

3R - 169

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

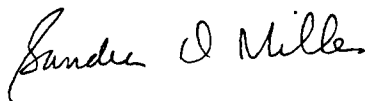
RE: Production Pit Closure Submittal

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

OK

Closure Checklist

Meter Code

94925

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

yes

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

No

groundwater analytical

soil-gas analytical

☐
☐

If item boxes are not checked they are not applicable



Environmental Services Group
Southern Region

Federal R #2
Meter Code 94925

Pit was excavated to 12 feet beneath ground surface. Headspace soil readings from excavation bottom were 502 parts per million. Soil analytical were as follows; benzene - <3 mg/kg, total BTEX - 310 mg/kg, TPH - 4,310 mg/kg.

One soil boring was completed and a monitoring well installed. Groundwater was encountered at 30.4 feet. Initial groundwater analytical were as follows; benzene - 3.2 ug/L, toluene - 3.4 ug/L, ethylbenzene - 1.4 ug/L, xylenes - 19.8 ug/l. Second groundwater analytical were as follows; benzene - 3 ug/L, toluene - < 1 ug/L, ethylbenzene - 4.5 ug/L, xylene - 38.6 ug/l.



FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 94925 Location: FEDERAL R #2
 Operator #: _____ Operator Name: BLANCO PETER P/L District: BLANCO
 Coordinates: Letter: P Section 15 Township: 27 Range: 8
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 1-10-95 Area: 13 Run: 31

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 CANON LARGO
 (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

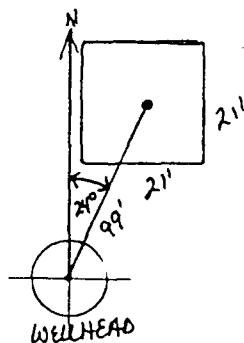
REMARKS

Remarks : REDLINE & TOPO SHOW LOCATION INSIDE V.Z. ONLY PIT ON LOCATION.
BELONGS TO SPNG. WILL CLOSE PIT.

94925

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 24° Footage from Wellhead 99'
b) Length : 21' Width : 21' Depth : 2'



Remarks :

PHOTOS - 1314

Completed By:

Pat Champion

Signature

1.10.95

~~1.10.95~~ RT 1.10.95

Date

Phase I Excavation

FIF PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 94925 Location: Federal R#2

Coordinates: Letter: P Section 15 Township: 27 Range: 8

Or Latitude _____ Longitude _____

Date Started : 1-23-95 Run: 13 31

FIELD OBSERVATIONS

Sample Number(s): MK331

Sample Depth: 12' Feet

Final PID Reading 502 PID Reading Depth 12' Feet

Yes No

Groundwater Encountered ☐ ☒ Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation ☒ Approx. Cubic Yards 50

Onsite Bioremediation ☐

Backfill Pit Without Excavation ☐

Soil Disposition:

Envirotech ☐ ☒ Tierra

Other Facility ☐ Name: _____

Pit Closure Date: 1-23-95 Pit Closed By: B.E.I

REMARKS

Remarks : Arrived Took Fence down soil black strong Hydrocarbon
odor Turned Gray 195+ 3'

Signature of Specialist: Morgan Killian



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	MK331	946590
MTR CODE SITE NAME:	94925	Federal R #2
SAMPLE DATE TIME (Hrs):	01/23/95	1430
PROJECT:	Phase I	
DATE OF TPH EXT. ANAL.:	01/28/95	01/28/95
DATE OF BTEX EXT. ANAL.:	01/28/95	01/28/95
TYPE DESCRIPTION:	VC	Dark brown fine sand

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 2.70	MG/KG	0.5398		2.47	20
TOLUENE	88.6	MG/KG	0.5398		2.47	20
ETHYL BENZENE	18.6	MG/KG	0.5398		2.47	20
TOTAL XYLENES	202	MG/KG	0.5398		2.47	20
TOTAL BTEX	310	MG/KG				
TPH (418.1)	4310	MG/KG			1.96	28
HEADSPACE PID	502	PPM				
PERCENT SOLIDS	92.9	%				

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

The Surrogate Recovery was at 84.9 % for this sample All QA/QC was acceptable.
Recovery:

DF = Dilution Factor Used

Approved By: *John F. [Signature]*

Date: 7/19/96



Page _____ of _____

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

9-BLS-B3 (REV. 9/92)

SHIPPER:	EL PASO NATURAL GAS COMPANY	CARRIER:	DRIVE-THRU COVER	DATE:	25 JAN 98
PER:	SANDRA MILLER	PER:	DRIVE-THRU COVER		
EMERGENCY RESPONSE	EL PASO NATURAL GAS 505/599-2141				
TELEPHONE NUMBER:	(505) 326-2262 BURLINGTON ENVIRO.				
Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).					

