1R - /34

### REPORTS

DATE:

1996

Date:

November 23, 1996

Mr. Roger Anderson

Env. Department NMOCD

Ref. TNM-96-34

PECLICED

DEC 02 1996

Environments the pau Oil Conservation Division

This letter is to confirm our conversation of 11/12/96 at which time it was reported that a small amount of water had surfaced in the bottom of the excavation. The water was standing in a tractor track and appeared to have a hydrocarbon sheen. On 11/14/96 a small trench measuring 2ft. wide by 4ft. in length by 2 ft. in depth was opened up in the bottom near the area where the water had seeped into the track. Soil and water samples were collected as soon as sufficient water had seeped into the trench. No visible hydrocarbons were noted at the time of sampling. On 11/22/96 it was observed that the dust being generated by the soil shredding process and equipment moving about the site was settling in the bottom of the excavated area. It was recommended to your office the same date to sample the water in the trench and cover with fresh soil to prevent future impact. Soil and water samples were again collected. A slight "rainbow" was noted on the surface of the water. Dirt was moved onto location from another area was spread out on the bottom hole at a depth of 18 inches.

Based on the analytical results of the soil and water samples Texas New Mexico Pipe Line Co. would like to continue the soil shredding process and begin placement of the rocks separated by shredding back into the excavation. Upon completion of shredding all soil exhibiting a soil TPH level greater than 100 ppm will be moved off site to a land farm for further remediation. Fresh dirt "free from hydrocarbons" will be placed on top of the rocks and water downed at 3 ft. intervals to assure proper packing.

It is estimated that 29,000 cubic yards of soil and rock will need to processed through the shredder. A consultant on site estimates the rock content to be about 75% of the total volume. That would represent about 8,000 cubic yards of soil needed to be land farmed.

A comprehensive report including soil bores, monitor wells and all sampling events will be generated as soon as all the data has been collected. Estimated mailing date 12/5/96.

J. Q. Danie John A. Savoie

TNMPLCO.

Submit 3 Copies to Appropriate District Office

CONDITIONS OF APPROVAL, IF ANY:

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103

Revised 1-1-89

DISTRICT I	OIL CONSERVATI	ON DIVISION	
P.O. Box 1980, Hobbs, NM 88240	310 Old Santa Fe Tra		WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mer	ci∞ 87503	5. Indicate Type of Lease
			STATE FEE
DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410			6. State Oil & Gas Lesse No.
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Jexas - New Mex  3. Address of Operator	100 Pipeline Co.		9. Pool name or Wildcat
	028 San AngeloT	x. 76906-0028	
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Unit Letter :	Feet From The	Line and	Feet From The Line
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I hereby certify that the information above is true	and complete to the best of my knowledge and I	pelief.	
STONATURE of alm Q.	Zanera,	me Senior T	Tech DATE 11/11/96
TYPE OR PRINT NAME John	A. Savoie		TELEPHONE NO. 505-395-2705
(This space for State Use)			



### **ALLSTATE SERVICES**

P.O. BOX 11322 MIDLAND, TEXAS 79702 OFFICE: (915) 682-3547 FAX: (915) 682-4182

September 30, 1996

Texas New Mexico Pipeline P.O. Box 1018 Eunice, New Mexico 88210

Re:

TNM 96-34

Monument, New Mexico

Gentlemen:

#### **BACKGROUND**

Allstate Services Environmental was contacted to supervise the remediation response and operations at the above release site. A third party contractor was present and had begun excavating the area immediately surrounding the source of suspect origin at the pipeline prior to the arrival of ASE.

The suspect release appeared to accumulate near the subject section of pipeline and then migrated Southward under a cross fence and followed an Amerada Hess pipeline right-of-way for approximately 300 feet. The AH pipeline is a fairly new installation of fiberglass line which could account for the rapid absorption of the free oil from the release at this point.

#### **DELINEATION**

On September 24, 1996, Allstate performed a delineation of the subject site to determine the degree of contamination both vertically and horizontally. The trenching method was employed and the field screening method for TPH analyses was utilized in this investigation based on infrared absorption. Most materials have characteristic infrared spectra. It is possible to compute the concentration of each of the materials by measuring the intensity of the characteristic infrared absorption bands based on the Beer-Lambert law. The field screening procedure utilizes the EPA 418.1 method for TPH analysis and was accomplished with a Mega TPH analyzer. This was used for a qualitative check to determine the presence or absence of petroleum hydrocarbons in the subject soil.

Please see the accompanying map in Appendix "A", Figure 1.



#### Page Two

The following observations and determinations were made:

Contaminated material consisted of highly saturated soil at the surface being black in color with immiscible phases of hydrocarbon constituents. Field screening results at surface were 51,350 ppm TPH. Throughout the trenching operations it is noted that just beneath the surface and to various depths, depending upon proximity to the release and to the center of the AH right-of-way, saturation was similar in consistency (at approx. 2' depth TPH results were 62,650 ppm). The contamination thinned in depth at the outer edges and at the end of the release. A total depth at the center of the elongated finger of the release could not be reached, due to the limitations of the backhoe. On the South, at the visible end of the release, a sample was collected at approximately 4' to 4 1/2' from the surface, TPH results were 4,100 ppm.

