) Cory Chavez DATE: 4/29/98

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	LAB PID	T/H 8015		SEQUENCE #	REMARKS
980330	4/29/98	1050	SOIL	CMC377	1	VG		✓	38	✓			Barnes #1A 90099 20 25-27'
980331	↓	1540	↓	CMC378	1	VG		✓	106	✓			Maddox Waller #1 20 70479 60-62'

REQUESTED ANALYSIS

CONTRACT LABORATORY P. O. NUMBER

Orc 4/29/98

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Cory Chavez 4/29/98	1700	Cory Chavez	Cory Chavez	4/30/98 0800	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)
					Dennis Bird

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS: COOL & INTACT 40°F

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)

American Environmental Network, Inc.

AEN I.D. 805329

May 21, 1998

EL PASO FIELD SERVICES
770 WEST NAVAJO
FARMINGTON, NM 87401

Project Name PHASE II DRILLING
Project Number (none)

Attention: JOHN LAMBDIN

On 5/8/98 American Environmental Network (NM), Inc. (ADHS License No. AZ0015), received a request to analyze **non-aq** 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.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph. D.
General Manager

MR: mt

Enclosure

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

American Environmental Network, Inc.

CLIENT	: EL PASO FIELD SERVICES	AEN I.D.	: 805329
PROJECT #	: (none)	DATE RECEIVED	: 5/8/98
PROJECT NAME	: PHASE II DRILLING	REPORT DATE	: 5/21/98

AEN ID. #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	980330	NON-AQ	4/29/98
02	980331	NON-AQ	4/29/98
03	980333	NON-AQ	4/30/98
04	980334	NON-AQ	4/30/98
05	980335	NON-AQ	5/1/98
06	980336	NON-AQ	5/4/98
07	980337	NON-AQ	5/4/98
08	980353	NON-AQ	5/6/98
09	980354	NON-AQ	5/5/98

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : EL PASO FIELD SERVICES AEN I.D.: 805329
PROJECT # : (none)
PROJECT NAME : PHASE II DRILLING

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	980330	NON-AQ	4/29/98	5/12/98	5/13/98	1
02	980331	NON-AQ	4/29/98	5/12/98	5/13/98	1
03	980333	NON-AQ	4/30/98	5/12/98	5/14/98	10

PARAMETER	DET. LIMIT	UNITS	01	02	03
FUEL HYDROCARBONS, C6-C10	10	**MG/KG**	**250**	< 10	**2600**
FUEL HYDROCARBONS, C10-C22	5.0	**MG/KG**	**670**	< 5.0	**240**
FUEL HYDROCARBONS, C22-C36	5.0	**MG/KG**	**460**	< 5.0	< 50
CALCULATED SUM:			**1380**		**2840**
SURROGATE:					
O-TERPHENYL (%)			147	130	113
SURROGATE LIMITS	(66 - 151)				

CHEMIST NOTES:
N/A

American Environmental Network (NM), Inc.
Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia

CHAIN OF CUSTODY

DATE: 5/7/98 PAGE: 1 OF 1

PROJECT MANAGER: John Lambdin

COMPANY: El Paso Field Services
ADDRESS: 770 W. Navajo
Farmington, NM 87401
PHONE: (505) 599-2144
FAX: (505) 599-2261

BILL TO: Above
COMPANY:
ADDRESS:

980330	4/29/98	1050	Soil	X
980331	4/29/98	1540		X
980333	4/30/98	1320		X
980334	4/30/98	1602		X
980335	5/1/98	1337		X
980336	5/4/98	1203		X
980337	5/4/98	1453		X
980353	5/6/98	1437		X
980354	5/5/98	1540	↓	X

Petroleum Hydrocarbons (418.1) TRPH
(MOD.8015) Diesel/Direct/Inject
(M8015) Gas/Purge & Trap
Gasoline/BTEX & MTBE (M8015/8020)
BTXE/MTBE (8020)
BTEX & Chlorinated Aromatics (602/8020)
BTEX/MTBE/EDC & EDB (8020/8010/Short)
Chlorinated Hydrocarbons (601/8010)
504 EDB ☐ / DBCP ☐
Polynuclear Aromatics (610/8310)
Volatile Organics (624/8240) GC/MS
Volatile Organics (8260) GC/MS
Pesticides/PCB (608/8080)
Herbicides (615/8150)
Base/Neutral/Acid Compounds GC/MS (625/8270)
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-X

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) X
CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER
METHANOL PRESERVATION ☐
COMMENTS: FIXED FEE ☐

Signature: Mark Hopper	Time: 1240
Printed Name: Marlon Hopper	Date: 5/7/98
Company: EPFS	

Signature:	Time:
Printed Name:	Date:
Company:	

Signature:	Time:
Printed Name:	Date:
Company:	

PLEASE FILL THIS FORM IN COMPLETELY.

