

3R - 240

REPORTS

DATE:

July, 1996

August 20, 1996

Mr. Bill Olson
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RECEIVED

AUG 20 1996

Environmental Bureau
Oil Conservation Division

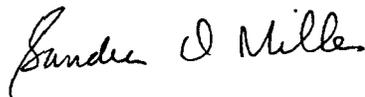
RE: Production Pit Closure Submittal

Dear Mr. Olson:

Enclosed herein are data packages for work completed at El Paso Field Services (EPFS) production pit locations where shallow groundwater was encountered during closure operations. The data included within indicate that these sites merit closure per the New Mexico Oil Conservation Division's (NMOCD) Vulnerable Area Orders and EPFS's closure plan submitted to the NMOCD. In front of each data package is a site specific checklist that indicates the work completed at each location. Each checklist is followed by a short summary of the activities and results of data collected to support closure.

Sincerely,

El Paso Field Services



Sandra Miller
Senior Environmental Manager

j:\16297\sm

SAN JUAN BASIN PIT CLOSURES
San Juan Basin, New Mexico

Pit Closure Report

July 1996

Prepared For

El Paso Field Services
Farmington, New Mexico

Project 16297

PHILIP
ENVIRONMENTAL

Denied
GW at sample
above stps.

Closure Checklist

Meter Code

95136

Summary
Site Map
Site Assessment Sheet

Phase I Excavation

Yes

closure form
soil analytical results
soil chain-of-custody
groundwater analytical results
groundwater chain-of-custody
bills of lading

Phase II Soil Boring

No

boring log
soil analytical results
soil chain-of-custody
well installation form
development form
groundwater analytical
groundwater chain-of-custody

Phase III Excavation

No

closure form
soil analytical results
soil chain-of-custody
groundwater analytical
groundwater chain of-custody
bills of lading

Recon performed

Yes

groundwater analytical
soil-gas analytical

If item boxes are not checked they are not applicable



Philip Environmental Services Group
Environmental Services

Trujillo Gas Com A#1
Meter Code 95136

Pit was excavated to 7 feet beneath ground surface, where groundwater was encountered. The headspace soil reading from excavation bottom was 354 parts per million. Soil analytical were as follows; benzene - 1.4 mg/kg, total BTEX - 81.6 mg/kg, TPH - 6270 mg/kg. One groundwater sample was collected with analytical results as follows; benzene - 3,200ppb, toluene - 2,500 ppb, ethylbenzene - 2,500 ppb, total xylenes - 28,000 ppb.

A RECON® survey was conducted and five soil-gas samples and five groundwater samples were collected in probe holes surrounding the pit. All samples were collected and analyzed using a laboratory-grade gas chromatograph by Philip Environmental's RECON® System.. No BTEX constituents were detected.

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 95136 Location: TRUJILLO GAS COM A #1
 Operator #: 0203 Operator Name: Amoco P/L District: BLOOMFIELD
 Coordinates: Letter: C Section 28 Township: 29 Range: 10
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Visit Date: 4.12.94 Run: 10 42

SITE ASSESSMENT

NMOCD Zone: Inside Land Type: BLM
 (From NMOCD Vulnerable State
 Maps) Zone Fee
 Outside Indian _____

Depth to Groundwater
 Less Than 50 Feet (20 points)
 50 Ft to 99 Ft (10 points)
 Greater Than 100 Ft (0 points)

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? YES (20 points) NO (0 points)

Horizontal Distance to Surface Water Body
 Less Than 200 Ft (20 points)
 200 Ft to 1000 Ft (10 points)
 Greater Than 1000 Ft (0 points)

Name of Surface Water Body SAN JUAN RIVER
 (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