Trench ID	Description
No. 1	On the West side of release 19' Southward from cross fence. Trench approx. 10' long and 5' in depth, visible contamination from surface to 5'. Hard rock at btm.
No. 2	On the West side of release 44' Southward from cross fence Trench approx. 12' long and 30" in depth, visible contamination from surface to 30", light colored caliche at bottom. Hard rock encountered. Contamination thins as it reaches edge.
No. 3	On West side of release 115' Southward from cross fence. Trench approx. 21' long and 18" in depth, visible contamination from surface to bottom. Hard rock at btm. Contamination thins at edges.
No. 4	On the East side of release 115' Southward from cross fence. Trench approx. 24' long and 18" in depth, visible contamination from surface to btm. Light colored caliche. Hard rock btm. Contamination thins at perimeter.
No. 5	On East side of release 281' Southward from cross fence.  Trench approx. 5' long and 2' in depth, visible contamination from surface to btm. Hard rock encountered.
No. 6	On West side of release 281' Southward from cross fence. Trench approx. 5' long and 2' in depth, visible contamination from surface to btm. Hard caliche btm.

#### Page Three

No. 7

On East side approx. 45' South from the cross fence on the North side of the release, a finger shaped area 42' X 18' wide was noted. Trench approx. 9' long and 1 1/2' from surface on South side revealed visible contamination from surface to btm. Hard caliche encountered at btm.

No. 8

An additional trench was placed adjacent to No. 7 approx. 10' West and the contamination was almost identical to the No. 7 results. Measured approx. 8' length, 1 1/2' in depth with black saturated material surface to btm. Hard caliche btm.

A pipeline of unknown origin is immediately North of the No. 7 & 8, therefore no trenching was utilized on that side.

#### SITE DETAILS

The New Mexico State Engineer Office has provided an overview in the area of the depth to groundwater which appears to range from about 12' to 22' from the land surface.

The release has involved two landowners and lessors as it crossed property boundaries and migrated from it's origin Southward along the natural depression of the land.

#### PROPOSED OPERATIONS

Excavation was initiated on the Southern most end of the release to the depths of the contamination from approximately 3' - 4' at the end and increased in saturation to depths of about 12' as the work progressed back toward the North and the origin of the release. The saturated area also increased in width nearer the site of origin as would be typical of these conditions.

The excavated material is being staged on plastic for later remediation. The Soil Shredding remediation method has been selected for this project. Soil Shredding is the mechanical particulization and homogenization of the soil. The contaminated material is processed through the shredder with non shreddable materials, including rocks and debris, being discharged through an exit feed.

### Page Four

The remediated soil will be stockpiled on site in 100 - 200 cubic yard piles and field screened for TPH levels.

The rocks which are removed during shredding will be replaced back into the excavated hole.

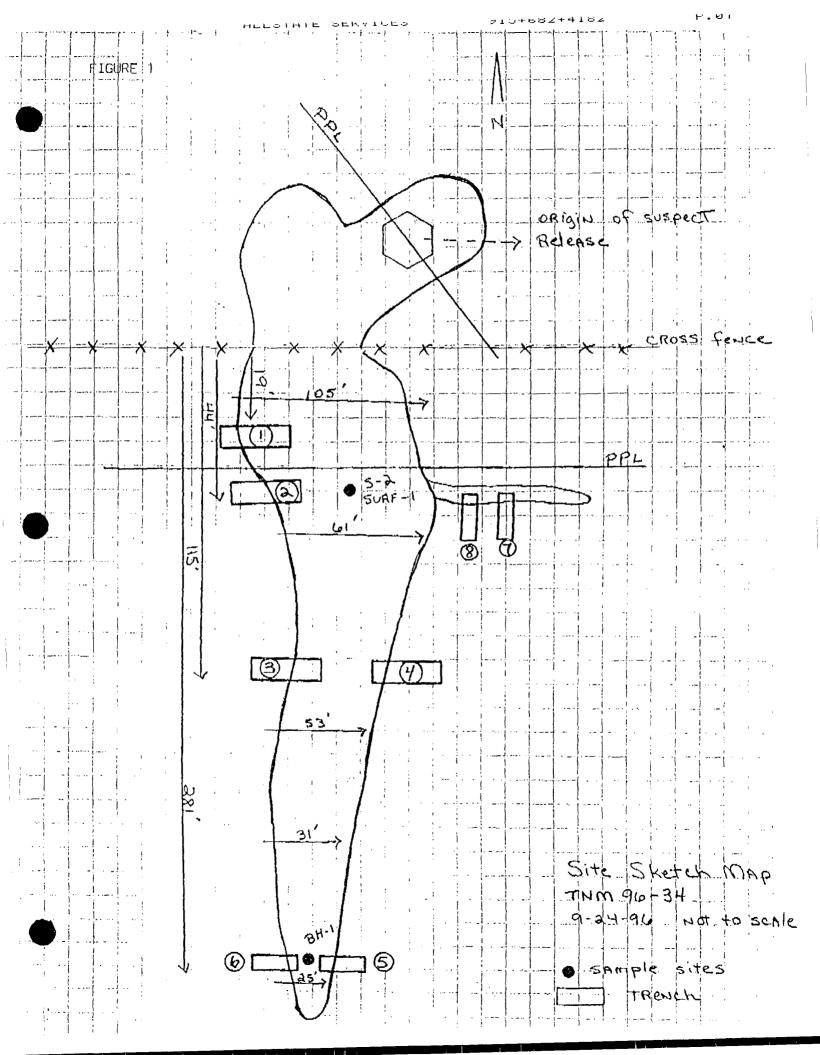
Depending on the levels of petroleum hydrocarbons in the remediated soil, TNMP will make a determination as to the further handling of the subject material.

