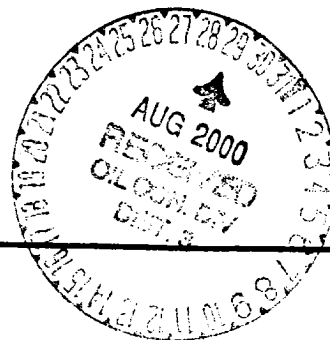


Approved
Bill Olson

FIELD PIT SITE ASSESSMENT FORM



GENERAL

Meter: 93156 Location: MARY ACKROYD #1
Operator #: _____ Operator Name: MANANA GAS P/L District: KUTZ
Coordinates: Letter: J Section 19 Township: 30 Range: 11
Or Latitude _____ Longitude _____
Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
Site Assessment Date: 12-12-94 Area: 02 Run: 71

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 ANIMAS RIVER
(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

REMARKS

Remarks : REDLINE & TOPO SHOW LOCATION INSIDE V.Z. TWO PITS ON LOCATION-
ONE BELONGS TO OPERATOR. EPNG HAS THE LOCATION DRIP PIT. PIT HAS A
STEEL TANK IN IT. MAY CLOSE PIT.

DR. MAUL ?

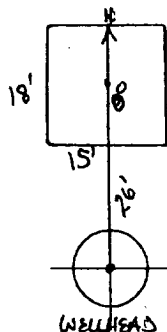
FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>93156</u> Location: <u>Mary ACKROYD #1</u></p> <p>Coordinates: Letter: <u>J</u> Section <u>18</u> Township: <u>30</u> Range: <u>11</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>1-4-95</u> Run: <u>02</u> <u>71</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>KP372</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>001</u> PID Reading Depth <u>12'</u> Feet</p> <p style="text-align: center;">Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> Approx. Cubic Yards <u>20</u></p> <p>Onsite Bioremediation <input type="checkbox"/></p> <p>Backfill Pit Without Excavation <input type="checkbox"/></p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> <input checked="" type="checkbox"/> Tierra</p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>1-4-95</u> Pit Closed By: <u>B. EI</u></p>
REMARKS	<p>Remarks : <u>some like markers started Remediating to 12'</u></p> <p><u>soil dark black like sludge. AT 12' soil turned light brown NO odor.</u></p> <p><u>closed pit.</u></p>
	<p>Signature of Specialist: <u>Kelly Petrella</u></p>

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 0° Footage from Wellhead 26'
b) Length : 18' Width : 15' Depth : 2'



REMARKS

Remarks :

PHOTOS - 1214

Completed By:

Robert Thompson
Signature

12-12-94
Date



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP372	946554
MTR CODE SITE NAME:	93156	Mary Ackroyd #1
SAMPLE DATE TIME (Hrs):	1/4/95	900
PROJECT:	Phase I	
DATE OF TPH EXT. ANAL.:	1/12/95	1/12/95
DATE OF BTEX EXT. ANAL.:	1/8/95	1/8/95
TYPE DESCRIPTION:	VC	Dark brown 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	<1.5	MG/KG				
TOTAL BTEX	<3	MG/KG				
TPH (418.1)	272	MG/KG			1.99	28
HEADSPACE PID	1	PPM				
PERCENT SOLIDS	86.2	%				

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

The Surrogate Recovery was at 93.6 for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By: John Larkin INGVPIT.XLS Date: 2-22-95



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 372	946554
MTR CODE SITE NAME:	93156	N/A
SAMPLE DATE TIME (Hrs):	1-4-95	0900
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	1-12-95	1-12-95
DATE OF BTEX EXT. ANAL.:	1/8/95	1/8/95
TYPE DESCRIPTION:	VL	Dark Brown sand and clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.005	MG/KG	0.00102		4.9	SV
TOLUENE	<0.005	MG/KG				
ETHYL BENZENE	<0.005	MG/KG				
TOTAL XYLENES	<0.015	MG/KG				
TOTAL BTEX	<0.030	MG/KG				
TPH (418.1)	272	MG/KG			1.99	28
HEADSPACE PID	1	PPM				
PERCENT SOLIDS	86.2	%				

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

The Surrogate Recovery was at 93.6 % for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By: [Signature]

Date: 2-22-95

BTEX SOIL SAMPLE WORKSHEET

File	:	946554A	Date Printed	:	1/9/95
Soil Mass (g)	:	4.9	Multiplier (L/g)	:	0.00102
Extraction vol. (mL)	:	SV 20 mL	DF (Analytical)	:	1
Shot Volume (uL)	:	SV 200 uL	DF (Report)	:	0.00102