TOTAL HAZARD RANKING SCORE: 40 POINTS

REMARKS

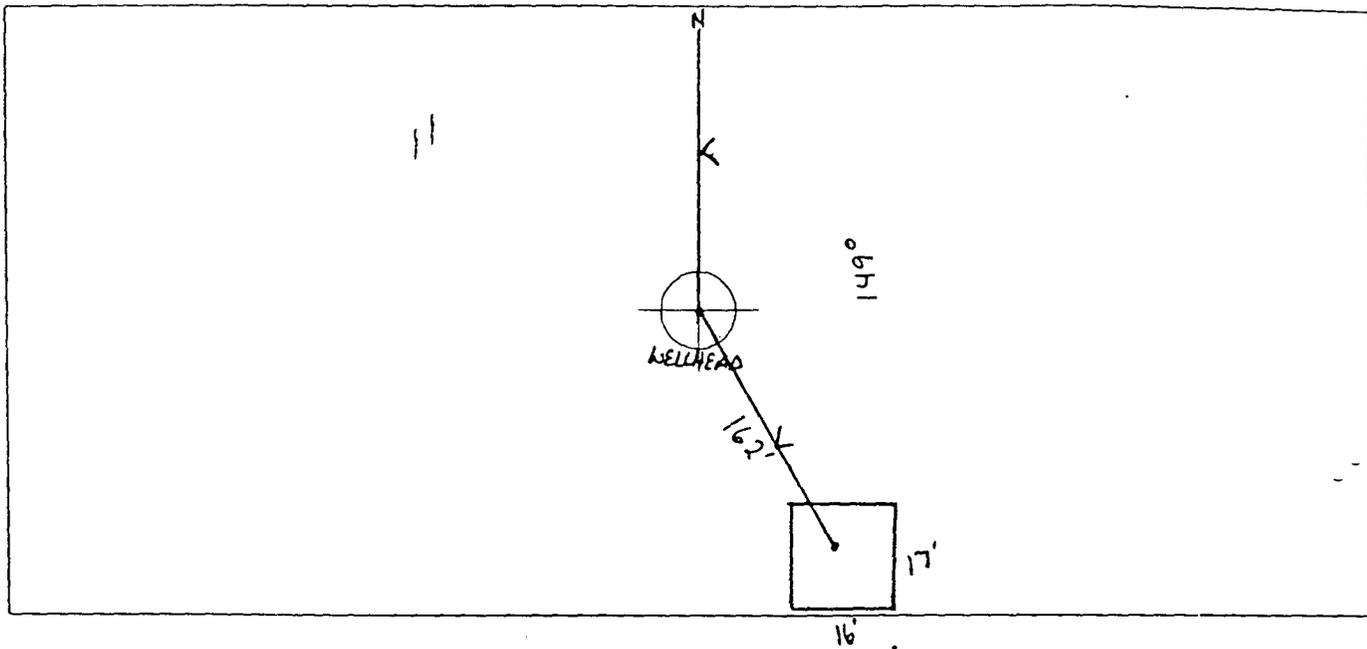
Remarks : TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. LOCATION IS RIGHT NEXT TO SAN JUAN RIVER.

95126

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 149° Footage to Wellhead 162'
 b) Degrees from North _____ Footage to Dogleg _____
 Dogleg Name _____
 c) Length : 17' Width : 16' Depth : 5'

ORIGINAL PIT LOCATION



Remarks :

STARTED TAKING PICTURES AT 9:55 A.M.

END DUMP

REMARKS

Completed By:

Paul Simpson
 Signature

4.12.94
 Date

Phase I Excavation

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 95136 Location: Trujillo Gas Com A#1

Coordinates: Letter: C Section 28 Township: 29 Range: 10

Or Latitude _____ Longitude _____

Date Started : 4-29-94 Area: 10 Run: 42

FIELD OBSERVATIONS

Sample Number(s): AP 8

Sample Depth: 7 Feet

Final PID Reading 354 ppm PID Reading Depth 7 Feet

Yes No

Groundwater Encountered (1) (2) Approximate Depth 7 Feet

CLOSURE

Remediation Method :

Excavation (1) Approx. Cubic Yards 30

Onsite Bioremediation (2)