Sincerely,

K.C. Offield

Allstate Services Environmental

APPENDIX "A"



"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY ATTN: MR. TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 505-395-2636

Receiving Date: 10/14/96 Sample Type: SOIL

Project: TNM 96-34

Project Location: MONUMENT, NEW MEXICO

Analysis Date: 10/14/96 Sampling Date: 10/11/96 Sample Condition: Intact/Iced

ELT#	FIELD CODE	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYLBENZENE (mg/Kg)	m,p-XYLENE (mg/Kg)	o-XYLENE (mg/Kg)	TPH (mg/kg)
9219 9220 9221 9222 9223 9224 9225 9226 9227	96-10-11-B-H 2A 96-10-11 WSW 3A 96-10-11 BH 1A 96-10-11 ESW 3A 96-10-11 WSW 2A 96-10-11 BH 3A 96-10-11 ESW 1A 96-10-11 WSW 1A	<0.100 <0.100 <0.100 <0.100 <0.100 <0.100 <0.100 0.117 <0.100	<0.100 <0.100 <0.100 <0.100 <0.100 <0.100 0.184 <0.100 <0.100	<0.100 <0.100 <0.100 0.105 <0.100 0.300 0.118 <0.100 0.216	0.153 <0.100 0.355 0.189 0.131 2.340 1.052 0.158 2.114	<0.100 <0.100 0.263 <0.100 <0.100 1.232 0.512 <0.100 0.996	80 490 320 280 210 320 70 190 50
	% IA % EA BLANK	103 118 <0.001	92 109 <0.001	92 105 <0.001	85 101 <0.001	85 100 <0.001	103 72 <10

METHODS: SW 846-8020,5030 . EPA 418.1

Michael R. Fowler

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"Don't Treat Your Soll Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY MR. JOHN A. SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 505-395-2636

RECEIVING DATE: 10/16/96 SAMPLE TYPE: SOIL

PROJECT #: TNMP 96-34
PROJECT NAME: TNMP 96-34

PROJECT LOCATION: MONUMENT, NEW MEXICO

ANALYSIS DATE: 10/17/96 SAMPLING DATE: 10/15/96

SAMPLE CONDITION: INTACT/ICED

		TPH	
ELT#	FIELD CODE	(mg/kg)	
9261	961015-WSW1	<10	
9262	961015-WSW2	20	
9263	961015-WSW3	630	
	QUALITY CONTROL	1115	
	TRUE VALUE	1116	
	% PRECISION	100	

Methods: EPA 418.1

Michael R. Fowler

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"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY MR. TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 505-363-2636

Receiving Date: 10/21/96 Sample Type: SOIL

Project: 96-34

Project Location: MONUMENT, NM

Analysis Date: 10/21/96 Sampling Date: 10/18/96 Sample Condition: Intact/Iced

BENZENE TOLUENE **ETHYLBENZENE** m,p-XYLENE o-XYLENE ELT# FIELD CODE (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) (mg/Kg) 9312 0.252 961018 WSW2C 0.152 0.269 0.293 0.384 % IA 104 93 91 87 88 % EA 99 89 83 86 83 **BLANK** < 0.001 < 0.001 < 0.001 < 0.001 < 0.001

METHODS: SW 846-8020,5030

Michael B. Fowler

"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY

ATTN: MR. TONY SAVOIE

P.O. BOX 1030 JAL, NM 88252 FAX: 505-363-2636

RECEIVING DATE: 10/21/96

SAMPLE TYPE: SOIL PROJECT #: 96-34

PROJECT NAME: TNM 96-34

PROJECT LOCATION: MONUMENT, NM

ANALYSIS DATE: 10/21/96 SAMPLING DATE: 10/18/96

SAMPLE CONDITION: INTACT/COOL

		TPH	
ELT#	FIELD CODE	(mg/kg)	
9309	961018 BH3C	<b>35</b> 0	
9310	961018 ESW1C	120	
9311	961018 BH1C	140	
9312	961018 WSW2C	100	
9313	961018 ESW3C	140	
9314	961018 WSW3C	140	
	QUALITY CONTROL	1040	
	TRUE VALUE	1116	
	% PRECISION	95	