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

CARRIER: DOUG FOUTZ CONSTRUCTION INC.

TO: TIERRA ENVIRONMENTAL CORP.
909 W. APACHE
STREET
FARMINGTON, NM 87401

Destination Zip

Route:

Shipper's No.

Carrier's No.

Date

FROM: EL PASO NATURAL GAS COMPANY
24324
SHIPPER
P.O. BOX 4990
FARMINGTON, NM 87499-4990

Origin Zip

Vehicle Number

U.S. DOT Hazmat Reg. No.

10 1/4 hrs 132 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)
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		BACKFILL		70053	N/A	10	YD	N/A
		BACKFILL		90709	N/A	10	YD	N/A
		BACKFILL			N/A		YD	N/A
		BACKFILL			N/A		YD	N/A
		BACKFILL			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 destined 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 his assigns.

PLACARDS REQUIRED PLACARDS SUPPLIED YES ☐ NO ☒ NO. FURNISHED BY CARRIER DRIVERS SIGNATURE:

SHIPPER: EL PASO NATURAL GAS COMPANY CARRIER: DATE: 1-23-74
PER: SANDRA MILLER
EMERGENCY RESPONSE EL PASO NATURAL GAS 505/599-2141
TELEPHONE NUMBER: (505) 326-2262 BURLINGTON ENVIRO.

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

CARRIER: DOUG FOUTZ CONSTRUCTION

TO: TIERRA ENVIRONMENTAL CORP.
909 W. APACHE
FARMINGTON, NM 87401

Zip

Route:

SCAC

FROM: EL PASO NATURAL GAS COMPANY
24324
P.O. BOX 4990
FARMINGTON, NM 87499-4990

Zip

U.S. DOT Hazmat Reg. No.

Vehicle Number

12hes

No. Shipping Units

HM (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)

HAZARD CLASS

I.D. Number

PACKING GROUP

WEIGHT (subject to correction)

RATE

LABELS REQUIRED (or exemption)

1	Lat 38-39 line acip/Tierra	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	12	YD	N/A
1	Federal R#2	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	12	YD	N/A
1	Federal R#2	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	+	YD	N/A
1	Gale 1R / Tierra	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	94763	N/A	10	YD	N/A
1	Tierra / LAT A-30 line	BACKFILL	N/A	N/A	11	YD	N/A
1	Tierra / Lat 38-39 line	BACKFILL	N/A	N/A	12	YD	N/A
1	Tierra / Federal R#2	BACKFILL	94763	N/A	10	YD	N/A
1	Tierra / Gale 1-R	BACKFILL	94763	N/A	10	YD	N/A
1		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 liability 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 usual place of delivery at said destination, it 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.

PLACARDS REQUIRED

N/A

PLACARDS SUPPLIED

YES ☒ NO ☐ FURNISHED BY CARRIER

DRIVERS SIGNATURE:

SHIPPER: EL PASO NATURAL GAS COMPANY

PER: SANDRA MILLER DATE:

CARRIER: *El Paso*

PER: *El Paso*

DATE: 1-23-95

EMERGENCY RESPONSE EL PASO NATURAL GAS 505/599-2141

TELEPHONE NUMBER: (505) 326-2262 BURLINGTON ENVIRO.

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

1062

Carrier's No.

Date 1-23-75

TO: TIERRA ENVIRONMENTAL CORP.
Consignee
909 W. APACHE
Street FARMINGTON, NM 87401

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

Destination Zip

U.S. DOT Hazmat Reg. No.