Backfill Pit Without Excavation (3)

Soil Disposition:

Envirotech (1) (3) Tierra

Other Facility (2) Name: _____

Pit Closure Date: 4-29-94 Pit Closed By: BEI

REMARKS

Remarks : STARTED remediating pit, hit groundwater at 7ft Alton called OCD. Rick took pictures, soil sample & water samples
Took VC sample PID Reading is 354 ppm at 7'
Alton talked to Bill Olson at OCD

Signature of Specialist: James J. Penno



**FIELD SERVICES LABORATORY
ANALYTICAL REPORT**

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JP8	945045
MTR CODE SITE NAME:	95136	Trujillo Gas Com A #1
SAMPLE DATE TIME (Hrs):	04/29/94	1400
PROJECT:	Phase I	
DATE OF TPH EXT. ANAL.:	05/02/94	05/02/94
DATE OF BTEX EXT. ANAL.:	05/14/94	05/06/94
TYPE DESCRIPTION:	VC	Brown sand/clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	1.4	MG/KG				
TOLUENE	<0.25	MG/KG				
ETHYL BENZENE	7.9	MG/KG				
TOTAL XYLENES	72	MG/KG				
TOTAL BTEX	81.6	MG/KG				
TPH (418.1)	6270	MG/KG			0.76	28
HEADSPACE PID	354	PPM				
PERCENT SOLIDS	80.3	%				

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

The Surrogate Recovery was at 93 % for this sample All QA/QC was acceptable.

Name: _____
 ATI performed analysis.

DF = Dilution Factor Used

Approved By: John L. [Signature]

Date: 7/19/96

e El Paso Natural Gas Company

FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Water

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	945055
FIELD ID:	RC
MTR CODE:	95136
SAMPLE DATE:	04/29/94
SAMPLE TYPE:	G
SITE NAME:	Trujillo Gas Com A #1
PROJECT:	Phase III Excavation
DATE OF BTEX ANALYSIS:	05/11/94

FIELD COMMENTS: Ref soil #945045

EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT	QUALIFIER	WQCC LIMIT PPB
TDS - TOTAL DISSOLVED SOLIDS (PPM)	Not Required		None
BENZENE (PPB)	3200		10
TOLUENE (PPB)	2500		740
ETHYL BENZENE (PPB)	2500		750
TOTAL XYLENES (PPB)	28,000		620
SURROGATE % RECOVERY	81	Allowed Range 80 to 120 %	

Notes:
 ATI formed analysis. D/F = 250
 Sample contained headspace upon arrival at ATI.

Approved By: John Landa

7/19/96

PROJECT NUMBER		PROJECT NAME		CONTRACT LABORATORY P. O. NUMBER					
SAMPLERS: (Signature) <i>[Signature]</i>		Pit Closure Project # 24324							
DATE: 4/29/94		DATE: 4/29/94							
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBERS OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS	REMARKS	
	4-29	1345	WATER		2		TPH EPA 418.1 BTX EPA 8020	REF SOIL JPB TRVILLE GAS CO. A#1 95136	
	4-29	1350	Soil		1			REF SOIL JPB TRVILLE GAS CO. A#1 95136	

RELINQUISHED BY: (Signature) <i>[Signature]</i>		DATE/TIME 4/29/94 1410		RECEIVED BY: (Signature) <i>[Signature]</i>		DATE/TIME 4/29/94 1800		RECEIVED BY: (Signature) <i>[Signature]</i>	
RELINQUISHED BY: (Signature) <i>[Signature]</i>		DATE/TIME 5/2/94 1005		RECEIVED BY: (Signature) <i>[Signature]</i>		DATE/TIME		RECEIVED BY: (Signature) <i>[Signature]</i>	
REQUESTED TURNAROUND TIME:		ROUTINE <input type="checkbox"/> RUSH <input type="checkbox"/>		SAMPLE RECEIPT REMARKS		RESULTS & INVOICES TO:		FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499	
CARRIER CO.		CHARGE CODE		505-599-2144		505-599-2144		FAX 505-599-2261	
BILL NO.:								310	

STR. BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

CARRIER: DOUG FOUTZ CONSTRUCTION CO., INC.