Methods: EPA 418.1

Michael R. Fowler

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### ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY ATTN: MR. TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 505-363-2636

RECEIVING DATE: 10/21/96

SAMPLE TYPE: SOIL PROJECT #: 96-34

PROJECT NAME: TNM 96-34

PROJECT LOCATION: MONUMENT, NM

**ANALYSIS DATE: 10/21/96** SAMPLING DATE: 10/18/96

SAMPLE CONDITION: INTACT/COOL

TPH ELT# FIELD CODE (mg/kg)

9315

961018-BACKGROUND

40

QUALITY CONTROL TRUE VALUE % PRECISION

1040

1116

95

Methods: EPA 418,1

Michael R. Fowler

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S REQUEST	CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST	Odessa, Texas 79763 FAX (915) 563-1713	Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763	Lab of Texas,	Environmental

transporturary (proposition)

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"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MÉXICO PIPE LINE COMPANY ATTN: MR. TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 505-363-2636

Receiving Date: 10/25/96 Sample Type: SOIL Project: TNM 96-34

Project Location: LEA, COUNTY, NM

Analysis Date: 10/25/96 Sampling Date: 10/25/96 Sample Condition: Intact/Iced

ELT#	FIELD CODE	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	m,p-XYLENE (mg/kg)	o-XYLENE (mg/kg)	TPH (mg/kg)
9400	96-10-25-3DBH	<0.100	<0.100	<0.100	<0.100	<0.100	100
%	IA EA ANK	109 107 <0.001	99 98 <0.001	97 96 <0.001	<b>92</b> 93 <0,001	92 92 <0.001	96  <10

METHODS: SW 846-8020,5030 , EPA 418.1

Excav Anothe 2' + Sampled Prev - 200 TAH

Relinquished by:	Relingiplished by:	Relinquished by:						9400 96.10-25.		102.002	Location	Project#: Thim-	Company Name & Address: ALLLSTATE SE	Project Masser: RANdy	Environmenta
Date	Date: 10-25-96	Date: 10-25-96						- 30 BH 1	FIELD CODE			46-34	SERVICES ENVIRONMENTAL,	orgista f	Environmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79
Times	12:05	Time: /o/5						\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	// CONTAINER  Volume/Amount  WATER  SOIL  AIR  SLUDGE  OTHER	×	Sampler Signature	Project Name :	ENTAL, MIDLAND,	Phone #: FAX #:	S, Inc. 12600 West I
Received by Laboratory:	Received by: Pale dr/wil	Receipt by MAS						7 70 25	HCL HNO3 ICE NONE OTHER	_¥ Ø		De:	, TEXAS	915/682-3546 915/682-4182	)West I-20 East Odessa, Texas 79 (915) 563-1800 FAX (915) 563-1
:		REMARKS						2 0240 2	TIME BTEX 8020/5	SAMPLING					763 713
		S Composite BOTTom Hol							TPH 418.1 TCLP Metals A Total Metals A TCLP Volatiles TCLP Semi Vo TDS RCI	Ag As Ba g As Ba				ANALYSIS REQUEST	CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST
		20													SIS REQUEST

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"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY ATTN: MR. TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 505-395-2636

Receiving Date: 10/30/96 Sample Type: SOIL Project: # TNM 96-34

Project Location: MONUMENT, NM

Analysis Date: BTEX 10/31/96 Analysis Date: TPH 10/30/96 Sampling Date: 10/30/96 Sample Condition: Intact/foed

ELT#	FIELD CODE	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYLBENZENE (mg/Kg)	m,p-XYLENE (mg/Kg)	o-XYLENE (mg/Kg)	TPH (mg/kg)
9437 9438 9439 9440 9441 9442 9443	961030-EWD 961030-EWC 961030-EWB 961030-EWA 961030-WWB 961030-SWA 961030-NWA	<0.100 <0.100 <0.100 <0.100 <0.100 <0.100 NR <0.100	<0,100 <0,100 <0,100 <0,100 <0,100 <0,100 NR <0,100	<0,100 <0,100 <0,100 <0,100 <0,100 <0,100 NR <0,100	<0.100 <0.100 <0.100 <0.100 <0.100 <0.100 NR <0.100	<0.100 <0.100 <0.100 <0.100 <0.100 <0.100 NR <0.100	<10 20 <10 <10 10 30 300 300
%	IA EA ANK	104 102 <0.001	99 103 <0.001	98 104 <0.001	99 105 <0.001	99 104 <0.001	97 - <10

