# 3R - 144

# 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 2 0 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

Sandre O Mille.

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** 



Olvabore state

## **Closure Checklist**

Meter Code	LD241	
Summary Site Map Site Assessment Sheet		
Phase I Excavation closure form soil analytical results soil chain-of-custody groundwater analytical results groundwater chain-of-custody bills of lading	Yes	
Phase II Soil Boring boring log soil analytical results soil chain-of-custody well installation form development form groundwater analytical groundwater chain-of-custody	Yes	
Phase III Excavation closure form soil analytical results soil chain-of-custody groundwater analytical groundwater chain of-custody bills of lading	<u>No</u>	
Recon performed groundwater analytical soil-gas analytical	NU	

If item boxes are not checked they are not applicable



#### 2C-45 Line Drip Meter Code - LD241

Pit was excavated to 12 feet beneath ground surface. Headspace soil readings from excavation bottom were 418 parts per million. Soil analytical were as follows; TPH - 750 mg/kg.

One soil boring was completed and a monitoring well installed. Soil boring analytical results were as follows; benzene - <.5 mg/kg, total BTEX - 3 mg/kg, TPH - < 10 mg/kg. Groundwater was encountered at 42.2 feet. Initial groundwater analytical were as follows; benzene - 71.3 ug/L, toluene - 329 ug/L, ethylbenzene - 34.2 ug/L, xylenes - 336 ug/l. Second groundwater analytical were as follows; benzene - 5.82 ug/L, toluene - 31.2 ug/L, ethylbenzene - 5.35 ug/L, xylenes - 36.3 ug/l.

# FIELD PIT SITE ASSESSMENT FORM

GENERAL	PIZASO6  Meter: _N/A Location: _ZC-45 Line Drip  Operator #: _N/A Operator Name: EPNG P/L District: _Ofito  Coordinates: Letter: P Section /3 Township: _2 SRange: OG  Or Latitude Longitude  Pit Type: Dehydrator Location Drip: Line Drip: X Other:  Site Assessment Date: 9-/2-25 Area: OG Run: G2						
•	NMOCD Zone:       Land Type:       BLM       ☒ (1)         (From NMOCD       State       ☐ (2)         Maps)       Inside       ☒ (1)       Fee       ☐ (3)         Outside       ☒ (2)       Indian       ☐         Depth to Groundwater       ☒ (1)       ☐ (2)         '_ess Than 50 Feet (20 points)       ☒ (1)         50 Ft to 99 Ft (10 points)       ☐ (2)         Greater Than 100 Ft (0 points)       ☐ (3)						
ASSESSMENT	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)						
• SITE ASS	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 Ephement Prair to Gonzales 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'  OTAL HAZARD RANKING SCORE: POINTS						
ARK	Remarks: Both Topo & Redhine show inside 1/2. Line drip belongs to Fing. Will close Line Oris.						

#### ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North So Footage from Wellhead 321

Bearing to well head 80° 20'
On Conyon Largo unit # 36 WELL Head 321'

Remarks:

photos: 4 pict 10:30

Pit has water with oil on top.

Took Bearing to Wellhead on Canyon Largo unit # 36 meter # 71351

Completed By:

Lames Thousand

9-12-95

**Phase I Excavation** 

# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>N/A</u> Location: <u>20-45 Kinc OriP</u> Coordinates: Letter: <u>P</u> Section <u>13</u> Township: <u>25</u> Range: <u>06</u> Or Latitude Longitude  Date Started: <u>9-19-95</u> Run: <u>06</u> <u>62</u>
H. D OBSERVATIONS	
CLOSURE	Remediation Method:  Excavation  Onsite Bioremediation  Backfill Pit Without Excavation  Soil Disposition:  Envirotech  Other Facility  Name:  Pit Closed By:     170cu   170c
RE' RKS	Remarks: Arrived took = CNCC down pit Hab about 1' of Water & oil on top of It Dug 180 Yd out Sample walls  # Bottom N-vall 252 ppm S-vall 33 ppm E-wall 367 ppm w-wall  PPM Bottom 357 ppm Phase I FENCE: 24x21x3  No NET
	Signature of Specialist: Moron Liceion 4



# FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

#### SAMPLE IDENTIFICATION

Field ID Lab ID **MK466** SAMPLE NUMBER: 947509 MTR CODE | SITE NAME: LD241 2C-45 Line Drip SAMPLE DATE | TIME (Hrs): 09/20/95 1325 PROJECT: Phase I - Jicarilla DATE OF TPH EXT. | ANAL.: 09/22/95 09/22/95 DATE OF BTEX EXT. | ANAL.: Not Required Not Required TYPE | DESCRIPTION: VG Dark brown sand & clay

Field Remarks: (N-252) (S-33) (E-367) (W-3)

#### **RESULTS**

PARAMETER	RESULT	UNITS		QUALIF	IERS	
			DF	Q	M(g)	V(ml)
BENZENE	Not Required	MG/KG				
TOLUENE	Not Required	MG/KG				
ETHYL BENZENE	Not Required	MG/KG				
TOTAL XYLENES	Not Required	MG/KG				
TOTAL BTEX	Not Required	MG/KG				
TPH (418.1)	750	MG/KG			2.16	28
HEADSPACE PID	430	PPM				.77
PERCENT SOLIDS	85	%				

1	TERCETT BORES						
		- TPH is by EPA Metho	od 418.1 and BTEX is by EPA N	Method 8020 —			
The	Surrogate Recovery was at	Not Required	% for this sample	All QA/QC	was acceptab	ole.	
	ative:						
11	te was originally designated a	is outside the GW	VVZ.			<del></del>	
DE	= Dilution Factor Used					<del></del>	
•		C			- / . /		
Ap	proved By:Our Lar	Vi		Date:	7/14/46		_

# CHAIN OF CUSTODY RECORD

Page\_

PROJECT NUMBER	A TOSI COO	ANAG				$\frac{1}{2}$					
# 24324		Pit Closure Project	Projec	•	./ SHE			REQUEST	REQUESTED ANALYSIS		CONTRACT LABORATION F. C. NOMBER
SAMPLERS: (Signature)	1//	100		DATE:	BMUN JA BNIATNO:	SAMPLE TYPE				ENCE	
LABID	DATE	TIME	MATRIX	FIELD I	.TOT 0 90		qт <sup>5</sup> Ачэ тя	A93		# SEONI	REMARKS
	6-20-58 12:00	17:00	50,1	14144165		77	×	02L X		61/1	K-58-4 in Bill an seel strong 11 menter
	7-20-15	13.25 56,51	56.1		/	16	+	430		11/10	BC-45 Line Drip LD241
	9-70-85	27.75	50,1		_	07	<i>\</i>	<del>1</del> 8			
	J-18-8	13.3050,	50, 1	n. K 416 8		3	+	30	•		
	/						-				
	/										
						/	/				
							1	<del> </del>	/		
RELINQUISHED BY: (Signature)	gnature)		DAT	DATE/TIME 3 1, 0 RECEIVED BY: (Signature)	nature)		Æ,	LINGUISHED	RELINQUISHED BY: (Signature)		DATE/TIME PECEIVED BY: (Signature)
Me.a.	4	. 4	9-30.55	19.00	/~	) il	4,	ille.	) ille		05 01/18/B
RELINGUISHED BY: (Signature)	gnature)		DAT	DATE/TIME RECÇIVED BY: (Signatura)	nature)		, RE	LINQUISHED	RELINQUISHED BY: (Signature)		STIME RECEIN
REOLIECTED TIBNABOLIND TIME	IND TIME			CAMDI E DECEIDT DENABLE	STANDAG		$\dashv$				Chock H
☐ ROUTINE ☐ RUSH CARRIER CO.	HSO								Ť	HESULIS & INVOICES TO:	FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY
- BILL NO.:				CHARGE CODE					OS.	505-599-2144	FARMINGTON, NEW MEXICO 87499
									3	7-665-0	FAX; 5U5:589:2261

**CONTAINS HAZARDOUS MATERIALS** FREIGHT CHARGES

PREPAID COLLECT 505 328-2282 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION, (172, 604). TES NO - FURNISHED BY CARRIER DRIVER SIGNATURE: RECEVED, subject to the classifications and lawfully filed latifits 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 above which said carrier (the word carrier being understood throughout his contract as meaning any person or copposition in possession of the property words in K. contract as meaning any person or corporation in possession of the property words in c any to its usual place of destination, if on its route, otherwise to deliver to another carrier on the route to said destination and as to ear 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 shipmen. C.O.D. ≨ ≨ Collect Zip DATE: FROM: EL PASO NATURAL GAS COMPANY Shipper FARMINGTON, NM 87499-4990 Carrier's No. Date ę È 6 9 Shipper's No. Number Vehicle S 2/2 hes Amt: = **CONTAINS HAZARDOUS MATERIALS** EXEMPT HYDROCARBON EXEMPT HYDROCARBON CONTAMBATED SOIL EXEMPT HYDROCARBON **CONTAINS HAZARDOUS MATEP** EXEMPT HYDROCARBON CARRIER: (11967-PITS) SCAC CONTAMINATED SOIL CONTAMINATED SOIL CONTAMINATED SOIL CONTABBINATED SOIL PER: Street Origin (Signature of Consigner) 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 EL PASO NATURAL GAS (505) 509-2141 DOUG FOUTZ CONSTRUCTION Kind of Packages. Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME) This is to centry that the above-named materials are properly classifyl, <u>opcup</u>ed, poctaged, marked and are in proper condition to ymporation ecoungy the applicable requisitions of the Presement of France Condition of T STRAIGHT BILL OF LADING Zip EL PASO NATURAL GAS COMPANY **ORIGINAL - NOT NEGOTIABLE** 5796 US HIGHWAY 64 is hereby specifically stated by the shipper to be not exceeding \$ FARMINGTON, NM **ENVIROTECH** State: SANDRA MILLER Por 1147 **EMERGENCY RESPONSE** l of 2 TELEPHONE NUMBER: Remit C.O.D. to: Destination Consignee CARRIER: SHIPPER: Address Route: City: PER: Ö