TO: TIERRA ENVIRONMENTAL CORPORATION
909 WEST APACHE
Street FARMINGTON, NM 87401
Destination Zip

SCAC

FROM: Shipper
Street
Origin

EL PASO NATURAL GAS COMPANY
P.O. BOX 4990
Street FARMINGTON, NM 87499-4990
Zip

Shipper's No.

Carrier's No.

Date 4/29/94

Route: 10 hrs. Vehicle Number 731 U.S. DOT Hazmat Reg. No. N/A

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	PACKING GROUP	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		SANCHEZ GC / TIERRA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	10	YD	N/A
1		TRUJILLO GC / TIERRA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	10	YD	N/A
1		FEDERAL GC #31 / TIERRA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	10	YD	N/A
1		TIERRA / SANCHEZ GC	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	10	YD	N/A
1		TIERRA / TRUJILLO GC	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	10	YD	N/A
1		TIERRA / FEDERAL GC #31	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	10	YD	N/A
		BACKFILL	BACKFILL	N/A	N/A		YD	N/A
		BACKFILL	BACKFILL	N/A	N/A		YD	N/A
		BACKFILL	BACKFILL	N/A	N/A		YD	N/A

Remit C.O.D. to: Address: City: State: Zip: C.O.D. Amt: \$ C.O.D. FEE: Prepaid Collect FREIGHT CHARGES: Prepaid Collect

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

RECEIVED - subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its stated place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to be delivered to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the shipping certificate that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above named material is properly classified, packaged, marked and labeled and is in proper condition for shipment and is being transported in accordance with the Department of Transportation. PLACARDS SUPPLIED YES NO - FURNISHED BY CARRIER DRIVERS SIGNATURE: _____

SHIPPER: EL PASO NATURAL GAS COMPANY PER: SANDRA MILLER DATE: 4/29/94
EMERGENCY RESPONSE EL PASO NATURAL GAS (505) 599-2141
TELEPHONE NUMBER: (505) 326-2262 BURLINGTON ENVIRO. Including storage incidental to transportation (172.604).

STR BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper's No.

Carrier's No.

CARRIER: DOUG FOUTZ CONSTRUCTION CO. INC. SCAC _____ Date 4-29-94

TO: TIERRA ENVIRONMENTAL CORPORATION 24324
909 WEST APACHE
FARMINGTON, NM 87401
Street
Destination FARMINGTON, NM 87499-4990
Origin
Zip

FROM: EL PASO NATURAL GAS COMPANY
P.O. BOX 4990
FARMINGTON, NM 87499-4990
Street
Origin
Zip

Route: _____ Vehicle Number 933 U.S. DOT Hazmat Reg. No. _____
9 3/4 hrs. N/A

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	PACKING GROUP	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		<i>Gas can</i> SANCHEZ - B-1 / TIERRA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	<i>10</i>	YD	N/A
1		ANDERSON A-1 / TIERRA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	<i>10</i>	YD	N/A
1		<i>Gas can</i> TRINIDAD A-1 / TIERRA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	<i>10</i>	YD	N/A
1		ANDERSON A-1 / TIERRA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	<i>10</i>	YD	N/A
1		<i>Gas can</i> TIERRA / SANCHEZ - B-1	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	<i>10</i>	YD	N/A
1		<i>Gas can</i> TIERRA / SANCHEZ - B-1	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	<i>5</i>	YD	N/A
1		<i>Gas can</i> TIERRA / ANDERSON A-1	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	<i>5</i>	YD	N/A
1		<i>Gas can</i> TIERRA / ANDERSON A-1	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	<i>10</i>	YD	N/A

Remit C.O.D. to: _____ State: _____ Zip: _____

Address: _____

City: _____

C.O.D. Amt: \$ _____

C.O.D. FEE: Prepaid Collect

Freight Charges: PREPAID COLLECT

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

RECEIVED - subject to the classifications and lawfully filed units in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are property of _____, described, weighed, marked and addressed and are being transported in accordance with the regulations of the Department of Transportation.