NR= Not requested

METHODS: SW 846-8020,5030 , EPA 418.1

Michael R. Fowler

11-1-9¢ Date

Side WALL Samples around Enrice ExCAV

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Relinquished by:	Relinquished by:	Relinquished by:			GHAH 6	9443	9442	1446	0446	9439	9438	G437	(LAB #		Non	Project Location:	Project#:	Company Name & Address:	Project Manager:	Envi
	7	a Chrisica			761030	961030	201030	961030	96/030-	96 1030	961030	961030	7		Mehren	ori:		e & Addyred:	in the second	Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas
Dates	Date:	Date:			- NW	MC	) - WW	- EW	23	~ WW	1 (C) X	·EN	FIELD CODE		7	\		Et C	The street	al La
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		Sola											# CONTAINE	ERS						xas,
Times:	Thoes:	Times:											Volume/Amou	ınl						Inc
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		19											AIR SLUDGE	MATRIX	14	Sampl	Projec		Phone #: FAX #:	E6)
		'											OTHER		8	Sampler Signature:	Project Name		** *	West I-20 East (915) 563-1800
Receiv	Received by:	Received by:											HCL HNO3	PRE	6	infure:				20 Ea 3-180
Received by Laboratory:	ed by:	Callen			٧_	<	<	_	1	*	-	<u></u>	ICE	PRESERVATIVE METHOD			0			st Oc
abora	(	Q K						_				<u> </u>	NONE OTHER	TIVE	2					lessa, LX (9
tory:		1282/			1 0/2 1	10/201	10/20	10/201	10/301	10/20	10/20	10/30	DATE	SAMPLING	rab					Odessa, Texas 79763 FAX (915) 563-1713
	Ó	REMARKS			11.11	//: od	11:04	11:14	11:11	11:04	1/2/	11:11	TIME	LING		,				s 79763 63-1713
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	1	589 1						 					Total Metals /		Ba Co	Cr	Pb Hg S	Se .		-cust
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"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY ATTN: MR. TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 505-395-2636

RECEIVING DATE: 10/31/96

SAMPLE TYPE: SOIL PROJECT #: TNM 96-34

PROJECT NAME: TNM 96-34

PROJECT LOCATION: LEA COUNTY, NM

ANALYSIS DATE: 10/31/96 SAMPLING DATE: 10/31/96

SAMPLE CONDITION: INTACT/ICED

			TPH	
	ELT#	FIELD CODE	(mg/kg)	
*	9460	BHA2-96-10-31	8,600	
	9461	BHA3-96-10-31	220	
	9462	BHAB-2-96-10-31	160	
¥	9463	BHAB-3-96-10-31	6,310	
) k		BHCE-2-96-10-31	8,950	
	9465	BHDF-2-96-10-31	80	
	9466	BHD-2-96-10-31	100	
	9467	BHB-3-96-10-31	80	
	9468	BHB-2-96-10-31	80	
	9469	SWA-2-96-10-31	60	
			4000	
		QUALITY CONTROL	1090	
		TRUE VALUE	1116	
		% PRECISION	98	

Methods: EPA 418.1

Michael R. Fowler

1-1-96 Date

Bottom Hole West Side @ 16 Deptn

ALL others Bottom Hole EAST & South Depth 4-10'