				Det. Limit
Benzene (ug/L)	:	0.00	Benzene (mg/Kg):	0.000 0.005
Toluene (ug/L)	:	1.06	Toluene (mg/Kg):	0.001 0.005
Ethylbenzene (ug/L)	:	0.82	Ethylbenzene (mg/Kg):	0.001 0.005
p & m-xylene (ug/L)	:	5.41	p & m-xylene (mg/Kg):	0.006 0.010
o-xylene (ug/L)	:	4.47	o-xylene (mg/Kg):	0.005 0.005
			Total xylenes (mg/Kg):	0.010 0.015
			Total BTEX (mg/Kg):	0.012

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

TEMPORARY PIEZOMETER INSTALLATION

Philip Services Corp.

4000 Monroe Rd

Farmington, NM 87401

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

Borehole #

Well # PZ-1

Page 1 of 1

Project Name EPFS GW PITS

Project Number 17520 Phase 6006

Site Location Mary Ackroyd #1 93156

Elevation

Well Location Ltr J-S/8-130-R11

GWL Depth ~4' BGS

Installed By C.R. Chance

On-Site Geologist C. CHANCE

Personnel On-Site

Contractors On-Site

Client Personnel On-Site

Date/Time Started 5/28/98

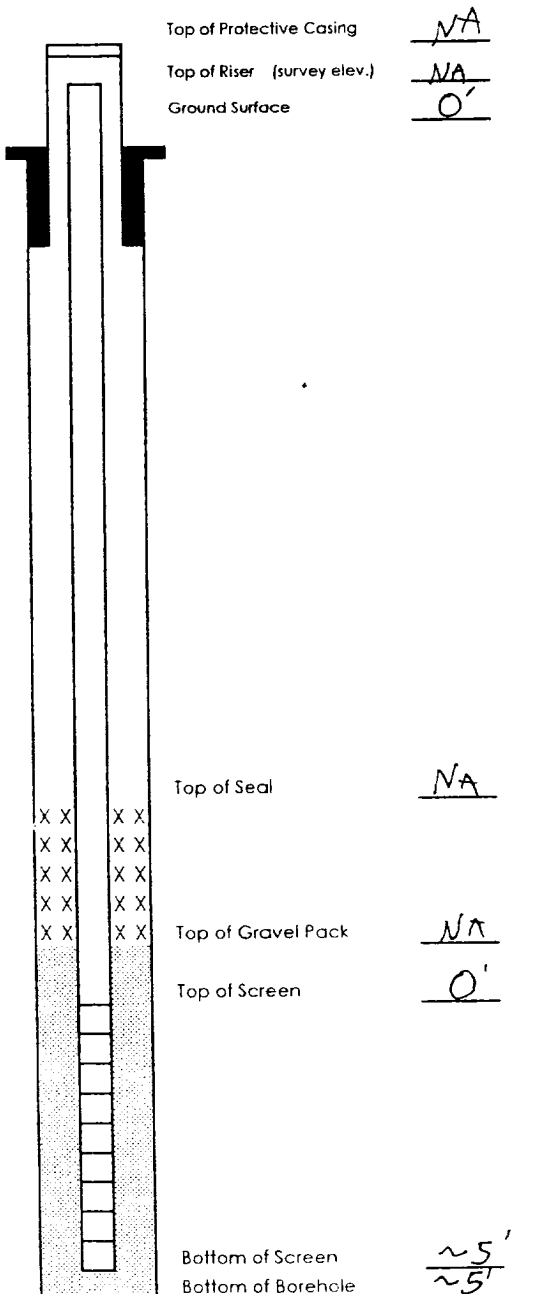
Date/Time Complete 5/28/98

COMMENTS

Hand Augered to ~5'
BGS & installed 5' of
1" PVC screen with
a drive pt. Collected
one same GW sample
w/ a disposable
bailer. Sample
sent to lab for
BTX analysis.

PZ-1 was installed on
NW corner of pit. The
operator has a tank
in the center of EPFS's
Former pit & it has
fluid in it (product) &
is almost full.