PLACARDS REQUIRED PLACARDS SUPPLIED

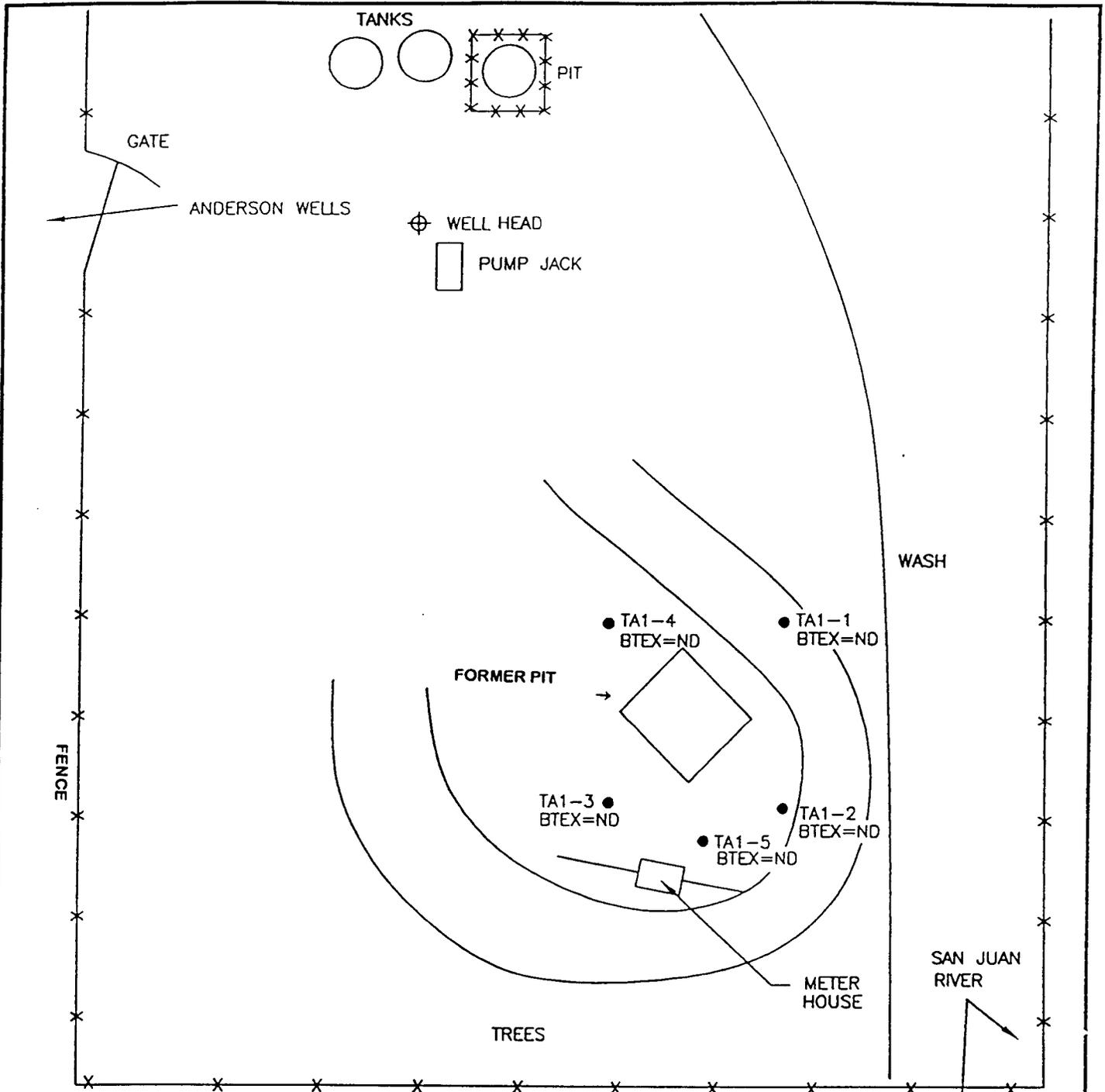
DRIVERS SIGNATURE: _____ YES NO - FURNISHED BY CARRIER