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)
		12 1/4 hrs 731 32-59 Federal R #2	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	10	YD	N/A
1		Federal R #2	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	94925 W/A	N/A	10	YD	N/A
1		Gale 1 R / Tierra	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	94763 W/A	N/A	10	YD	N/A
1		Gale 1 R / Tierra	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	94763 W/A	N/A	10	YD	N/A
1		Tierra	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A		YD	N/A
1		Tierra	BACKFILL	N/A	N/A	10	YD	N/A
1		Tierra	BACKFILL	N/A	N/A	10	YD	N/A
1		Tierra	BACKFILL	94925 W/A	N/A	10	YD	N/A
1		Tierra	BACKFILL	94763 W/A	N/A	10	YD	N/A

Remit C.O.D. to:

Address:

State:

Zip:

C.O.D. Amt:

Prenaid ☒ XX

	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 _____ (Signature of Consignor)

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, and destined as indicated above which said carrier (the word carrier being understood through 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 properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

X *James H. [Signature]*
Dw.

PLACARDS REQUIRED **N/A**

PLACARDS SUPPLIED **XX** **NO. - FURNISHED BY CARRIER**

☐ **YES** ☐ **DRIVERS SIGNATURE:**

SHIPPER: EL PASO NATURAL GAS COMPANY

PER: SANDRA MILLER	DATE:	PER: <i>Kenny K...</i>	DATE: <i>-23-95-</i>
--------------------	-------	------------------------	----------------------

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

9-BLS-B3 (REV. 9/92)

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

CARRIER: DOUG FOUTZ CONSTRUCTION

SCAC

Carrier's No.

Date 1-23-95

TO: TIERRA ENVIRONMENTAL CORP.
909 W. APACHE
STREET
FARMINGTON, NM 87401
Zip

FROM: EL PASO NATURAL GAS COMPANY
24324
P.O. BOX 4990
FARMINGTON, NM 87499-4990
Zip

Route: 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)
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		BACKFILL		94763	N/A	10	YD	N/A
		BACKFILL			N/A		YD	N/A
		BACKFILL			N/A		YD	N/A
		BACKFILL			N/A		YD	N/A
		BACKFILL			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 liability 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 destined 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 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 property classified, marked, packaged, labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. PLACARDS REQUIRED N/A PLACARDS SUPPLIED YES NO - FURNISHED BY CARRIER DRIVER'S SIGNATURE: CARRIER: Doug Foutz Const PER: Harry Randolph DATE: 1-23-95

SHIPPER: EL PASO NATURAL GAS COMPANY DATE: SANDRA MILLER EMERGENCY RESPONSE: EL PASO NATURAL GAS 505/599-2141 TELEPHONE NUMBER: (505) 326-2262 BURLINGTON ENVIRO. Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

STRATA BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

CARRIER: DOUG FOUTZ CONSTRUCTION

TO: TIERRA ENVIRONMENTAL CORP.
909 W. APACHE
STREET FARMINGTON, NM 87401
Destination Zip

SCAC

FROM: EL PASO NATURAL GAS COMPANY
24324
P.O. BOX 4990
STREET FARMINGTON, NM 87499-4990
Origin Zip

Shipper's No.

Carrier's No.

Date 1-23-95

Route: 10 1/4 hrs. Vehicle Number 831 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		4 in. 38-39 DAP / Tierra	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	10	YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
1		Tierra / Lot A-30 Line Drip	BACKFILL	N/A	N/A	10	YD	N/A
1		Tierra / Federal # R-2	BACKFILL	90709	N/A	10	YD	N/A
			BACKFILL		N/A		YD	N/A
			BACKFILL		N/A		YD	N/A
			BACKFILL		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 destined 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, property, contents, described, packaged, marked and labeled and are in proper condition for transportation to the destination specified in this Department of Transportation

SHIPPER: EL PASO NATURAL GAS COMPANY
PER: SANDRA MILLER DATE: CARRIER: Doug Foutz Const. PER: Carlos Geyman DATE: 1-23-95
EMERGENCY RESPONSE EL PASO NATURAL GAS 505/599-2141
TELEPHONE NUMBER: (505) 326-2262 BURLINGTON ENVIRO. Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

Carrier's No. 1-23-95
Date

CARRIER: DOUG FOUTZ CONSTRUCTION INC.

SCAC

TO: TIERRA ENVIRONMENTAL CORP.
909 W. APACHE
FARMINGTON, NM 87401

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

Destination: _____ Zip: _____

Zip

Route: _____ Vehicle Number 10/4 ARS U.S. DOT Hazmat Reg. No. 835

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		Federal Rd 2 / Tierra	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	94925	N/A	10	YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			BACKFILL	N/A		10	YD	N/A
			BACKFILL	N/A		10	YD	N/A
			BACKFILL	N/A		10	YD	N/A
			BACKFILL	N/A		10	YD	N/A
			BACKFILL	N/A			YD	N/A

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

C.O.D. Amt: \$

C.O.D. FEE: \$

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 liability filed in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted in the contents of the bill, is hereby received by the carrier in accordance with the contract of carriage. The carrier agrees to carry it to its usual place of destination, or to another place of destination, if so directed by the shipper, and to deliver it to the consignee at the place of destination. It is mutually agreed as to each carrier of all or any of the 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.