PREPAID COLLECT EMERGENCY RESPONSE EL PASO NATURAL GAS (605) 589-2141

MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION, INCLUDING STORAGE
TELEPHONE NUMBER: ( 505) 326-2222 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION (172,504) TES KNO - FURNISHED BY CARRIER DRIVER SIGNATURE: DATE: 9-18-85 FREIGHT CHARGES 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 and above on a service as which said carrier (the word certred being undestraced throughout this contract as reacting any person or cosposation in possession of the property as and destination. If an its route, otherwise to deliver to another carrier on the route to as destination. It is mutually agreed as to each carrier of all or as all on the possession of the possession 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 to Stand program on any portion of staid 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 built leafing stain and confinent in the governing classification and the said retirement and conditions are hereby agreed to by the shipper and accepted for himself and upper hereby service to by the shipper and accepted for himself and C.O.D. FEE: ≨ ≸ ≨ ≨ Collect Zip FROM: EL PASO NATURAL GAS COMPANY Shinner P.O. BOX 4890 Ca(111867 NPITS) RATE È È È ġ È Shipper's No. FARMINGTON, NM 87499-4990 Number Vehicle WEIGHT (subject to correction) PLACARDS SUPPLIED く〉 DOUG FOUTZ CONSTRUCTION Number ma COD Amt: **CONTAINS HAZARDOUS MATERIALS** NOTE — Where the rate is dependent on value, shippers are required to state specifically in Separation in terms of the property. The agreed or declared value of the property CARRIER: 1 PER: Mun **CONTAINS HAZARDOUS MATER** PACKFILL SMUL Shipper Street Origin (Signature of Consigner) MCKFILL ACKFILL MCKFILL BACKFILL グボク Kind of Packages. Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME) This is to certify that the above-named materials are properly clearling-glass; back packaged, marked and labeled and are in proper condition for jugarportation according to the properties in the Department of Transportation or the Computer of Transportation of of transporta STRAIGHT BILL OF LADING FARMINGTON, NM 87401 EL PASO NATURAL GAS COMPANY DATE: ENVIROTECH 5796 US HIGHWAY 64 **ORIGINAL - NOT NEGOTIABLE** is hereby specifically stated by the shipper to be not exceeding \$ State: Fw. rotech SANDRA MILLER 20f2 Remit C.O.D. to: Street Destination Consignee CARRIER SHIPPER: Address: Route: 530 City:

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS PREPAID COLLECT ELPASONATURAL GAS (506) 509-2141

SOS ) 326-2262 PHILIP ENVIRONMENTAL INCHEDING TO TRAVSPORTATION (172,504) TYES NO - FURNISHED BY CARRIER FREIGHT CHARGES itions 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 are destined above which said destination, if on its route, otherwise to define to another territor the content as in earn person or corporation in possession of the property y to its route, otherwise to define to another territor the course to said destination. It is mutually agreed 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 speventing classification on the date of shipment. C.O.D. FEE: ≨ ≨ ¥ ≨ Prepaid Collect 93 Zip DRIVER SIGNATURE: FROM: EL PASO NATURAL GAS COMPAÑY Shipper P.O. BOX 4980 Street FARMINGTON NM 87400 1000 Carrier's No. Date 🗿 RATE È ġ è È Shipper's No. Vehicle Number Subject to Serono 7 at the condustor, of this Japanese is to be delivered as the compare without recount company, the company and belia up to be the ungo to extract the company and the service that makes to be the up to be the upper person of frequently and the subject to the company of this Japanese to the upper person of frequently and all subject to the upper person of frequently and the company of the subject to the upper person of frequently and the upper person of the upper p WEIGHT (subject to correction) PLACARDS SUPPLIED B 34 hes のと Number COD Amt: **CONTAINS HAZARDOUS MATERIALS** EXEMPT HYDROCARBON EXEMPT HYDROCARBON EXEMPT HYDROCARBON CONTAMBATED SOIL **CONTAINS HAZARDOUS MATER** EXEMPT HYDROCARBON CARRIER: птряоска CONTAMINATED SOIL CONTAMINATED SOIL (11967-PITS) SCAC CONTAMINATED SOIL CONTAMINATED SOIL Origin (Signature of Conugrae) HAZARD Class 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 EL PASO'NATURAL GAS (506) 509-2141 Zip: DOUG FOUTZ CONSTRUCTION (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME) property classified, described, packaged, marked the according to the applicable regulations of the STRAIGHT BILL OF LADING Zip EL PASOMATURAL GASCOMPANY **ORIGINAL - NOT NEGOTIABLE** 5796 US HIGHWAY 64 is hereby specifically stated by the shipper to be not exceeding \$ FARMINGTON, NM Kind of Packages, Desc ENVIROTECH State レソバン SANDRAMILLER EMERGENCY RESPONSE 2C-45 077 TELEPHONE NUMBER: Remit C.O.D. to: Destination Consignee CARRIER SHIPPER Address: Route: Street イン PER:

**CONTAINS HAZARDOUS MATERIALS** PREPAID COLLECT EL PASO NATURAL GAS (503) 508-2141 MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION, INCLUDING STORAGE 505 326-2262 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION, 1772 604). PRINCE THE HURNISHED BY CARRIER DATE: 91, 19, 75 FREIGHT CHARGES RECEIVED, subject to the classifications and lawfully filed statifis 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) under the contract as meaning any person or croporation in possession of the property under the contract as meaning any person or croporation in possession of the property under the contract agrees to comparation in possession of the property under the contract agrees to except any person or croporation in possession of the property of any of its and posterior determined determined as any of a said found of determined 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 build of lading terms and conditions on the date of shipment.

Shipper thereby 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 hareby agreed to by the shipper and accepted for himself and the said stating. LABELS REQUIRED C.O.D. FEE: 161 Prepaid 🔯 ≨ ≨ ≨ ≨ Collect D FROM: EL PASO NATURAL GAS COMPANY Shipper P.O. BOX 4880 Street FARMINGTON, NM 87480-4000 Ca(HBG/NPITS) RATE È 5 è ۶ ج Shipper's No. Number Vehicle NO TEOU angere WEIGHT (subject to correction) DOUG FOUTS EQUISTRUCTION Number Amt: 1.0. g **CONTAINS HAZARDOUS MATERIALS** ≨ PER: () Origin HAZARD CLASS (Signature of Consignar) MACKFILL MCKFILL MCKFILL MCKFILL MCKFILL PLACARDS REQUIRED 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 20-45 Ausp レジン Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SKIPPING NAME) This is to cently that the above named materials are property classified, described, packaged, marked and labeled not no proper condition for impropriation of proping to the applicable regulations of the Opportunism of Handson. STRAIGHT BILL OF LADING ENVIROTECH 5796 US HIGHWAY 64 FARMINGTON, NM 87401 EL PASO NATURAL GÁS COMPANY SANDRA MILLER ORIGINAL - NOT NEGOTIABLE Jangale is hereby specifically stated by the shipper to be not exceeding \$ State: Enviloatean Ewvirateck Day EMERGENCY RESPONSE 20f2 TELEPHONE NUMBER: Remit C.O.D. to: Destination Consignee CARRIER: SHIPPER: Address Route: No. Shipping

**CONTAINS HAZARDOUS MATEB** 

CONTAINS HAZARDOUS MATERIALS PREPAID COLLECT ARDOUS MATERIAL IS IN TRANSPORTATION, INCLUDING STORAGE FREIGHT CHARGES D YES NO - FURNISHED BY CARRIER DRIVER SIGNATURE: is 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 and existed as indicated above which said carrier (the word carrier being undestroad throughout this contact as meaning any person or corporation in possession of the property as 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 onto a said route. The subject to all the bill or onto a said route to each carrier of all or onto a said route. of leging terms and conditions in the governing classification on the date of shipment.