SHIPPER: EL PASO NATURAL GAS COMPANY
PER: SANDRA MILLER DATE: _____

CARRIER: X Doug Foutz Construction Co.
PER: *Andrew McArthur* DATE: 4-27-94

EMERGENCY RESPONSE EL PASO NATURAL GAS (505) 599-2141
TELEPHONE NUMBER: (505) 326-2262 BURLINGTON ENVIRO. including storage incidental to transportation (172.604).

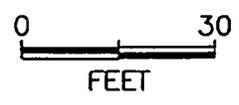
RECON®



LEGEND

- B BENZENE (ug/L)
- T TOLUENE (ug/L)
- E ETHYL BENZENE (ug/L)
- X XYLENE (ug/L)
- ug/L MICROGRAMS PER LITER
- TA1-1 APPROXIMATE PROBEHOLE LOCATION AND NUMBER

*NOTE: Results are of groundwater samples only



TITLE:
EPNG RECON Pits
Trujillo Gas Com A #1

SCALE	1=30	DATE	
DWN:	JEN	4/6/95	
DES:	JEN	4/6/95	
CHKD:	SP	4/6/95	
APPD:	SP	4/6/95	

PROJECT NO: 13947
 EPNG
 SAN JUAN COUNTY, NM

Figure 6
 REV: 0

OL 139471-00

NOTICE: THIS DRAWING, DESIGNS AND DETAILS ARE CONFIDENTIAL, AND THE EXCLUSIVE PROPERTY OF PHILIP ENVIRONMENTAL, INC., AND ARE NOT TO BE USED IN ANY WAY OTHER THAN THAT AUTHORIZED BY THE PROJECT CONTRACTOR OR PHILIP ENVIRONMENTAL, INC. FOR THE PROJECT AND FOR THE PURPOSES OF OBTAINING LOCAL PERMITS.



**BURLINGTON
ENVIRONMENTAL**

**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
GPI-1-6	PH-01	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	GW/Silt/Clay Slurry
GPI-2-2	PH-02	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
GPI-3-3	PH-03	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
GPI-4-2	PH-04	2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
TAI-1-3	PH-01	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
QCRT-05	N/A	N/A	N/A	N/A	N/A	N/A	N/A	QC -Retention Times
TAI-1-9	PH-01	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
TAI-2-3	PH-02	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
TAI-2-9	PH-02	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
TAI-3-3	PH-03	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
TAI-3-9	PH-03	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
TAI-4-3	PH-04	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
TAI-4-6	PH-04	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
TAI-5-3	PH-05	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
TAI-5-7.5	PH-05	7.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
TAI-5-7.5-D	PH-05	7.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Duplicate
Blank-16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	QC - System Blank
QCRT-06	N/A	N/A	N/A	N/A	N/A	N/A	N/A	QC -Retention Times
Blank-17	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
STD-0308	N/A	N/A	229	253	226	241	231	Calibration Standard
Blank-18	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-19	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - Probe Rod Blank
SBI-1-3	PH-01	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
SBI-1-6	PH-01	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
SBI-1-9	PH-01	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater
SBI-2-3	PH-02	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
SBI-2-6	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
SBI-2-9	PH-02	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Groundwater

D = duplicate analysis
QC = quality control

ug/L = micrograms of compound detected per liter of headspace vapor analyzed
ND = not detected at the lower quantifiable limit indicated in parenthesis

NA = not applicable
* = possible interference

QA Review: *Gary W. Wood*

Review Date: March 31, 1995