The shipper certifies that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

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

EMERGENCY RESPONSE EL PASO NATURAL GAS 505/599-2141
TELEPHONE NUMBER: (505) 326-2262 BURLINGTON ENVIRO.

CARRIER: Doug Foutz Const
PER: Pete Anay
DATE: 1-23-95
Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No.

CARRIER: DOUG FOUTZ CONSTRUCTION

SCAC

Carrier's No.

Date 1-23-95

TO: TIERRA ENVIRONMENTAL CORP.
909 W. APACHE
FARMINGTON, NM 87401

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

24324

Zip

Zip

Route: 11 1/2 hrs Vehicle Number 9334 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		LAT 3-B 39 3/4 in. dia. 11.5" DIA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	10	YD	N/A
1		FED EHS 11.5" DIA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	70107	N/A	10	YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
1		TIERRA Lat A-30 1/2 in. dia.	BACKFILL	1011	N/A	10	YD	N/A
1		TIERRA LAT 30 3/4 in. dia.	BACKFILL	1011	N/A	10	YD	N/A
1		TIERRA LAT 30 3/4 in. dia. DRIP	BACKFILL	1011	N/A	10	YD	N/A
1		TIERRA Federal R#2	BACKFILL	94925	N/A	10	YD	N/A
			BACKFILL		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 destined 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 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 properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS REQUIRED

N/A

PLACARDS SUPPLIED

☐ YES ☒ NO - FURNISHED BY CARRIER DRIVERS SIGNATURE

SHIPPER: EL PASO NATURAL GAS COMPANY

PER: SANDRA MILLER DATE: 1-23-95

EMERGENCY RESPONSE EL PASO NATURAL GAS 505/599-2141

TELEPHONE NUMBER: (505) 326-2262 BURLINGTON ENVIRO.

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

9-BLS-B3 (REV. 9/92)

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

CARRIER: DOUG FOUTZ CONSTRUCTION
 TO: TIERRA ENVIRONMENTAL CORP.
 Consignee 909 W. APACHE
 Street FARMINGTON, NM 87401
 Destination Zip
 Route: 11 1/4 hrs Vehicle Number 935 U.S. DOT Hazmat Reg. No. N/A

Shipper's No.

Carrier's No.

SCAC

FROM: EL PASO NATURAL GAS COMPANY 24324
 Shipper P.O. BOX 4990
 Street FARMINGTON, NM 87499-4990
 Origin Zip

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	ID Number	PACKING GROUP	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (exemption)
1		LAT 3-B #39 LUE / TIERRA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	N/A	N/A	10	YD	N/A
1		FED. E-5 / TIERRA	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	90704	N/A	10	YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
		TIERRA / LATA-30 LUE Drip	BACKFILL	N/A	N/A	10	YD	N/A
1		TIERRA / LAT 3B39 LUE Drip	BACKFILL	N/A	N/A	10	YD	N/A
1		TIERRA / LAT 3B #39 LUE Drip	BACKFILL	N/A	N/A	10	YD	N/A
1		TIERRA / FEDERAL R-2	BACKFILL	90705	N/A	10	YD	N/A
			BACKFILL		N/A		YD	N/A

Remit C.O.D. to: 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 \$
 RECEIVED - subject to the classifications and liability listed 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 or packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being defined as the 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 said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

PLACARDS REQUIRED: N/A PLACARDS SUPPLIED: YES ☐ NO ☒ NO - FURNISHED BY CARRIER
 SHIPPER: EL PASO NATURAL GAS COMPANY
 PER: SANDRA MILLER DATE: 23 JAN 95
 EMERGENCY RESPONSE EL PASO NATURAL GAS 505/599-2141
 TELEPHONE NUMBER: (505) 326-2262 BURLINGTON ENVIRO.
 CARRIER: EL PASO NATURAL GAS COMPANY
 PER: SANDRA MILLER DATE: 23 JAN 95
 Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

CARRIER: DOUG FOUTZ CONSTRUCTION

TO: TIERRA ENVIRONMENTAL CORP.
 Consignee 909 W. APACHE
 Street FARMINGTON, NM 87401
 Destination Zip

SCAC

FROM: EL PASO NATURAL GAS COMPANY 24324
 Shipper P.O. BOX 4990
 Street FARMINGTON, NM 87499-4990
 Origin Zip

Shipper's No.