Shipper and conditions are hereby agreed to by the shipper and accepted to the months and conditions are hereby agreed to by the shipper and accepted to the misser and conditions. DATE: 9-17 ž ş ≨ C.O.D. Prepaid Collect Carrier's No. FROM: EL PASO NATURAL GAS COMPAÑY Number 9 RATE È 6 È ۶ Shipper's No. FARMINGTON, NM 87499-4990 Vehicle PLACARDS SUPPLIED t-ary Number Shipper P.O. BOX 4990 Amt: 12为hrs. EL PASO NATURAL GAS (506) 509-2141

EL PASO NATURAL GAS (506) 509-2141

605 ) 326-2282 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION (17) **CONTAINS HAZARDOUS MATERIALS** EXEMPT HYDROCARBON EXEMPT HYDROCARBON CONTAMINATED SOIL EXEMPT HYDROCARBON CONTAMBATED SOIL CONTAINS HAZARDOUS MATER XEMPT HYDROCARBON CARRIER: / CONTAMINATED SOLL SONTAMINATED SOIL (11967-PITS) SCAC CONTAMENATED SOIL ≨ Street Origin HAZARD Class (Signature of Convignor) PLACARDS REQUIRED 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 DOUG FOUTZ CONSTRUCTION Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME) classified, described, packaged, marked ding to the applicable regulations of the STRAIGHT BILL OF LADING Zip EL PASO NATURAL CAS COUPART 5796 US HIGHWAY 64 **ORIGINAL - NOT NEGOTIABLE** FARMINGTON, NM is hereby specifically stated by the shipper to be not exceeding ENVIROTECH 000 State 21,46 This is to certify that the above-named maynials are propert and labeled and are in proper condition for ansportation acq. Department of Transportation. SANDRA WILLER EMERGENCY RESPONSE 1 of 2 TELEPHONE NUMBER: Remit C.O.D. to: Ċ Destination Consignee CARRIER SHIPPER: Address Route: / Street Sh pping City: Ö

#### **CONTAINS HAZARDOUS MATERIALS** FREIGHT CHARGES PREPAID COLLECT DOUS MAYERIAL IS IN TRANSPORTATION, INCLUDING STORAGE ☐ YES M NO — FURNISHED BY CARRIER DRIVER SIGNATURE: 4 LABELS REQUIRED (or exemption) RECEVED, 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 and occurrent the work of the content of the content as meaning any person or corporation in possession of the property under the contract general carry to its usual place of delivery as and destination, if on its route, otherwise to delivery to carry to its usual place of delivery as and destination, if on its route, otherwise to delivery are received to a service to be party as any time of a service to any portion of seld route of destination and as to each party at any time interested in all or any said conditions 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 in the governing classification and the said terms and conditions in the governing classification and the said terms and conditions in the governing classification and the said terms and conditions in the governing classification and the said terms and conditions in the governing classification and the said terms and conditions in the governing classification and the said terms and conditions in the governing classification and the said terms and conditions in the governing classification and the said terms and conditions in the governing classification and the said terms and conditions in the governing classification and the said terms. C.O.D. FEE: LEGICAL DATE: 279-GK Prepaid 🔀 Carrier's No. 9-19-95 ş ¥ ≨ ₹ ₹ 24324 Collect FROM: EL PASO NATURAL GAS COMPANY Shipper P.O. BOX 4990 Street FARMINGTON, NM 87499-4990 Number 9 RATE Ğ Ğ Ġ ġ Š Shipper's No. Vehicle without payment of freight and all other lawful charges WEIGHT (subject to correction) 0 Fare S 10kg/ 1.D. Number Amt: PER: (LE DO E) EL PASO NATURAL GAS (505) 599-2141 MONITORED AT ALL TIMES THE HAZAR 505 328-2262 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION, (1726) **CONTAINS HAZARDOUS MATERIALS** CONTAINS HAZARDOUS MATER CARRIER (11957 - PITS&CAC Origin (Signature of Conugner) BACKFILLE BACKFILL M **SACKFILL 3ACKFILL** BACKFILL 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 DOUG FOUTZ CONSTRUCTION Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME) This is to cartify that the above-named materials are properly clearlised, described, packaged, marked and labeled and are in proper condition for ignaporation according to the applicable regulations of the Department of Transportation. EL PASO NATURAL GAS COMPANY ENVIROTECTO 5796 US HIGHWAY 64 FARMINGTON, NM 87401 Zip STRAIGHT BILL OF LADING ORIGINAL - NOT NEGOTIABLE is hereby specifically stated by the shipper to be not exceeding \$ ENVIROTECH -nulratee SANDRA MILLER WENT -EMERGENCY RESPONSE Route: 20f2 TELEPHONE NUMBER: Remit C.O.D. to: State of the State Destination Consignee CARRIER: ШИ SHIPPER Address: Street No. Shipping Units City: PER:

CONTAINS HAZARDOUS MATERIALS 1. Sept 1993 PREPAID COLLECT EL PASO NATURAL GAS (505) 509-2141
MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION, INCLUDING STORAGE 505 ) 328-2262 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION (172.604). TYES TO - FURNISHED BY CARRIER FREIGHT CHARGES to the classifications and lawfully filed tartiffs 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) maked, consigned, and estimed as indicated above which said carrier (the word carrier plan undestrood throughout this contract as meaning any person or corporation in possession of the gooderty of the said of the property of the said of the property of the said of the property of t d property over all of 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 missed and property and the bill of leding terms and conditions are hereby agreed to by the shipper and accepted for himself and reby certifies that he is familiar with all the bill of leding terms and conditions in the governing classification and the said terms and conditions. C.O.D. EEE: ž ≨ ≨ Prepaid Collect Zip DRIVER SIGNATURE: FROM: EL PASO NATURAL GAS COMPANY Shipper P.O. BOX 4880 Street Number 9 RATE 6 ė ę È Carrier's No. Date Shipper's No. Vehicle PLACARDS SUPPLIED Ś ile Amt: 12 hes **CONTAINS HAZARDOUS MATERIALS** EXEMPT HYDROCARBON CONTAMBATED SOIL **CONTAINS HAZARDOUS MATER** EXEMPT HYDROCARBON 20-45 LIVE DEIP EUN KOTENT HYDROCARBON ENW CONTAMBATED SON. EXEMPT HYDROCARBON CARRIERS 22-45 LUE DEP/FULLIFOTECH CONTABINATED SOIL (11867-PITS) SCAC CONTAMINATED SOIL CONTAMINATED SOIL CONTAMINATED SOIL PER: Origin 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 SIME DOUG FOUTZ CONSTRUCTION Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME) described, packaged, marked a spplicable regulations of the STR. JOHT BILL OF LADING Zip EL PASO NATURAL GAS COMPANY DATE **ORIGINAL - NOT NEGOTIABLE** 5796 US HIGHWAY 64 writing the agreed or declared value of the property. The agreed o FARMINGTON, NM ENVIROTECH State: SAKORA MILLER This is to certify that the above named materials and labeled and are in proper condition for physic Department of Transportation. EMERGENCY RESPONSE of 2 TELEPHONE NUMBER: Remit C.O.D. to: Destination Consignee CARRIER SHIPPER Shipper here his assigns. Address: Route: Street PER City:

CONTRINS HAZARDOUS MATERIALS

**CONTAINS HAZARDOUS MATERIALS** PREPAID COLLECT EL PASO NATURAL GAS (505) 589-2141 MONITORED AT ALL TIMES THE HAZAROUS MATERIAL IS IN TRANSPORTATION. INCLUDING STORAGE 505 ) 326-2262 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION. (172,604). TES NO - FURNISHED BY CARRIER FREIGHT CHARGES awfully 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 deficient described which said cestination, if on its route, otherwise to deliver to another carrier on the route to said destination, if on its route, otherwise to deliver to another carrier on the route to said destination, if on its route, otherwise to deliver to another carrier on the route to said destination, if is mutually agreed as to each earner of all or all said route to destination, if on its route, otherwise to deliver to another carrier on the route to said of a subject to all the bill 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 under the contract) agrees to carry to its usual piace of detivery at said destination, if on its route, otherwise to alother carrier on the route to said destination and as to each party time interested in all or any said property, that every service to be partormed testination and as to each party time interested in all or any said property, that every service to be partormed testination and as to each party time interested in all or any said property and social party that every service to be partormed testinations 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 terms and conditions are hereby agreed to by the shipper and accepted for himself and C.O.D. FEE:
Prepaid XX ≸ ₹ ₹ ₹ ₹ Carrier's No. 19 990 Collect Zip DRIVER SIGNATURE: FROM: EL PASO NATURAL GAS COMPANY Shipper P.O. BOX 4990 Street FARMINGTON, NM 87499-4990 RATE Š Ġ Ś ģ 5 Vehicle Number Shipper's No. Q WINDER Number **CONTAINS HAZARDOUS MATERIALS** 20-45 LIVEDAD BACKFILL EMW. CARRIER: (11957 - PITS&CAC BACKFILL EMA PER: Origin ACKFILL BACKFILL BACKFILL NOTE - Where the rate is dependent on value, shippers are required to state specifically in ed value of the property. The agreed or declared value of the property 20-95 HIVE DAD Kind of Packages. Description of Articles (If Hazardous Materials - Proper Shipping Name) DOUG FOUTZ CONSTRUCTION ed, described, packaged, marked the applicable regulations of the STRAIGHT BILL OF LADING FARMINGTON, NM 87401 EL PASO NATURAL GAS COMPANY ORIGINAL - NOT NEGOTIABLE ENVIROTECH 5796 US HIGHWAY 64 is hereby specifically stated by the shipper to be not exceeding \$ State: This is to certify that the above-named materials are properly and labeled and are in proper condition for Angoorphish accidenation of Transportation. SANDRA MILLER EVVIROTSCH, EMERGENCY RESPONSE TELEPHONE NUMBER: 2 of 2 Remit C.O.D. to: writing the agreed or de Destination Consignee CARRIER SHIPPER: Address: Route: PER:

**CONTAINS HAZARDOUS MATER** 

**CONTAINS HAZARDOUS MATERIALS** FREIGHT CHARGES

PREPAID COLLECT EL PASO NATURAL GAS (505) 508-2141
MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION, INCLUDING STORAGE 505 ) 328-2262 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION (172.604). TES NO - FURNISHED BY CARRIER defaults 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 as included which said examined may person or corporation in possession of the property of claiming which said estimation, if on its route, otherwise to deliver to another certifier on the route to said destination, if on its route, otherwise to deliver to another certifier on the route to said destination, if on its route, otherwise to deliver to another certifier on the route to said 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 3-15-58 ZEE: ot 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 in the governing classification and the said terms and conditions. DATE: 9-18-55 252 ≨ C.O.D. J ≸ ≨ Prepaid Collect DRIVER SIGNATURE: FROM: EL PASO NATURAL GAS COMPANY Shipper P.O. BOX 4990 RATE 8 6 ج ġ Carrier's No. Date Shipper's No. FARMINGTON, NM 87499-4990 Number Vehicle Just ら 3 hes Amt 144 **CONTAINS HAZARDOUS MATERIALS** CONTAINS HAZARDOUS MATER EXEMPT INTROCARBON CONTAMINATED SOIL EXEMPT HYDROCARBON EXEMPT HYDROCARBON EXEMPT HYDROCARBON CONTABBATED SOIL CARRIER (11867-PITS) SCAC CONTAMINATED SOIL CONTAMINATED SOIL CONTAMBLATED SOIL ≨ PER: Street Origin 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 DOUG FOUTZ CONSTRUCTION Kind of Packages, Description of Articles (IF HAZARBOUS MATERIALS - PROPER SHIPPING NAME) This is to certify that the above-named materials are property classified described packaged, marked and tableded and are in proper condition for suppoperation according to the pipilicable regulations of the Department of Fansportation and the - wylca, STRAIGHT BILL OF LADING Zip EL PASO NATURAL GAS COMPANY **6796 US HIGHWAY 64** ORIGINAL - NOT NEGOTIABLE is hereby specifically stated by the shipper to be not exceeding \$ FARMINGTON, NM ENVIROTECH State: 41'n R SANDRA MILLER EMERGENCY RESPONSE E Route: 1 of 2 TELEPHONE NUMBER: Remit C.O.D. to Destination Consignee CARRIER: SHIPPER: 077 Address: Street PER: City:

**CONTAINS HAZARDOUS MATERIALS** PREPAID COLLECT 18-51 505 ) 328-2282 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION (172.604). Tres XXNO — FURNISHED BY CARRIER DRIVER SIGNATURE: FREIGHT CHARGES RECEVED, 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, any person or corporation in possession of the property of packages unknown, marked, consigned, any person or corporation in possession of the property of the contract as meaning any person or corporation in possession of the property or any of size depending a 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 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 obtaining 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 in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and  $\sim$ C.O.D. FEE: LABELS REQU Prepaid 💢 ≸ 24324 ≨ ≸ ≸ **§** Collect 0 Zip DATE FROM: EL PASO NATURAL GAS COMPANY Ca(filissing Neurs) RATE shipment is to be delivered to the consignee without recouns on the Š ġ È ج È Shipper's No. Street FARMINGTON, NM 87499-4990 Number Vehicle Jun WEIGHT (subject to correction) PLACARDS SUPPLIED 43 DOUG FOUTS EANSTRUCTION Shipper P.O. BOX 4990 Number Juny 1 Amt: CARRIER: DF **CONTAINS HAZARDOUS MATERIALS COD CONTAINS HAZARDOUS MATER** SMM3 PER: Origin HAZARD Class (Signeture of Comigner) BACKFILL MCKFILL BACKFILL MCKFILL MCKFILL 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 EL PASO NATURAL GAS (505) 500-2141 41,ne 26 45 Bei Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME) 151 Deip This is to cently that the above-named materials are properly cleasified, deportbed packaged, marked and labeled and are in proper condition for transportation according to the applicable equilations of the Department of Transportation. STRAIGHT BILL OF LADING FARMINGTON, NM 87401 EL PASO NATURAL GAS COMPANY DATE **5796 US HIGHWAY 64** ORIGINAL - NOT NEGOTIABLE is hereby specifically stated by the shipper to be not exceeding 8 ENVIROTECH State: NU WANT Environte SANDRA MILLER ENVICATECK, CARRIER: D FC 20f2 **EMERGENCY RESPONSE** TELEPHONE NUMBER: Remit C.O.D. to: Destination Consignee SHIPPER: Address Route: Street 0351 City: PER: 

#### EL PASO NATURAL GAS (505) 589-2141 MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION, INCLUDING STORAGE 505) 326-2262 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION, (172,604). TES EXNO - FURNISHED BY CARRIER DRIVER SIGNATURE: 9-19-95 FREIGHT CHARGES I 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 as deated above which said excinse (the word certrer being undestructed throughout this contest as meaning any person or corporation in possession of the property at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination, if on its route of the arrier of the order of a said destination, if on the route, otherwise to deliver to another carrier on the route to said destination, if on the route, otherwise to deliver to another carrier on the route to said 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 ider 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 said property, that every service to be performed hereunder shall be subject to all the bill lading terms and conditions in the government of said said terms and conditions in the government of the said said terms and conditions are teachy service to be performed the shipper and accepted for himself and the bill of lading terms and conditions are teachy sgreed to by the shipper and accepted for himself and C.O.D. FEE: Prepaid XX <u>~</u> ≸ ≸ ≸ Collect 7 DATE: FROM: EL PASO NATURAL GAS COMPANY RATE is to be delivered to the consigned without recourse on the Ϋ́ ġ ġ Š Ġ Carrier's No. Date **FARMINGTON, NM 87499-4990** Shipper's No. Number Vehicle Acchuleta く〉 3/2 hrs P.O. BOX 4990 Amt Ľ Q **CONTAINS HAZARDOUS MATERIALS** 4015 EXEMPT HYDROCARBON CONTAMINATED SOIL EXEMPT HYDROCARBON CONTAMINATED SOIL **EXEMPT HYDROCARBON** EXEMPT HYDROCARBON CONTAMINATED SOIL **EXEMPT HYDROCARBON** CARRIER: CONTAMINATED SOIL CONTAMINATED SOIL (11957-PITS) SCAC Shipper Street PER: , (Signature of Consigner) Origin 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 TIERRA ENVIRONMENTAL CORP DOUG FOUTZ CONSTRUCTION Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME) This is to cently that the above named materials are properly classified, described, packaged, marked and are in proper condition for uparportating, according to the applicable requisitions of the Department of Transportation. STRAIGHT BILL OF LADING FARMINGTON, NM 87409 Zip EL PASO NATURAL GAS COMPANY **ORIGINAL - NOT NEGOTIABLE** DATE 909 WEST APACHE State: SANDRA MILLER EMERGENCY RESPONSE of 2 NOTE -- Where the rate is Remit C.O.D. to: Consignee Street Destination CARRIER: SHIPPER: Address: Route: City: PER:

**CONTAINS HAZARDOUS MATER** 

ij.

**CONTAINS HAZARDOUS MATERIALS** 

CONTAINS HAZARDOUS MATERIALS PKPREPAID COLLECT EL PASO NATURAL GAS (505) 589-2141 MONITORED AT ALL TIMES THE HAZARDOUS MATERIAL IS IN TRANSPORTATION, INCLUDING STORAGE 505 326-2262 PHILIP ENVIRONMENTAL INCIDENTAL TO TRANSPORTATION, (172,604). TYES TOTAL - FURNISHED BY CARRIER DRIVER SIGNATURE: FREIGHT CHARGES DATE: 9-19-95 RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Leding, the property described above in apparent good order, except as noted (contents and condition of contents) of peakages unknown, marked, consigned, and destined as independent on the context area as maning any person or corporation in possassion of the property under the context agrees as the activity agreed as to each terrier (the works) of the property over all or or any portion of said focus to destination and as to each perry at any time interested in all or any said property over all or any portion of said focus to destination and as to each perry at any time interested in all or any said property or all or the previous on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of leding terms and conditions in the governing classification and the said terms and conditions in the potential or the shipper and accepted for himself and C.O.D. FEE:
Prepaid XX
Collect \$ 6-61-b ş ≨ FROM: EL PASO NATURAL GAS COMPANY Shipper P.O. BOX 4990 Street FARMINGTON, NM 87499-4990 RATE 5 Š Š Š Š FARMINGTON, NM 87499-4990 Carrier's No. Date Shipper's No. Vehicle Number stormant and without payment of freight and oil other lowlivi charges WEIGHT (subject to correction) PER: Chas Archolota PLACARDS SUPPLIED I.D. Number Amt: CARRIER: DFC **CONTAINS HAZARDOUS MATERIALS** NOTE — Where the rate is dependent on value, shippers are required to state specifically in dependent of the property. 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 \$ AIM STO BACKFIES MIL 8:00 (11957 - PITSICAC BACKFILE Origin HAZARD CLASS BACKFILL BACKFILL BACKFILL PLACARDS REQUIRED *TIERRA ENVIRONMENTAL CORP.* DOUG FOUTZ CONSTRUCTION Kind of Packages. Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME) This is to certify that the above-named materials are properly clearlined described, packaged, marked and takened and are in integer condition for planaportation accopying to thy applying a goalations of the Department of Transportation. STRAIGHT BILL OF LADING FARMINGTON, NM 87409 EL PASO NATURAL GAS COMPANY DATE: ORIGINAL - NOT NEGOTIABLE 909 WEST APACHE State: SANDRA MILLER Su vino tec Ewvinotak EMERGENCY RESPONSE 2 of 2 TELEPHONE NUMBER: Remit C.O.D. to: Destination Consignee CARRIER MH SHIPPER: Shipper ne. his assigns. Address: Street Route: City: 620

CONTAINS HAZARDOUS MATER

Phase II Soil Boring

#### RECORD OF SUBSURFACE EXPLORATION

p Environmental Services Corp.