Vironmental Lab of Texas, Inc. 12600 West 1-20 East Odesta, Texas 79763 (915) 563-1800 FAX (915) 563-1713           Langer And y Officed         Phase 8: 915/682-3446           And y Officed         Phase 8: 915/682-4482           Name Address         PRESENTICES ENVIRONMENTAL, MIDLAND, TEXAS           Name Address         Project Nume:           Control AL - 3 H         Project Nume:           PRESENTIVE SAMPLING         SAMPLING           RETHON         PRESENTIVE SAMPLING           BHA2 - 96-10-31         Internal Address         PRESENTIVE SAMPLING           BHA3 - 96-10-31         Internal Address         Internal Address         Internal Address           BHA3 - 96-10-31         Internal Address         Internal Address         Internal Address         Internal Address           BHA3 - 96-10-31         Internal Address         Internal Address         Internal Address         Internal Address         Internal Address           BHA5 - 3 96-10-31         Internal Address         Internal Address         Internal Address         Internal Address         Internal Address           BHA5 - 3 96-10-31         Internal Address         Internal A		:					<u> </u>		
Onmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763  (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)		]	Laboratory:	Receipt by		Imes:			elinguishe
Onmental Lab of Texas, Inc. 12600 West 120 East Odessa, Texas 79763  (215) 563-1800 FAX (915) 563-1713  The services environmental, MIDLAND, TEXAS  FAXTH: 915/682-3546  FAXTH: 9			ล	Received by		Imes			Relinquisber
TONIMENTAL Lab of Texas, Inc. 12600 West 1-20 East Odesta, Texas 79763  (915) 563-1800 FAX (915) 563-1713  TAME OFFI ELA  LETATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  TAME 42-34  FREDCODE  FREDC	KG	REMA	1-K ( )	Received by	10		36	Mus Date 10-	Relinquishe
Vironmental Lab of Texas, Inc. 12600 West 1-20 East Odesta, Texas 79763         (915) 563-1800       (915) 563-1800       FAX (915) 563-1713         Remarkablen:       PROBLET: 915/682-3546       FAX (915) 563-1713         New Address:       PROBLET: 915/682-3546       FAX (915) 563-1713         Name Address:       PRESERVICES ENVIRONMENTAL, MIDLAND, TEXAS         LLLSTATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS         TAMM- 46-3 H       PROBLET: 915/682-4182         TAMM- 46-3 H       PRESERVATIVE       Samplet Strature         MATRIX       PRESERVATIVE       SAMPLING         BHA3- 96-10-31       MATRIX       PRESERVATIVE       SAMPLING         BHA8-3 96-10-31       MATRIX       PRESERVATIVE       SAMPLING         BHA8-3 96-10-31       MATRIX       PRESERVATIVE       MATRIX         BHA8-3 96-10-31       MATRIX       PRESERVATIVE       MATRIX <tr< td=""><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td></tr<>				_					
Vironmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763         (915) 563-1800 FAX (915) 563-1713         Remark datum         New Address         LLLISTATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS         TAMM- 4L-34         FIELD CODE         AMAR-3-9L-10-31         BHAR-3-9L-10-31		12:15						A.Z	BHC51
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Vironmental Lab of Texas, Inc. 12600 West 1-20 East Odesta, Texas 79763         (915) 563-1800 FAX (915) 563-1713         Image: Phone #: 915/682-3546         And y O \$\frac{1}{2} \texas 2   \t		115		-		1	-	8H AB-3	SHES
VIRONIMENTAL Lab of Texas, Inc. 12600 West 1-20 East Odesta, Texas 79763  (915) 563-1800 FAX (915) 563-1713  PARAMENTAL MIDLAND, TEXAS  LLLISTATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  TWAN-4L-34  PROJECT Name:  TWAN-4L-34  PRESERVATIVE SAMPLING  SAMPLE SIGNATURE  MATRIX PRESERVATIVE SAMPLING  METHOD  FIELD CODE  TAMA2-9L-10-31  MATRIX PRESERVATIVE SAMPLING  ON DETAIL OF D		11:5:			-		_	BH A 8-2	2000
Vironmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phase ## 120 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phase ## 120 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phase ## 120 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phase ## 120 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phase ## 120 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phase ## 120 East Odessa, Texas 79763  Phase ##		11:47		7		-	_	-96-10-	61461
Dommental Lab of Texas, Inc. 12600 West 1-20 East Odesca, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX#: 915/682-3546 FAX#: 915/682-4182  Address  STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  FOJECT Name:  FIELD CODE    AND   AND   AND   AND   AND   AND		-		-		7	/	BHA2-96-10-3	09460
Inmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX #: 915/682-3546 FAX #: 915/682-4182  Address  STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  Froject Name:  Lea Con 17 No. 1707/100  Sampler Signature:  PRESERVATIVE  PRESERVATIVE	TPH 418.1 TCLP Metals Ag Total Metals Ag A TCLP Volatiles TCLP Semi Volat TDS		-	uci	SLUDGE	WATER	# CONTAINERS	<b>%</b> .	LAB#
vironmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX #: 915/682-4182  Nime & Address  LLLSTATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  Project Name:  Project Name:	As Ba Cd C		-	PRESER PROPERTY	Sampler Si	_	- Xic	Lea Conary n.	Project Lo
ntal Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX #: 915/682-4182  SERVICES ENVIRONMENTAL, MIDLAND, TEXAS					Project Na			Tum-96-3	Project#:
Inmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX #: 915/682-4182			S .	ł	IDLAND	i	IRONMEN	SERVICES	Company I
763 713	ANALYSIS REQUEST		2-35	15/68 15/68	ì			4	Frojeri M
·	CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST	xas 79763 563-1713	Odesza, Te FAX (915)	I-20 East ( 63-1800 )	2600 West 1 (915) 5	inc. 12	fexas,	vironmental Lab of	En

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"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY ATTN: MR. TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 505-395-2636

Receiving Date: 11/15/96 Sample Type: WATER Project: TNM 96-34

Project Location: LEA COUNTY N. MEXICO

Analysis Date: TPH 11/18/96 Analysis Date: BTEX 11/15/96 Sampling Date: 11/14/96 Sample Condition: Intact/Iced

ELT#	FIELD CODE	BENZENE (mg/l)	TOLUENE (mg/l)	ETHYLBENZENE (mg/l)	m,p-XYLENE (mg/l)	o-XYLENE (mg/i)	TPH (mg/l)
9586	96-11-14 B-H-WATER	<0.001	<0.001	<0.001	0.001	<0.001	3
							••
	% IA	92	92	92	92	94	98
	% EA	93	97	99	99	99	
	BLANK	<0.001	<0.001	<0.001	<0.001	<0.001	<1