Carrier's No.

Date

Route: 10 1/2 hrs. Vehicle Number 4184 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)
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
		EXEMPT HYDRO-CARBON CONTAMINATED SOIL			N/A		YD	N/A
1		Tierra / Howell L No. 3	BACKFILL	70053	N/A	10	YD	N/A
1		Tierra / Federal E#5	BACKFILL	90709	N/A	10	YD	N/A
			BACKFILL		N/A		YD	N/A
			BACKFILL		N/A		YD	N/A
			BACKFILL		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 destined 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: EL PASO NATURAL GAS COMPANY CARRIER: SANDRA MILLER DATE: 1-23-95 PER: 1-23-95

EMERGENCY RESPONSE EL PASO NATURAL GAS 505/599-2141 Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

CARRIER: DOUG FOUTZ CONSTRUCTION

Shipper's No. _____

Carrier's No. _____

Date: 1/23/95

SCAC _____

FROM: EL PASO NATURAL GAS COMPANY 24324
Shipper P.O. BOX 4990
Street FARMINGTON, NM 87499-4990
Origin Zip

TO: TIERRA ENVIRONMENTAL CORP.
Consignee 909 W. APACHE
Street FARMINGTON, NM 87401
Destination Zip

Route: _____

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		Federal R#2	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	94925	N/A	10	YD	N/A
1		Gale IR / Tierra	EXEMPT HYDRO-CARBON CONTAMINATED SOIL	94763	N/A	10	YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
			EXEMPT HYDRO-CARBON CONTAMINATED SOIL		N/A		YD	N/A
1		Tierra / LAT A-30 line drip	BACKFILL	NA	N/A	10	YD	N/A
1		Tierra / LAT A-30 line drip	BACKFILL	NA	N/A	10	YD	N/A
1		Tierra / Gale IR	BACKFILL	94763	N/A	10	YD	N/A
			BACKFILL		N/A		YD	N/A
			BACKFILL		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 tied tariffs in effect on the date of issue of this Bill of Lading, this property described above in apparent good order, except its kind, contents and condition of contents, of packages unknown, marked, consigned, and destined 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, it 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.

PLACARDS REQUIRED: N/A

PLACARDS SUPPLIED: YES ☒ NO ☐

DRIVERS SIGNATURE: _____

SHIPPER: EL PASO NATURAL GAS COMPANY

PER: SANDRA MILLER DATE: _____

CARRIER: Doug Foutz Const

PER: TRAVIS Hamblin DATE: 1/23/95

EMERGENCY RESPONSE EL PASO NATURAL GAS 505/599-2141

TELEPHONE NUMBER: (505) 326-2262 BURLINGTON ENVIRO.

Phase II Soil Boring

RECORD OF SUBSURFACE EXPLORATION

LIP ENVIRONMENTAL
 Monroe Road
 Farmington, New Mexico 87401
 (505) 326-2262 FAX (505) 326-2388

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

Project Name EPNG PITS
 Project Number 14509 Phase 6000 77
 Project Location Federal R #2 94925

Elevation _____
 Borehole Location QP-SIS-T27-R8
 GWL Depth _____
 Logged By CM CHANCE
 Drilled By K Padilla
 Date/Time Started 8/28/95 1015
 Date/Time Completed 8/28/95 1424

Well Logged By CM Chance
 Personnel On-Site K Padilla, F. Rivera, D. Chawlin
 Contractors On-Site _____
 Client Personnel On-Site _____

Drilling Method 4 1/4" ID HSA / 8 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 Units: PPM BZ BH HS			Drilling Conditions & Blow Counts
0				Backfill to 12'						
15	1	15-17	16"	Gray silty SAND, VF sand, v. loose, sl moist		4	28	20 980		1026 h-
20	2	20-22	8"	BLK silty SAND, VF sand, v. loose, sl moist		15	72	115 1100		1032
25	3	25-27	10"	AA		3	30	120 1900		1038
30	4	30-32	5'	Br. silty SAND, v. loose, saturated,		3	90	NA		GW @ 30-4' BGS 1047 - Pull 4 1/4" augers & drill to 40' w/ 8 1/4" auger
35				Cl + Gs - Br silty SAND, saturated						
40				AA						- Will set well @ 40'
				TDB 40'						

Comments:

No lab sample due to v. high PID readings on split spoons above GW. Will set well @ 40' BGS. (1' slough. Well set @ 39' BGS)

Geologist Signature () ()

MONITORING WELL INSTALLATION RECORD

Mulip Environmental Services Corp.