Morroe Rood

Fermination, New Mexico 67401 (606) 326-2262 FAX (506) 326-2388

11:11

Elevation
Borehole Location 725, RG, 513, P
GWL Depth
Logged By S.Kelly
Drilled By M. Donchule
Date/Time Started 11/2/45, 12/5
Date/Time Completed 11/2/45, 1345

Borehole # BH-1
Well #
Page | of 7

Project Name
Project Number
Project Location

EPNG Pits

14509 Ph 2C-45 L

Phase 601 Line Drip, No mote

Well Logged By Personnel On-Site Contractors On-Site S.Kelly

M. Donohue, F.

Client Personnel On-Site

Drilling Method

Drilling Method 4/4/17 /

• .	Oepin (Feet)	Sample		Sample Type & Recovery Inches)	Sample Description Classification System: USCS	USCS	Depth Lithology Change (feet)		ur Monito Units: N 8H	,	Orilling Conditions & Blow Counts
•	0 5				Back Fill to 121	,					
	10										
	20	l	18- 20	.7.20	clayer SILT, dk. grey, 10-25% clay, v. loose, damp		21	-		<u>231</u> 6429	1235
•	25				SAND, tan, fine sand, v. 1005e, Samp				11/2/45		1243
	30	3	26- 30	60	Silty SAND, dk. brown, 15-35% silt, Fine Sand, loose, damp.					- 1	1252
	35		33	1.01	5AA					152 2500	1259 of day rich sand z"-4" thick
	40		38- 40 =	1.5	clayey SAND, brown, 10-30% plastic clay, fine sand, loose, wet.				- 1	1	1310 noteadspace wetszuple?

36-40 sample (SEK 102) sent to lab (BTEXOTPH) sample was bagged and iced prior to being put in lar water level 42.2.

Geologist Signature

Jarah Helly

#### RECORD OF SUBSURFACE EXPLORATION

ulip Environmental Services Corp.

S.Kelly

00 Monroe Road

Fermington, New Mexico 87401 (606) 326-2262 FAX (606) 326-2388

Elevation

**Borchole Location** GWL Depth

Logged By

Drilled By

Date/Time Started

Date/Time Completed

Project Name

Project Number Project Location EPNG Pits

Phase

14509 Line Dijo

Well Logged By

Personnel On-Site

Contractors On-Site

Client Personnel On-Site

Drilling Method

Air Monitoring Method

CGI, PID

		·	,	<del></del>		_				·
	1	1	Sample		1	Depth	1			1
Depth	Sample	Sample	Type &	Sample Description	uscs	Lithology	1	Air Monito		Drilling Conditions
(Fect)	Number	interval	Recovery	Classification System: USCS	Symbol	Change		Units: N		* & Blow Counts
			(inches)		ļ	(fect)	62	вн	S	
40			ļ		l	İ		1		water level
1   '					i		ĺ		1	at 42.21
1 📙 🔠			al		1		1			
		43- 44.5	اسكن	SAND, ton, mottled with rust fine to med. Sand, dense, wet cutting head comes up with	1		1	1		11.0000-1
	6	10	1.5	Sino D, Tomprior Hed with Fust	1	1	ł	İ		NO PID reading wet sample.
45		44.5		tine to med. sand, dense,	ł		1		1	WET SOMPRE.
				wer	i			1	1	D=1/1
	l			cutting head comes up with a med. sand, white, angular sand at 48.		İ	1	1	1	Drilling is hard, like rock
			Ì	a mod Kand white angularsan			l	1		hard, like rock
50	1	- 1		at 11d					1	
10		ì		<i>U1 7</i> 7.					1	
	į	l	j				1	1	1	
	Í	)	İ	j						
	- 1	1	į							
	1	1	1	TOB-5211						
15	ľ		[	100-521	1					
	1	-	ı	·						
		1	- 1	·	l			l i		
	- 1	İ			ļ					
	j	}	1					]		
20	İ	1	1		- 1					
					. ]				1	
		Ì	i					! !		
. <del> </del>	- 1		- 1	į	- 1					
; <del> </del>	1	į	İ	i	1	j				
		-						İ	- 1	
25		1	j		1	ł			- 1	
.			ļ		- 1	1	i			
. L 1		İ	- 1	1					1	
. 🗕	]		- 1	1	1	ļ		- 1	1	
<u> </u>	1	- 1	- 1	į	-	i	`			
30	- 1		1		- 1	1	i		- 1	
	1	- 1	<b>,</b>	1	İ			- 1	- 1	
				1	- 1	-	l			
	1				}			1	- 1	
		- }	1			1	1	-		
35			1			1		1	ł	
		· ·					1	ļ	1	
				Į.	1	j	- 1		Ì	
	J		1			}			1	
	- 1	1	1		ļ	1	ĺ	1		
40			ĺ		j					
			l						[	

Comments:



# FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

#### SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	SEK 102	947731
MTR CODE   SITE NAME:	LD241	2C-45 Line Drip
SAMPLE DATE   TIME (Hrs):	11/02/95	1310
PROJECT:	Phase	II Drilling
DATE OF TPH EXT.   ANAL.:	11/06/95	11/07/95
DATE OF BTEX EXT.   ANAL.:	11/06/95	11/06/95
TYPE   DESCRIPTION:	VG	Dark brown clay

į	-ield	Remarks:	

#### **RESULTS**

PARAMETER	RESULT	UNITS		QUALIFI	ERS	
			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)	< 10	MG/KG			1.91	28
HEADSPACE PID	Not Tested	PPM				
PERCENT SOLIDS	82.4	%				

- TPH is by EPA Method	418.1 and BTEX is by EPA M	lethod 8020 —
105	% for this sample	All QA/QC was acceptable.

DF = Dilution F	actor Used
-----------------	------------

Surrogate Recovery was at

Approved By: John Futh

Date: 7/19/94

E COMPANY

CHAIN OF CUSTODY RECORD

Page.

RECEIVED OF LABORATORY BY: (Signature) EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499 FAX: 505-599-2261 459 84 K.58 LINE DryD, Nonefer FIELD SERVICES LABORATORY RECEIVED BY: (Signature) 0 83 Canyon Largo Uhit #26, 85/2C-45 Line Drip, No REMARKS CONTRACT LABORATORY P. O. NUMBER DATE/TIME 30. 11/6 11/4/95 RESULTS & INVOICES TO: # SEONENCE 505-599-2144 5£ REQUESTED ANALYSIS RELINQUISHED BY: (Signature) RELINQUISHED BY: (Signature) CIR BAJ BTEX BPA 8020 F.814 A93 HqT 7 SAMPLE SAMPLE RECEIPT REMARKS TOTAL NUMBER RECEIVED BY: (Signature) REÇEIVED BY: (Signature SEK 102 CHARGE CODE 人而大 701 | Amx 100 FIELD ID PROJECT NAME
PIT CLOSURE Project TIME | MATRIX 1.05/2011/24/11 11/2/45/c930|Soi| 11/2/15/1310 Soil DATE REQUESTED TURNAROUND TIME: RELINQUISHED BY: (Signature) RELINQUISHED BY: (Signature) O RUSH SAMPLERS: (Signature) PROJECT NUMBER # 24324 LABID O ROUTINE CARRIER CO BILL NO.:

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

White Tosting Laboratory Canary - EPNG Lab Pink - Field Sampler

#### MONITORING WELL INSTALLATION RECORD

Philip Environmental Services Corp.

Fermington, New Mexico 87401 (606) 326-2262 FAX (606) 326-2388

Elevation	T25.R6.513 P
GWL Depth	
Installed By 122	Donohul
Date/Time Started	11/2/95, 1345
Date/Time Comple	eted 1/12/95, 1715

Borehole # BH-/ Well # MW-1 Page of	
Project Name EPNG Pit Drilling	
Project Number 14509 Phase 6007 Project Location ZC-45 Line Drip, No meter	_
On-Site Geologist  Personnel On-Site  Contractors On-Site  Client Personnel On-Site	