METHODS: SW 846-8020,5030, EPA 418.1

Michael R. Fowler

	Times: Received by Laboratory:	Date:	Relinquished by:
Batton Hole WATER SAMPLY	0530 Received by: 10:05	Date: 11-14-96	Relinquished by:
		68	
16.5 / 3/	7	B-H-WATER Z	9586 6
TIME  BTEX 8()2()/ TPH 418.1 TCLP Metals TOTAL Metals A TCLP Volatile TCLP Semi V TDS RCI	Volume/Amoun WATER SOIL AIR SLUDGE OTHER HCL HNO3 ICE NONE OTHER DATE	FIELD CODE ONTAINER	LAB#
5030 Ag A	MATRIX PRESERVATIVE SAMPI		
s Ba (	Rangoffied	ounly N. Mexico	1 W27
	Sampler Signature:		Project Locations
		n.96-34	Tajan.
	TAL, MIDLAND, TEXAS	FATE SERVICES ENVIRONMENTAL,	Company Name & Address: ALLLSTATE
ANALYSIS REQUEST	Phone #: 915/682-3546 FAX #: 915/682-4182	era. Bokreca	Project Masser: RA
713 CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST	Environmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 179 (915) 563-1800 FAX (915) 563-1	mental Lab of Texas,	Enviro

أأداء وأناه والمراهدة فالأناء المعتمدة فالمدائلة المهوالية

### ENVIRONMENTAL LAB OF

"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY MR, TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 915-650-0624

Receiving Date: 11/08/96 Sample Type: SOIL Project : TNM 96-34

Project Location: LEA COUNTY, NM

Analysis Date: 11/11/96 Sampling Date: 11/08/98 Sample Condition: Intact /Cor

### TOLP METALS (ppm)

ELT#		Ąg	As	Ba	Cd	Cr.	Hg	Рb	Se
	EPA LIMIT	5.00	5.00	100.0	1.00	5.00	0.20	5.00	1.00
9509	STOCKPILE COMP, 96-11-7	<0.01	0.004	0.41	0.011	<0.03	<0.001	<0.1	<0.002
	MDL	0.02	0.002	0.10	0.005	0.03	0.001	0.10	0.002
(	% IA % EA	97 96	104 88	96 108	101 87	105 69	118 97	97 109	90 87

METHODS: EPA SW 846-1311,7760, 7062, 7080, 7130, 7190, 7470, 7420, 7742

HAZ WASte Det.