000 Morvae Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2368

Borehole # BH-1

Well # MW-1

Page 1 of 1

Project Name EPNG PITS

Project Number 14509 Phase 6001.77

Project Location Federal R#2 94925

On-Site Geologist CM Chance

Personnel On-Site F. Rivera, D. Charlie

Contractors On-Site

Client Personnel On-Site

Elevation

Well Location QP-SIS-T27-R8

GWL Depth 30' DGS

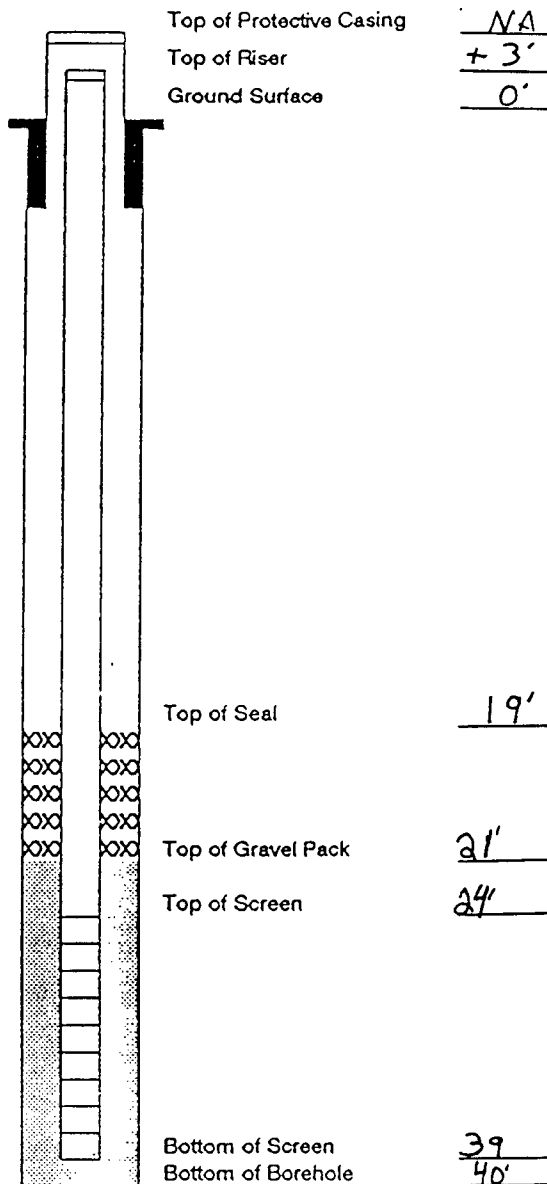
Installed By K. Padilla

Date/Time Started 8/28/95-1435

Date/Time Completed 8/28/95-1630

Depths in Reference to Ground Surface

Item	Material	Depth
Top of Protective Casing		NA
Bottom of Protective Casing		NA
Top of Permanent Borehole Casing		NA
Bottom of Permanent Borehole Casing		NA
Top of Concrete		NA
Bottom of Concrete		NA
Top of Grout	5-94# Type I-II	0'
Bottom of Grout	25-50# Portland Cementitious	19'
Top of Well Riser	27' 4" dia SCH40	+3'
Bottom of Well Riser	Flush Thread PVC	24'
Top of Well Screen	15' 4" dia SCH40 Flush Thread	24'
Bottom of Well Screen	0.01 slot PVC	39'
Top of Peltonite Seal	2.5-50# Enviro plug	19'
Bottom of Peltonite Seal	Bentonite	21'
Top of Gravel Pack	22-50# 10-20	21'
Bottom of Gravel Pack	Silica Sand	39'
Top of Natural Cave-In		39'
Bottom of Natural Cave-In		40'
Top of Groundwater		30'
Total Depth of Borehole		40'



Comments: Bentonite hydrated w/10 gal potable water. Locking well cap & padlock placed on well.
Groundwater has no odor or visible contamination.