Depths in Reference to Ground S	Surface		F		Top of Protective Casing Top of Riser	· <u>+2.0</u> 1
ftem	Materiel	Depth			Ground Surface	0.0
Top of Protective Casing			1.65	ANA STATE		
Bottom of Protective Casing						
Top of Permanent Borehole Casing						
Bottom of Permanent Borehole Casing				ν,		
Top of Concrete	Type I of with 5% bentonite					
Bottom of Concrete						
Top of Grout		0.0				
Bottom of Grout		320				
Top of Well Riser	411,3ch.40 DVC	12.0				
Bottom of Well Riser	-	36.7				
Top of Well Screen	4", Sch 40 PVC 1010510+	36.7			Top of Seal	<u>32.0                                    </u>
Bottom of Well Screen	-	51.7	) ) )	200		
bentonite Top o <del>l Poltoni</del> to Seal	Enviraplug -	32.0	0X	XX	·	_
bentonite Bottom of Pattonite Seal	777635	35.0	$\infty$	×χ	Top of Gravel Pack	<u>35.0</u>
Top of Gravel Pack	10-20 CSSI _ 52nd, 12 hags	35.0			Top of Screen	-36.7
Bottom of Gravel Pack		52./				
Top of Natural Cave-In				$\exists$		
Bottom of Natural Cave-In						
op of Groundwater					Bottom of Screen	<u>-51.7'</u>
Total Depth of Borehole	_	5Z.1			Bottom of Borehole	-52.1

comments: 14' and cap. - PVC

Geologist Signature - MMM ROLLA

	PHILIP		ell	De	yelc	Well Development		nd P	and Purging Data	Dat	ल्	BDevelopment Development		Well Number	M	-
		Ser	ial No.	Serial No. WDPD.			ı					)				Page of
	Project Name	6 Pug Pir S	16 P	2,5				۵ ا	Project Manager		Cortchanc	37721		Proje	Project No.	14508
	Client Company ELP 21 Network	Iny 66.7	, , ,	NETE		525								Phas	Phase.Task No.	. (0003.77
	Site Name	3C-45 6126 2	7 2	7 7	9000				Site Address	s						
	Development Criteria	ւրt Crite	ria				>	Vater Vo	Water Volume Calculation	ation			lns	Instruments		Serial No. (If applicable
	☑ 3 toC5-Casing Volumes of Water Removal ☐ Stabilization of Indicator Parameters	Casing V ation of I	olum Indica	es of \ itor Pa	Nater Re rameter	emoval s	<u> </u>	nitial Depth	Initial Depth of Well (feet) 54.89	54.	68		1	& pH Meter		H764c
Ŋ	Other						= ∓ 	litial Depti leight of V	Initial Depth to Water (feet) 52, 77 Height of Water Column in Well (feet)	et) <u>57.</u> in Well	(feet)	15.75		☐ DO Monitor	ō	
	Methods of Development	f Develo	) J J	ent			Δ.	iameter (ir	Diameter (inches): Well	7	Gravel Pack	sck	!	B Conductivity Meter	rity Meter	
	Pump	w	Bailer		· · ·		L		Water Volume in Well	lume in V		Gallons to he	` _	Acremperature Meter	ure Meter	
	☐ Centrifugal	\ 0	7 60	Double Check	ZOSottom Valve ☐ Double Check Valve	9>		ltem	Cubic Feet	Gallons	П	Removed		Other		
	☐ Peristaltic		] Sta	inless-	☐ Stainless-steel Kemmerer	mmerer	>_	Well Casing		91		10 85				
	Other						ισι	Gravel Pack					>	Water Disposal	sal	
	<b>†</b>							Drilling Fluids	9					Drummod	* T/3~	Transp. 7 . 4 To
	Water Removal Data	noval Da	зtа				لــــا	Total				2	· · · · ·	KUTZ Seperati	,	in Bloonfred
			Deveta	Development Method Re	Removel Rate	, E	Ending Water Depth		Water Volume Removed (gallons)	Product Volume Removed [gellons	olume gellons)	Temperature		Conductivity	Dissolved	
	Date	Time	Pump	Pump Baller	(Oal/min)	(1001)	(feet)	Increment	Cumulative	Increment Cumulative	aytholightve.	ارم م/ء	рН	(wmhos/cm)	(mg/L)	Comments
	12 7 55	1118		R				٥/	01			58.5	774	1.40		B~ m ~627
		011		>				10	7.0			55.9	7,71	/'۲٦		שיה אבן צירוג
		3511						10	30			559	2.75	1.21		Ben Stery
**		5121						0/	40			55.4	7.64	۲٬۱		1
	11.7-56	1230	_	۷				٥	50			75.9	7.70	1,16		1800 51684
											gwain Ar g Year		•			
									,							
	Circle the date and time that the development criterie ere met. Comments	and time th	at the	develop	ment crite	ia ara mat.										

Reviewer\_\_

Date 11-7-5

Developer's Signature(s) Admos

Form A0101 Rev. 03/21/94

	<b>01111</b>	(D
•	ENVIRONME	IP WAY
	Sample Ty	/pe:
	Project Na	me <b>_</b> _
	Project Ma	nager _
	Site Name	2c-
	Depth Reques	g Spec sted Sam Interva sted Wa lopment
	Water Q	uality/
	Date	Time
	Sec	well

PHIL	IP WAY	W	Vat	er	Sa	mpli	ng :	Da	ta				Loca	tion N	NoM	w-1
		s	erial No	. <u>ws</u>	50								Gro	up Li:	st Numb	er _ <u>'</u>
Sample Ty	ype:	Ø	Groun	idwa	iter	☐ Surfac	e Wate	r 🗆	Oth	er				_	Date _	11-7-55
Project Na	ıme <u></u>	- 7~ 4	2.5										Project	t No.	1450	٢
Project Ma	anager	<u>Ç</u> 0	-Y C1	<u> </u>	ve_								_ Phase.	.Task	No	6003 . 77
Site Name	<u>2c</u>	-45	L.~.	<u>د لم .</u>	٦0	·		<del></del>								
Reques	sted Sa h Inter	ampl val (: /ait f	ing feet) ollowi	<u>τ</u>			<b>!</b> (	Time Initia	e Ela	ater D	From epth	Final (feet)	Developm	4	urging (	hours) is
Water Q	luality	/W	ater C	Colle	ection	1							DO = Diss	olved (	Oxγgen; C	Cond. = Conductivit
	$T^{-}$				V	Vater Qua	ality Re	adings	;		٧	Vater (	Collection	Data		
Date	Tin	ne	Sam <sub>l</sub> Initia		Temp (°C)	1	DO (mg/L)	(μπ	ond. ihos/ m)	Volu Remo	oved	Remo Rate (gal/m	Depth	Bail	Final Water Depth (feet)	Notes (Explain in Comments Below)
Sec	wel	I .	200	c Lo	2 m e	+ 5~3	Purc	٠	ے د	272	١,	eer				
												-				
														-		
Sample C	Contai	iner	s										ic; V = V( O = Other			O = Other (Specify) None
Analytic				Co	ontainer		1	ield tered			Du	ooled uring ection				
Parameter	r List		mber	Т	үре	Volume (m	nL) Yes	No	Pre	served	Yes	No			Comment	s
BTEX		2		G		40		b	1	/	0		JAL	34		
TDS					2	250	_	صر	N	4	مر		JAL 3	4		
						· ·										
										_						
							7									
																· · · · · · · · · · · · · · · · · · ·
Filter Type							<del></del>	Chair	1-of-(	Custo	lγ Fo	orm No	umber			
Comment	:s											<u>.</u>				
Signature _	an	معد	ن	Lo	rej		Dat	e <u>11</u> -	7-	<u>55'</u>		Rev	viewer		_ Date	
. Form A020	1			. <del>-</del>	σ								- · · · · · · · · · · · · · · · · · · ·			



# FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Water

#### SAMPLE IDENTIFICATION

A 3/1/4

FIELD COMMENTS:

#### EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT	QUALIFIER	WQCC LIMIT PPB
TDS - TOTAL DISSOLVED SOLIDS (PPM)	658		None
BENZENE (PPB)	71.3		10
TOLUENE (PPB)	329		740
ETHYL BENZENE (PPB)	34.2		750
TOTAL XYLENES (PPB)	336		620
		Allowed Ran	ige
SURROGATE % RECOVERY	100	80 to 120 '	%

Approved By: \_\_\_\_\_\_ She Lake

\$/6/96 aprint R.

CHAIN OF CLUICAY RECORD

Page

													•	/	(9)1	<del></del>	_	<del></del>		
CONTRACT LABORATORY P. O. NUMBER		REMARKS	Prepared BY S.KellY of P.E.S	ac-45610000.p										DATE/	DATECTIME RECEIVED OF LABORATORY BY: (Signal, re)	1		FIELD SERVICES LABORATORY	EL PASO NATURAL GAS COMPANY P. O. BOX 4990	FARMINGTON, NEW MEXICO 87499
CONT			7.12	B						/					1	$\dashv$		NVOICES		4
S	# ЛЕИСЕ	SEO		8		-				/				,	delle			RESULTS & INVOICES TO:		505-599-2144
REQUESTED ANALYSIS	ς	d†		×					/					RELINDUSHED BY: (Signature)	ALLINO IISHED BY: (Signatura)					
JESTED	alq 8							-	/					SHED BY:	SHED BY					
REOL	8050 LEX	RPA EPA	R	×				$\overline{}$						RELINDING						
	Hq 1.814	T Aq3																		
	SAMPLE 39YT		8%	3											7/1/1					
Бяз	BMUN JAT	701 ) 40	-	7										nature)		name)		REMARKS		
		FIELD ID	7	34										RECEIVED BY: (Signature)	JAM K	Scived Bi. (ag		SAMPLE RECEIPT REMARKS		CHARGE CODE
	DATE: 11-7-55	FIEL	300	346		,										1		S		<u>]</u>
roject		MATRIX	WATER	m AT er		/		•						DATE/TIME	107 55 16C	5				
ure Pr		TIME	1240 1	) 245 W					-						1	}				
PROJECT NAME PIt Closure Project	23	DATE T	./ -55	<del> </del>	/		-									6		TIME:		
	18 4	à	=	=	<u>/</u>					-	-	-		Y: (Signatur	5	Y. (Signalui		D PUSH		
PROJECT NUMBER # 24324	SAMPLERS: (Signatura)	CAB ID												RELINGUISHED BY: (Signature)	James C	RELINGUISHED BY: (Signature)		REQUESTED TURNAROUND TIME:	CARRIER CO.	BILL NO.:



#### **MEMORANDUM**

John Lambdin

Date: May 8, 1996

From: Dennis Bird

Place: Laboratory Services

Subject: Ojito Pipeline Pit Monitor Well

On Friday, April 19, 1996, I went to the Ojito Pipeline and sampled the following pit monitor well. The following analytical parameters are to be performed on this groundwater sample: BTXE, 8 RCRA Metals, Genaral Chemistry to include Nitrate as NO3. The samples were assigned the laboratory numbers 960377 to 960378. A field duplicate was also collected on this well. The Field Service Laboratory will be performing all of the analysis.