PZ-1 was pulled after
sampling & BH filled
with bentonite





EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC387	980419
MTR CODE SITE NAME:	93156	Mary Ackroyd #1
SAMPLE DATE TIME (Hrs):	5/28/98	1430
PROJECT:	Phase II Drilling	
DATE OF BTEX EXT. ANAL.:	6/5/98	6/5/98
TYPE DESCRIPTION:	PZ-1	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	< 1	PPB				
TOLUENE	< 1	PPB				
ETHYL BENZENE	< 1	PPB				
TOTAL XYLENES	< 3	PPB				
TOTAL BTEX	< 6	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 92.3 % for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

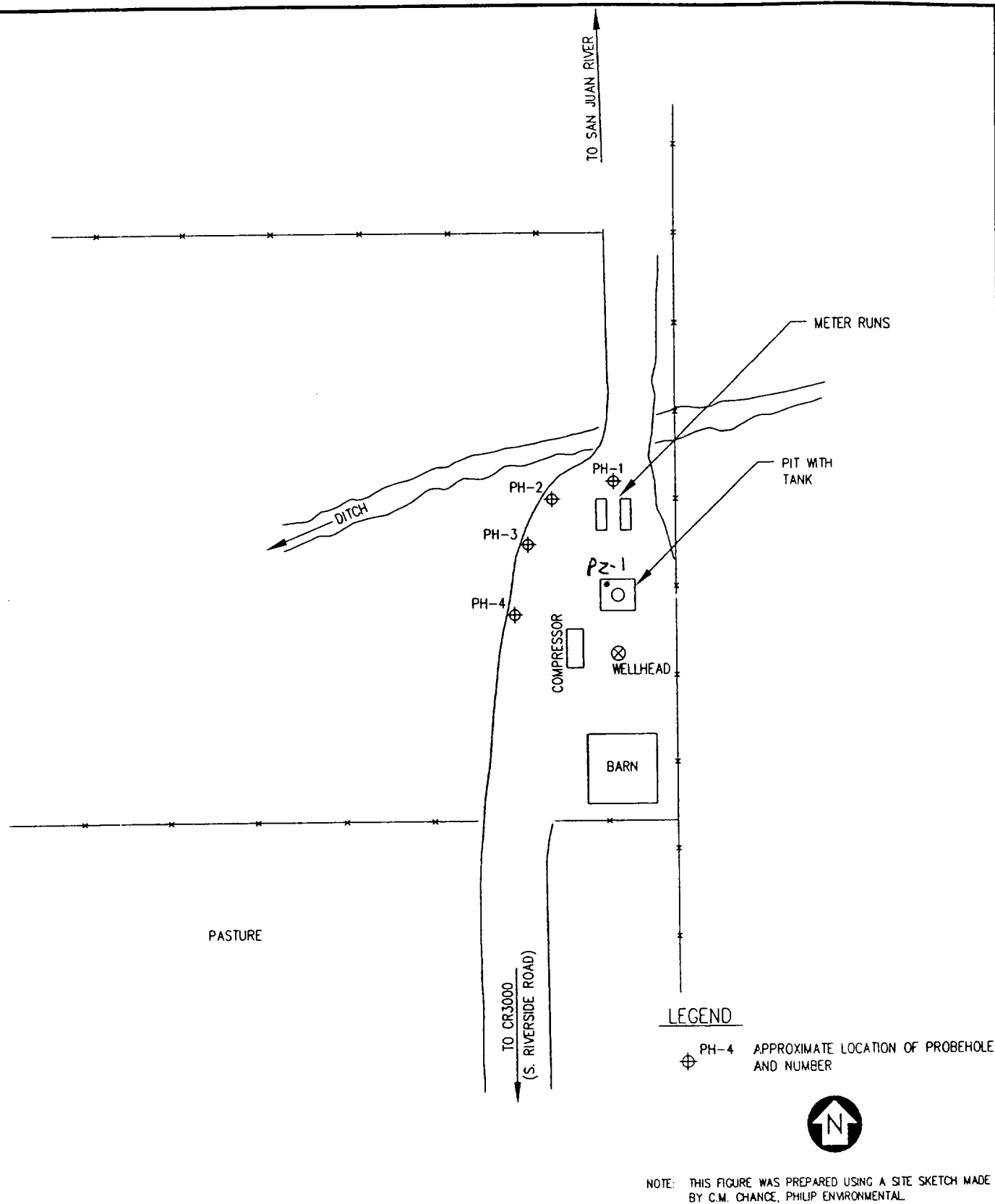
Narrative: _____

Approved By: _____

John Labadie

Date: _____

6/10/98



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TITLE:

SITE PLAN

MARY ACKROYD #1 93156

170-8-1-1-1-1-1

1	GENERAL REVISIONS	M.R.W.		4/29/97
NO.	REVISION	BY	APPR.	DATE
SCALE	NONE	DATE	PROJECT NO: 17520	
DWN:	M.R.W.	4/28/97	EPFS PITS	
DES:			BLOOMFIELD, NM	
CHKD:			FIGURE 1	REV: 1



Phase II Drilling

CHAIN OF CUSTODY RECORD

6-21-98 Axel.
6-24-98 Chm.