Geologist Signature

CM Chance



Water Sampling Data

Location No. MW¹Serial No. WSD-Group List Number Sample Type: ☒ Groundwater ☐ Surface Water ☐ Other Date 09-12-95Project Name EPNS PITSProject No. 14509Project Manager Cory ChancePhase/Task No. 6003 77Site Name FEDERAL RD 2 (94825)

Sampling Specifications

Requested Sampling

Depth Interval (feet) Top 3'

Requested Wait Following

Development/Purging (hours) None

Initial Measurements

Time Elapsed From Final Development/Purging ^{min} (hours) 10Initial Water Depth (feet) 9.3' 33.5Nonaqueous Liquids Present (Describe) None

Water Quality/Water Collection

DO = Dissolved Oxygen; Cond. = Conductivity

Date	Time	Sampler Initials	Water Quality Readings				Water Collection Data					Notes (Explain in Comments Below)
			Temp. (°C)	pH	DO (mg/L)	Cond. (µmhos/ cm)	Volume Removed (gallons)	Removal Rate (gal/min)	Pump Intake Depth (feet)	Bail	Final Water Depth (feet)	
09-12-95												See well development and purging data sheet

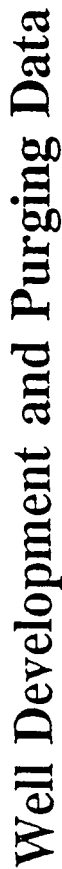
Container Type: G = Clear Glass; A = Amber Glass; P = Plastic; V = VOA Vial (Glass); O = Other (Specify)

Sample Containers

Preservatives: H = HCl; N = HNO₃; S = H₂SO₄; A = NaOH; O = Other (Specify); - = None

Analytical Parameter List	Container			Field Filtered		Preserved	Cooled During Collection		Comments
	Number	Type	Volume (mL)	Yes	No		Yes	No	
BTEX	2	A	40		X	H	X		JAL 18 T 1445
TDS	1	P	250		X	NA	X		

Filter Type Chain-of-Custody Form Number Comments Signature [Signature] Date 09-12-95 Reviewer Date



Form A0101 Rev. 03/21/94



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Water

SAMPLE IDENTIFICATION

SAMPLE NUMBER:

947448

FIELD ID:

JAL18

MTR CODE:

94925

SAMPLE DATE:

9/12/95

SAMPLE TYPE:

Monitor Well

SITE NAME:

Federal R #2

PROJECT:

Phase II MW

OF BTEX ANALYSIS:

14-Sep-95

FIELD COMMENTS:

EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT	QUALIFIER	WQCC LIMIT PPB
TDS - TOTAL DISSOLVED SOLIDS (PPM)	2208		None
BENZENE (PPB)	3.2		10
TOLUENE (PPB)	3.4		740
ETHYL BENZENE (PPB)	1.4		750
TOTAL XYLENES (PPB)	19.8		620
SURROGATE % RECOVERY	86	Allowed Range 80 to 120 %	

Approved By:

John Lueder

9-15-95
Date



CHAIN OF CUSTODY RECORD

[illegible]

MEMORANDUM

To: John Lambdin
From: Dennis Bird
Date: March 4, 1996
Place: Laboratory Services
Subject: Blanco Pipeline Pit Monitor Wells

On Thursday, February 22, 1996, Richard Benson and myself went to Blanco Pipeline and sampled the following pit monitor wells. The following analytical parameters are to be performed on these groundwater samples: BTXE, General Chemistry, Nitrate as NO₃-N, Metals As, Ba, Cd, Cr, Hg, Se, Ag, Pb, and Dissolved Oxygen. The samples were assigned the laboratory numbers 960190 and 960191. The samples for metals were filtered with a 0.45 micron filter in the field at the time of sampling. The dissolved oxygen results were taken at the time of sampling with a ChemMets Kit. The Field Service Laboratory will be performing all of the analysis.

The following information was collected on each well.

Monitor Well#	Pipe ID	Static Level	Total Depth	Gallons Bailed	Dissolved Oxygen	Notes
Hammond Fed. #5	4"	45.07'	53.55'	12.8	1.5 ppm	
960191 Federal R #2	4"	33.15'	42.80'	20.0	1.0 ppm	94925

All bailing and sampling was done with disposable, one time use equipment and bottles. All samples were preserved on ice immediately after collection. The static level and total depth was measured from the top of the pipe.