The following information was collected on this well.

Well	Monitor	Pipe	Static	Total	Gallons	
Name	Well#	ID	Level	Depth	Bailed	
7 2C-45 Line Drip	MW-1	4"	39.03'	54.89'	33.0	LD 241

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.

mie P. Blix

cc: Nancy Prince Sandra Miller



#### **EL PASO FIELD SERVICES**

# FIELD SERVICES LABORATORY ANALYTICAL REPORT

#### SAMPLE IDENTIFICATION

SAMPLE NUMBER:	960378
METER CODE:	LD 241
SITE NAME:	Ojito Pipeline
SAMPLE SITE:	2C-45 Line Drip MW-1
SAMPLE DATE:	04/19/96
SAMPLE TIME (Hrs):	1628
SAMPLED BY:	D. Bird
DATE OF BTEX ANALYSIS:	04/22/96
SAMPLE TYPE:	Water

REMARKS: Field Duplicate

#### EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT PPB	QUALIFIER	WQCC LIMIT PPB
BENZENE	5.87	D (X2)	10
TOLUENE	30.6	D (X2)	740
ETHYL BENZENE	5.22	D (X2)	750
TOTAL XYLENES	35.4	D (X2)	620
SURROGATE % RECOVERY	88.8	Allowed Ra 80 to 120	_

NOTES:

The "D" Qualifier indicates that the reported result for this analyte is calculated based on the secondary of factor shown.

no Indi

1// 20/100



# FIELD SERVICES LABORATORY ANALYTICAL REPORT

#### SAMPLE IDENTIFICATION

SAMPLE NUMBER:	960377			
METER CODE:	LD 241			
SITE NAME:	Ojito Pipeline			
SAMPLE SITE:	2C-45 Line Drip MW-1			
SAMPLE DATE:	04/19/96			
SAMPLE TIME (Hrs):	1628			
SAMPLED BY:	D. Bird			
DATE OF BTEX ANALYSIS:	04/22/96			
SAMDLE TYPE	Water			

REMARKS:

#### EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT PPB	QUALIFIER	WQCC LIMIT PPB
BENZENE	5.82	D (X2)	10
TOLUENE	31.2	D (X2)	740
ETHYL BENZENE	5.35	D (X2)	750
TOTAL XYLENES	36.3	D (X2)	620
SURROGATE % RECOVERY	91.9	Allowed Ra 80 to 120	- i

#### NOTES:

The "D" Qualifier indicates that the reported result for this analyte is calculated based on the secondary of the factor shown.

I Lell

4/30/01

שמחתים שני עון



#### Field Services Laboratory **Analytical Report**

#### SAMPLE IDENTIFICATION

960377 EPNG LAB ID: 04/19/96 DATE SAMPLED: 1628 TIME SAMPLED (Hrs): D. Bird SAMPLED BY: Water MATRIX: Ojito Pipeline SAMPLE SITE NAME: 2C-45 Line Drip MW-1 SAMPLE POINT: LD 241 **METER CODE:** 

FIELD REMARKS:

#### GENERAL CHEMISTRY WATER ANALYSIS RESULTS

PARAMETER	RESULT	UNITS	DATE ANALYZED
pH	8.2	Units	04/23/96
Alkalinity as C0 <sub>3</sub>	0.0	PPM	04/23/96
Alkalinity as HC0 <sub>3</sub>	351	PPM	04/23/96
Calcium as Ca	19	PPM	04/23/96
Magnesium as Mg	2	PPM	04/23/96
Total Hardness as CaC0 <sub>3</sub>	57	PPM ·	04/23/96
Chloride as Cl	4	PPM	04/20/96
Sulfate as S0 <sub>4</sub>	202	PPM	04/20/96
Fluoride as F	0.3	PPM	04/23/96
Nitrate as N0 <sub>3</sub> -N	<0.2	PPM	04/20/96
Potassium as K	1.5	PPM	04/23/96
Sodium as Na	213	PPM	04/23/96
Total Dissolved Solids	648	PPM	04/25/96
Conductivity	920	umhos/cm	04/23/96
Anion/Cation %	1.7%	%, < 5.0 Accepted	04/26/96

Lab Remarks:

Reported By:

Approved By: John Jardi



#### Field Services Laboratory **Analytical Report**

#### SAMPLE IDENTIFICATION

960378 **EPNG LAB ID:** 04/19/96 DATE SAMPLED: 1628 TIME SAMPLED (Hrs): D. Bird SAMPLED BY: Water **MATRIX:** Ojito Pipeline SAMPLE SITE NAME: 2C-45 Line Drip MW-1 SAMPLE POINT: LD 241 **METER CODE:** 

FIELD REMARKS:

Field Duplicate

#### **GENERAL CHEMISTRY WATER ANALYSIS RESULTS**

PARAMETER	RESULT	UNITS	DATE ANALYZED
pH	8.2	Units	04/23/96
Alkalinity as C0 <sub>3</sub>	0.0	PPM	04/23/96
Alkalinity as HC0 <sub>3</sub>	353	PPM	04/23/96
Calcium as Ca	19	PPM	04/23/96
Magnesium as Mg	2	PPM	04/23/96
Total Hardness as CaC0 <sub>3</sub>	57	PPM	04/23/96
Chloride as Cl	4	PPM	04/20/96
Sulfate as S0 <sub>4</sub>	201	PPM	04/20/96
Fluoride as F	0.3	PPM	04/23/96
Nitrate as N0 <sub>3</sub> -N	< 0.2	PPM	04/20/96
Potassium as K	1.5	PPM	04/23/96
Sodium as Na	214	PPM	04/23/96
Total Dissolved Solids	672	PPM	04/25/96
Conductivity	909	umhos/cm	04/23/96
Anion/Cation %	1.8%	%, < 5.0 Accepted	04/26/96

Lab Remarks:

Reported By:

Approved By: John Fall.



#### FIELD SERVICES LABORATORY ANALYTICAL REPORT

#### SAMPLE IDENTIFICATION

960377 SAMPLE NUMBER: Ojito Pipeline LOCATION: 2C-45 Line Drip MW-1 SAMPLE SITE: LD241 **METER CODE:** SAMPLE DATE: 04/19/96 SAMPLE TIME (Hrs): 1628 SAMPLED BY: D. Bird

REMARKS:

#### **RESULTS**

	TOTAL	N. M. WQCC
PARAMETER	RESULT	LIMIT
	(mg/L)	(mg/L)
ARSENIC	< 0.025	0.100
BARIUM	<0.5	1.00
CADMIUM	< 0.0005	0.010
CHROMIUM	0.009	0.050
LEAD	0.015 *	0.050
MERCURY	<0.00024	0.002
SELENIUM	< 0.005	0.050
SILVER	< 0.0004	0.050

- NOTE: The sample results have been corrected for volume adjustment associated with Method 3015.
  - This analyte was detected in the associated Method Blank at a concentration of 0.011 mg/L.

#### 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 7080A, Barium (Atomic Absorption, Direct Aspiration), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept., 1994.

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, EPA 600/4-91/010, A, June, 1991.
  - od 7741A, Selenium (Atomic Absorption, Gaseous Hydride), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept., 1994.
  - Me 7761, Silver (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.

Reported By: mh

Approved By: John Labele



# FIELD SERVICES LABORATORY ANALYTICAL REPORT

#### SAMPLE IDENTIFICATION

SAMPLE NUMBER:

LOCATION:

SAMPLE SITE:

METER CODE:

SAMPLE DATE:

SAMPLE TIME (Hrs):

SAMPLED BY:

D. Bird

REMARKS: Field Duplicate

#### RESULTS

PARAMETER	TOTAL RESULT (mg/L)	N. M. WQCC LIMIT (mg/L)
ARSENIC	<0.025	0.100
BARIUM	< 0.5	1.00
CADMIUM	< 0.0005	0.010
CHROMIUM	0.007	0.050
LEAD	0.013 *	0.050
MERCURY	<0.00024	0.002
SELENIUM	< 0.005	0.050
SILVER	< 0.0004	0.050

- **©**OTE: The sample results have been corrected for volume adjustment associated with Method 3015.
- This analyte was detected in the associated Method Blank at a concentration of 0.011 mg/L.

#### 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 7080A, Barium (Atomic Absorption, Direct Aspiration), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept., 1994.
- 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.
- ethod 245.5, Mercury (Automated Cold Vapor Technique), Methods for the Determination of Metals in Environmental Samples, EPA 600/4-91/010, USE June, 1991.
- 7741A, Selenium (Atomic Absorption, Gaseous Hydride), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept., 1994.
- Met' 7761, Silver (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.