4/1/9 ...N Inc.: American Environmental Network (NM), Inc. • 2709-D Pan American Freeway, NE • Albuque... ...New Mexico 87107 DISTRIBUTION: White, Canary - ... Pink - ORIGINATOR

BTEX SOIL SAMPLE WORKSHEET

File	980330	**Date Printed**	5/8/98		
Soil Mass (g)	5.08	**Multiplier (L/g)**	0.00098		
Extraction vol. (mL)	10	**CAL FACTOR (Analytical):**	200		
Shot Volume (uL)	50	**CAL FACTOR (Report):**	0.19685		
		DILUTION FACTOR:	**1**	**Det. Limit**	
Benzene (ug/L)	<0.5	**Benzene (mg/Kg):**	**#VALUE!**	0.492	
Toluene (ug/L)	<0.5	**Toluene (mg/Kg):**	**#VALUE!**	0.492	
Ethylbenzene (ug/L)	11.75	**Ethylbenzene (mg/Kg):**	**2.312**	0.492	
p & m-xylene (ug/L)	145.17	p & m-xylene (mg/Kg):	28.577	0.984	
o-xylene (ug/L)	25.02	o-xylene (mg/Kg):	4.925	0.492	
		Total xylenes (mg/Kg):	**33.501**	1.476	
		Total BTEX (mg/Kg):	**#VALUE!**		

BTEX SOIL SAMPLE WORKSHEET

File	980331	**Date Printed**	5/8/98	
Soil Mass (g)	5.12	**Multiplier (L/g)**	0.00098	
Extraction vol. (mL)	10	**CAL FACTOR (Analytical):**	200	
Shot Volume (uL)	50	**CAL FACTOR (Report):**	0.19531	
		DILUTION FACTOR:	**1**	**Det. Limit**
Benzene (ug/L)	<0.5	**Benzene (mg/Kg):**	**#VALUE!**	0.488
Toluene (ug/L)	1.15	**Toluene (mg/Kg):**	**0.224**	0.488
Ethylbenzene (ug/L)	<0.5	**Ethylbenzene (mg/Kg):**	**#VALUE!**	0.488
p & m-xylene (ug/L)	1.43	p & m-xylene (mg/Kg):	0.280	0.977
o-xylene (ug/L)	<0.5	o-xylene (mg/Kg):	#VALUE!	0.488
		Total xylenes (mg/Kg):	**#VALUE!**	1.465
		Total BTEX (mg/Kg):	**#VALUE!**	

PROJECT _____ Continued From Page _____

Sample	Pan wt - Smpl wt	Pan+Dry	Dry wt	% Solids
3/26/98				
980253	2.61 - 11.97 = 9.36	11.05	8.44	90.2 %
980253 dup	2.65 - 11.94 = 9.29	10.99	8.34	89.8
980254	2.64 - 12.33 = 9.69	~~9.69~~ 11.36	8.72	90.0
4/28/98				
980324	2.63 - 10.92 = 8.29	10.50	7.87	94.9%
980324 dup	2.61 - 9.38 = 6.77	9.06	6.45	95.3%
980325	2.64 - 11.04 = 8.40	10.51	7.87	93.7
5/7/98				
980330	2.65 - 11.00 = 8.35	10.68	7.43	89.0 %
980331	2.65 - 11.50 = 8.85	10.65	8	90.4
980333	2.63 - 11.88 = 9.25	11.08	8.45	91.4
980334	2.62 - 11.20 = 8.58	10.39	7.77	90.6
980335	2.64 - 11.76 = 9.12	10.65	8.01	87.8
980336	2.63 - 11.46 = 8.83	11.02	8.39	95.0%
980337	2.63 - 11.09 = 8.46	10.57	7.94	93.9
980353	2.64 - 10.51 = 7.87	10.08	7.44	94.5
980353 dup	2.63 - 10.00 = 7.37	9.61	6.98	94.7
980354	2.63 - 11.14 = 8.51	10.36	7.73	90.8

Continued on Page

Read and Understood By

Signed _____ Date _____ Signed _____ Date _____