Should you have any question or comments, please let me know.

DB
Dennis P. Bird
Chief Technician

cc: Nancy Prince
Ann Allen
Sandra Miller

EPFS

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY ANALYTICAL REPORT

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	960191
SITE NAME:	Blanco Pipeline
SAMPLE SITE:	Federal R #2 MW-1
SAMPLE DATE:	02/22/96
SAMPLE TIME (Hrs):	1203
SAMPLED BY:	D. Bird
DATE OF BTEX ANALYSIS:	02/23/96
SAMPLE TYPE:	Water

Int. Code: 94925

3/14/96

REMARKS:

EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT PPB	QUALIFIER	WQCC LIMIT PPB
BENZENE	3.0		10
TOLUENE	<1.0		740
ETHYL BENZENE	4.5		750
TOTAL XYLENES	38.6		620
SURROGATE % RECOVERY	98.6	Allowed Range 80 to 120 %	

NOTES:

EL PASO FIELD SERVICES

Field Services Laboratory Water Analysis Report

LOCATION: Blanco Pipeline PROJECT: M.W.
DATE OF REPORT: 2/28/96 SAVE FILE: 960191
SAMPLED BY: Dennis Bird & Richard Benson

****All Results By Standard Methods (AWWA) Or EPA Method 300****

[illegible]

****All Results Expressed as ppm or umhos****

REMARKS:

Fluoride results were with the HACH DR/2000 using the spadns fluoride reagents.

* It is not unusual for shallow groundwater in New Mexico to naturally exceed these limits.

pprovals:

Lab Super.:

Date:

3/14/94



EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY ANALYTICAL REPORT

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	960191
LOCATION:	Blanco Pipeline
SAMPLE DATE:	02/22/96
SAMPLE TIME (Hrs):	1223
SAMPLED BY:	D. Bird
SAMPLE POINT:	Federal R #2

REMARKS:

RESULTS

PARAMETER	DISSOLVED RESULT (mg/L)	TOTAL RESULT (mg/L)	N. M. WQCC LIMIT (mg/L)
ARSENIC	<0.001	0.002	0.10
BARIUM	0.03	0.19	1.00
CADMIUM	<0.0005	<0.0005	0.01
CHROMIUM	0.006	0.009	0.05
LEAD	0.006	0.011	0.05
MERCURY	0.0001	<0.0001	0.002
SELENIUM	<0.005	<0.005	0.05
SILVER	0.0005	0.0009	0.05

NOTE: The sample results have been corrected for volume adjustment associated with Method 3015.

References:

- Method 3015, Microwave Assisted Acid Digestion of Aqueous Samples and Extracts, Test Methods for Evaluating Solid Waste, SW-846, Sept., 1994.
- Method 7061A, Arsenic (Atomic Absorption, Gaseous Hydride), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.
- Method 7081, Barium (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.
- Method 7131, Cadmium (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept, 1986.
- Method 7191, Chromium (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept, 1986.
- Method 7421, Lead (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept, 1986.
- Method 245.5, Mercury (Automated Cold Vapor Technique), Methods for the Determination of Metals in Environmental Samples, EPA600/4-91/010, USEPA, June, 1991.
- Method 7741A, Selenium (Atomic Absorption, Gaseous Hydride), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept, 1994.
- Method 7761, Silver (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.

Approved By:

W. J. [Signature] 3/1/96



Natural Gas Company

CHAIN OF CUSTODY RECORD

Project No.		Project Name		Requested Analysis		Contract Laboratory		
Samplers: (Signature)		Date	Receiving Temp (°F)	See Attached	Composite or Grab	Intact?	Chain of Custody Seals	Total No. of Containers
Lab ID	Date	Time	Matrix	Sample Number				
3/24/98	1054	WATER		950190				5
3/24/98	1223	WATER		950191				5
3/24/98	---	WATER		---				1
Relinquished by: (Signature) Date/Time Received by: (Signature) Date/Time Relinquished by: (Signature) Date/Time Received by: (Signature) Date/Time Relinquished by: (Signature) Date/Time Received for Laboratory by: (Signature) Date/Time								
Results & Invoices to:								