Reported By: Mh

Approved By:

When Hatthe

Date: 10/5/06



Requested Analysis Contract Laboratory  Requested Analysis Contract Laboratory  September 27 MOV 430  Remarks  Remarks	7.C-45 LINE ORID M/C LO34/1 7.RID BURNA		Date/Time Received by: (Signature)	Date Results Reported / by: (Signature)
Requested Analysis		Relinquished by: (Signature)	Relinquished by: (Signature)  Date/Time Remarks:	3
Total No. of Containers Chain of Custody Seals	3 3 -	nature)	nature) ralorx bv: (Signature)	Charge gode
AEL/INE Receiving Temp. (*F) Reserving Temp. (*F) Reserving Temp. (*F) Reserving Temp. (*F)	23.72		Received by: (Signature) Received for Laboratory	11/1/1/1
Date 4-12.	18 03. 18 03. 18 03. 18 03. 18 03.	Date/Time	Date/Time	
Samplers: (Signature)  M. M. M. M. M. M. Matrix  Date Time Matrix	4-19-16-18-14-18-18-18-18-18-18-18-18-18-18-18-18-18-	Relinquished by: (Signature)	Relinquished by: (Signature)	voices to::
Sar Sar Lab ID		Relinquished	Relinquished	Results & Invoices to:

san juan repro Form 71-65

'HITE-Testing Laboratory YELLOW-EPNG Lab PINK-Freid Sampter



#### QUALITY CONTROL REPORT

Sample ID:

960320 to 960323, 960325 to 960327, 960330 to 960334, Date Reported: 05/10/96 960340 to 960343, 960350 to 960353, 960355 to 960356,

960370 to 960373, and 960375 to 960378, 960380 & 960386

#### **TOTAL METALS**

#### LABORATORY CONTROL SAMPLE

	Analyte	Found Value (μg/L)	Known Value (µg/L)	% Recovery
	Arsenic	26.2	27.0	97%
	Barium	309	315	98%
	Cadmium	3.06	2.90	106%
7	Chromium	7.09	6.70	106%
	Lead	35.9	39.5	91%
	Mercury	1.79	1.75	102%
	Selenium	36.7	31.0	118%
	Silver	3.16	3.06	103%

#### LABORATORY CONTROL SAMPLE (2nd run)

	Analyte	Found Value (μg/L)	Known Value (μg/L)	% Recovery
	Arsenic	NA	NA	NA
	Barium	NA	NA	NA
1	Cadmium	2.76	2.90	95%
	Chromium	7.34	6.70	110%
	Lead	35.9	39.5	91%
	Mercury	1.71	1.75	98%
	Selenium	NA	NA NA	NA
	Silver	NA	NA	NA

NA: Not Applicable. A second run was not required.



#### **EL PASO FIELD SERVICES**

#### QUALITY CONTROL REPORT

#### **TOTAL METALS, DUPLICATE ANALYSIS**

**SAMPLE ID: 960321** 

Analyte	Original Sample Result (μg/L)	Duplicate Sample Result (µg/L)	% RPD
Arsenic	ND	ND	NA
Barium	ND	ND	NA
Cadmium	ND	ND	NA
Chromium	1.65	1.61	2.5%
Lead	2.3	2.1	8.2%
Mercury	ND	ND	NA
Selenium	ND	ND	NA .
Silver	ND	ND	NA NA

**SAMPLE ID: 960343** 

	Original	Duplicate	
Analyte	Sample	Sample	% RPD
	Result	Result	
	(μ <b>g/L</b> )	(μ <b>g/L</b> )	
Arsenic	ND	ND	NA
Barium	ND	ND	NA
Cadmium	ND	ND	NA
Chromium	1.14	1.28	11.6%
Lead	2.4	2.1	11.7%
Mercury	ND	ND	NA
Selenium	ND	ND	NA
Silver	ND	ND	NA NA

**SAMPLE ID: 960375** 

Analyte	Original Sample Result (µg/L)	Duplicate Sample Result (µg/L)	% RPD
Arsenic	ND	ND	NA
Barium	1.15	1.12	2.6%
Cadmium	0.56	0.55	1.8%
Chromium	29.1	29.0	0.3%
Lead	12.1	13.3	9.4%
Mercury	ND	ND	NA NA
Selenium	ND	ND	NA NA
Silver	ND	ND	NA

Analyte Not Detected at stated detection level.

. lot Applicable.

Renorted Ru. MM

Annroved Rv

A. Juli.

Nata. 101/96



#### QUALITY CONTROL REPORT

#### TOTAL METALS, SPIKE ANALYSIS

SAMPLE ID: 960321

Analyte	Original Sample Result (µg/L)	Spike Sample Result (µg/L)	Spike Added	Recovery Percent
Arsenic	ND	47.4	45.5	104%
Barium	236	1098	959	92%
Cadmium	ND	8.12	9.59	85%
Chromium	1.65	51.9	45.5	108%
Lead	ND	37.3	45.5	82%
Mercury	ND	1.94	2.00	97%
Selenium	ND	9.64	9.60	100%
Silver	ND	43.0	45.5	95%

SAMPLE ID: 960343

Analyte	Original Sample	Spike Sample	Spike	Recovery
	Result	Result	Added	Percent
	(μ <b>g/L</b> )	(μ <b>g/L</b> )		
Arsenic	ND	53.7	45.5	118%
Barium	166	1102	959	99%
Cadmium	ND	9.33	9.60	96%
Chromium	1.14	39.8	45.5	85%
Lead	ND	40.0	45.5	88%
Mercury	ND	1.92	2.00	96%
Selenium	ND	10.3	9.60	108%
Silver	ND	36.0	45.5	79%

**SAMPLE ID: 960375** 

Analyte	Original Sample Result (μg/L)	Spike Sample Result (µg/L)	Spike Added	Recovery Percent
Arsenic	8.5	55.3	45.5	105%
Barium	1036	1889	959	99%
Cadmium	0.42	11.1	9.60	112%
Chromium	29.1	59.5	45.5	73%
Lead	10.9	38.1	45.5	62%
Mercury	ND	2.03	2.00	101%
Selenium	ND	9.47	9.60	99%
Silver	ND	39.1	45.5	86%

NOTE: Spike recoveries for Cr and Pb for Sample 960375 are below acceptance criteria due to matrix interference.

Reported By: Mh

Approved By:

Volu Farling

Date: 14/5/90



#### QUALITY CONTROL REPORT

#### TOTAL METALS, METHOD BLANK ANALYSIS

#### 04/24/96 METHOD BLANK

Analyte	Found Value (µg/L)	Detection Level (µg/L)
Arsenic	ND	25
Barium	ND	500
Cadmium	ND	0.5
Chromium	ND	1.
Lead	ND	4
Mercury	ND	3.24 *
Selenium	ND	5
Silver	ND	0.4

#### 04/25/96 METHOD BLANK

	Found	Detection
Analyte	Value	Levei
	(μg/ <b>L</b> )	(μ <b>g/L)</b>
Arsenic	ND	25
Barium	ND	500
Cadmium	ND	0.5
Chromium	ND	1
Lead	11	4
Mercury	ND	0.24 *
Selenium	ND	. 5
Silver	ND	0.4

ND: Not Detected at stated detection level.

NA: Not Applicable.

NOTE: All detection levels except Hg are 5X MDL.

Hg detection level is based on a Practical Quantitation Level (PQL) of 10X MDL.

J. Tredin

no 10/5/9/0

n in h

Stural Gas Company

CHAIN OF CLUIODY RECORD

Page\_\_

æ					BEOLI	FSTED	BEOLIESTED ANALYSIS		CONTRACT LABORATORY P. O. NUMBÉR
Pit Closure Project		я 9 9 9 9 9 9	;						
SAMPLERS: (Signatura)	DATE: [1-7-55	MUN JA:	alamas agyt	Hc 418.1	8050 EX	alq a	<	# IENCE	
CABID DATE TIME MATRIX	FIELD ID	TOT 0 40		1T A93	T8 A93		'dT	SEGU	REMARKS
135 1240 WATER	5AL 33	-	82		Ŗ				TIRIPBLANK Prepared BY S.KellY U. P.E.S
1245 WATE	34 34	М	3		×		¥	8	2c-456,~60,0
			/						5
									A
						/	/		
									3 2
									1
RELINDUISHED BY: (Signature)  DATE/TIME	IE RECEIVED BY: (Signature)	nature)			RELINDUSHED BY: (Signature)	HED BY:	Signature)	,	DATE/TIME 36. RECEIVED BY: (Signature)
1107 55	•	$\mathcal{L}$	ille		7	4	1 July	/13	11/8/95 7.10
RELINQUISHED BY: (Signature) DATE/TIME	AE RECEIVED BY: (Signature)	nature)			PÉLINOUISHED BY: (Signature)	нер ву:	(Signature)		DATE/TIME RECEIVED OF LABORAJORY BY: (Signal.ne)
REQUESTED TURNAROUND TIME:	SAMPLE RECEIPT REMARKS	REMARKS					HES	ULTS & INV	RESULTS & INVOICES TO: FIELD SERVICES LABORATORY
									EL PASO NATURAL GAS COMPANY P. O. BOX 4990
•	CHARGE CODE						505	505-599-2144	FARMINGTON, NEW MEXICO 87499  FAX: 505-599-2261