Page _____ of _____

[illegible]

RECORD OF SUBSURFACE EXPLORATION

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

PHILIP ENVIRONMENTAL

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 Mary Ackroyd #1 93156

Elevation _____
Borehole Location QJ-S 18-T20-R11
GWL Depth 3.3' BGS
Logged By CM CHANCE
Drilled By K Padilla F. Rivera
Date/Time Started 10/23/95-1310
Date/Time Completed 10/23/95-1400

Well Logged By CM Chance
Personnel On-Site K Padilla, D. Charlie
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			Drilling Conditions & Blow Counts
							Units: PPM			
							BZ	BH	HS	
0				Backfill to 12'						
5										
10										
15	1	15-16	18	Br/clear SAND, med-coarse sand, tr f sand, dense, wet TDB 16'			0	3	0 NA	-V. hard drilling -cobbles @ 11' -ctngs N. moist @ 11' -GW @
20										
25										
30										
35										
40										

Comments:

~~Handwritten text~~ GW @ 3.3'. BH Filled w/ Enviroplug
to _____ & grouted to surface. No odor or visible contamination on GW

Geologist Signature

Core Chance



EL PASO FIELD SERVICES



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC245	947996
MTR CODE SITE NAME:	93156	Mary Ackroyd #1
SAMPLE DATE TIME (Hrs):	11/14/96	1010
PROJECT:	GEOPROBE	
DATE OF BTEX EXT. ANAL.:	11/18/96	11/18/96
TYPE DESCRIPTION:	PH1	Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	<1	PPB				
TOLUENE	<1	PPB				
ETHYL BENZENE	<1	PPB				
TOTAL XYLENES	<3	PPB				
TOTAL BTEX	<6	PPB				

—BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 93.1 % for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

Narrative:

Approved By:

Date:

11/25/96



EL PASO FIELD SERVICES



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC246	947997
MTR CODE SITE NAME:	93156	Mary Ackroyd #1
SAMPLE DATE TIME (Hrs):	11/14/96	1025
PROJECT:	GEOPROBE	
DATE OF BTEX EXT. ANAL.:	11/18/96	11/18/96
TYPE DESCRIPTION:	PH2	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	< 1	PPB				
TOLUENE	< 1	PPB				
ETHYL BENZENE	< 1	PPB				
TOTAL XYLENES	< 3	PPB				
TOTAL BTEX	< 6	PPB				

—BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 90.3 % for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

Narrative: _____

Approved By: _____

John Lamb

Date: _____

11/25/96



EL PASO FIELD SERVICES



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC247	947998
MTR CODE SITE NAME:	93156	Mary Ackroyd #1
SAMPLE DATE TIME (Hrs):	11/14/96	1040
PROJECT:	GEOPROBE	
DATE OF BTEX EXT. ANAL.:	11/18/96	11/18/96
TYPE DESCRIPTION:	PH3	Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	< 1	PPB				
TOLUENE	< 1	PPB				
ETHYL BENZENE	< 1	PPB				
TOTAL XYLENES	< 3	PPB				
TOTAL BTEX	< 6	PPB				

—BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 91.4 % for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

Narrative:

Approved By:

John L. Linder

Date:

11/25/96



EL PASO FIELD SERVICES



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC248	947999
MTR CODE SITE NAME:	93156	Mary Ackroyd #1
SAMPLE DATE TIME (Hrs):	11/14/96	1100
PROJECT:	GEOPROBE	
DATE OF BTEX EXT. ANAL.:	11/18/96	11/18/96
TYPE DESCRIPTION:	PH4	Water

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	<1	PPB				
TOLUENE	<1	PPB				
ETHYL BENZENE	<1	PPB				
TOTAL XYLENES	<3	PPB				
TOTAL BTEX	<6	PPB				

—BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 89.2 % for this sample All QA/QC was acceptable.
DF = Dilution Factor Used

Narrative:

Approved By:

John Ladd

Date:

11/25/96



A 2330

CHAIN OF CUSTODY RECORD

[illegible]

Hampton #4M

K-13-30N-11W

Southland Royalty Co.