Environmental Lab of Texas, Inc. 12600 West 20 Each Olexan, Texa 79763  (B) \$62.1800 FAX (91) \$62.1711    Company New Addition:   ALLUSIATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS   AND AMALYSIS REQUEST					-			-			
Date: 17-8-96 There: Convert 1-20 Eart Odesta, Texts 79763 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713 (915) 583-1800 FAX (915) 583-1713		:	oratory:	eccived by Lab	25		ä	· 	ile.		Relinquished by:
### County N. Mayi 20 #### SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  ###################################		<u> </u>			_			-			
SIMMENTAL Lab of Texas, Inc. 12600 West 1:20 East Odesra, Texas 79763  (915) 563-1800 FAX (915) 563-1713  FROM PRICE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  FROM PRICE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  FROM PRICE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  FROM PRICE SERVATIVE  ACCURATY No. 100-100-100  FREED CODE  F				certed by:	R		ä	뒫	ate	a	Relinguished by:
### COCHATY N. 1905; 1-1   NATRIX   PRESERVATIVE SAMPLING FOR COMPOSITE   NATRIX	S	REMARKS	buck!	eccired by:	/ ج	84			11-8-9	Ý	Relinquished by:
### PRESERVATIVE SAMPLING FOR PRESERVATIVE S					·						
### DELPCODE  ### PELDCODE  ### PAGE 17: 25 9 15:00 FAX (915) 563-1713  ### PAGE 17: 25 9 15:00 FAX (915) 563-								_			
### STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  ###################################											
### PROPERTY OF PROPERTY OF TEXAS    Property Co. 12500 West1-20 East Odessa, Texas 79763 (915 563-1800 FAX (915) 563-1713								_			
### PROPERTY NO. MENTAL, MIDLAND, TEXAS  FIELD CODE  F											
######################################											
DIMMENTAL Lab of Texas, Inc. 12600 West 1:20 East Odesta, Texas 79763  (915) 563-1800 FAX (915) 563-1713    Proper Name #: 915/682-3546   FAX #: 915/682-3546   FAX #: 915/682-3546   FAX #: 915/682-4182   Address   SERVICES ENVIRONMENTAL, MIDLAND, TEXAS   STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS   Froject Name :    N 171-96-34   Sampler Signature   FRESERVATIVE   SAMPLING   FRESERVATIVE   FRESERVATIVE   FRESERVATIVE   SAMPLING   FRESERVATIVE   FRESERVAT											
Inmental Lab of Texas, Inc. 12600 West 1-20 East Odesta, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phose #: 915/682-3546  FAX #: 915/682-4182  Phose #: 915/682-4182  FAX #: 915/682-4182  FAX #: 915/682-4182  FROM FAX #:		1130	11-7	7	-				2-11-7	AB 4-	1
Inmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546  FAX #: 915/682-4182  A COUNTY N. M. YI CO  FIELD CODE  FIE	7	.	11-7	2		-		_	4-11-7	, U	
Inmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX#: 915/682-4182  Address  STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  Project Name:  A County N. Meyico Matrix Preservative Sampler Signature  A County N. Meyico Matrix Preservative Sampling  FIELD CODE  FIELD			111-7	7	-		-	_	76-11-7	4	8
Inmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX#: 915/682-3546 FAX#: 915/682-4182  Address  STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  Froject Name:  The County N. Mayi Co  Respect Signature:  A County N. Mayi Co  Respect Value  FRESERVATIVE FRESERVATIVE FRESERVATIVE FRESERVATIVE SAMPLING  FRESER VALUE  FRE	(	1145	11-7	<	-		-		Composite	Tock Pile	509 5
Inmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX #: 915/682-4182  Address  STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  Project Name:  A County N. Mayico Matrix Preservative Sampler Signature  A County N. Mayico Matrix Preservative Sampling	TPH 418 TCLP Metal Total Metal: TCLP Volal TCLP Semi	<u> </u>	<del> </del>	HNO3	OTHER	AIR	WATER .		iπ	•	LAB #
Inmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX #: 915/682-3546 FAX #: 915/682-4182  STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  Froject Name:  Recurry N. Meyico Rank Office  A County N. Meyico Rank Office	.1 Is Ag A s Ag As Illes	LING	-	METHOD	-	- XIRIX					
### 1.200 West 1.20 East Odessa, Texas 79763  (915) 563-1800 FAX (915) 563-1713    Phone #: 915/682-3546     FAX #: 915/682-4182     Address   STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS     Project Name:     N 191-96-34     Sampler Signature:	s Ba C	0	e	all	100	1	Ó	X.	N.m.	Cou	
nmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX #: 915/682-4182  Address STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS  Project Name:  Project Name:				are	e Signati	Sampk					Project Location
nmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX #: 915/682-4182  Address: STATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS					Name:	Project			w	7-9	Project#:
nmental Lab of Texas, Inc. 12600 West 1-20 East Odessa, Texas 79763 (915) 563-1800 FAX (915) 563-1713  Phone #: 915/682-3546 FAX #: 915/682-4182				TEXAS	ì	IDLA	İ	MENT/		• •	Company Name & . ALLLS
763 713	ANALYSIS REQUEST		546 182		9 9	Phone !	7. 1		072.	udy Off	Froject Manager:
	hain-of-custody record and analysis request	763 713	sa, Texas (915) 56:	East Odes 1800 FAX	st I-20 5) 563-1	2600 Wa	1C. 1	s, li	ab of Texa	nmental L	Enviro

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# ENVIRONMENTAL

"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY ATTN: MR, TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 915-650-0624

Receiving Date: 11/08/96 Sample Type: SOIL

Project: TNM 96-34

Project Location: LEA, COUNTY, NM

Analysis Date: 11/08/96 Sampling Date: 11/07/96 Sample Condition: Intact/Iced

	ELT#	FIELD CODE	BENZENE (mg/kg)	TOLUENE (ma/ka)	ETHYLBENZENE (mg/kg)	m,p-XYLENE (mg/kg)	o-XYLENE (mg/kg)	TPH (mg/kg)
	9509	Stockpile composite 96-11-7	<0.100	0.131	<0.100	0.582	0.296	6,070
	/ 9510	•	NR	NR	NR	NR	NR	200
*	≥ 9511	BHC-396-11-7	NR	NR	NR	NR	NR	270
7	( 9512	BHAB14 98-11-7	NR	NR	NR	NR	NR	310
	1000 1000年時間							
		% IA % EA BLANK	86 99 <0.001	88 101 <0.001	89 99 <0.001	90 99 <0.001	90 100 <0.001	98 80 <10

NR= Not Requested

METHODS: SW 846-8020,5030 , EPA 418.1

Bottom Hole West Depth @ 20'



"Don't Treat Your Soil Like Dirti"

TEXAS NEW MEXICO PIPE LINE COMPANY ATTN; MR. TONY SAVOIE P.O. BÖX 1030 JAL, NM 88252 FAX: 915-850-0624

Receiving Date: 11/08/98 Sample Type: SOIL Project: TNM 96-34

Project Location LEA COUNTY N. MEXICO

Analysis Date: 11/11/96 Sampling Date: 11/07/96 Sample Condition: Intact/load

ĖLŤ#,	Field Code	REACTIVE HZS		CÓŘŘÓSIVITY (s.u.)	IGNITABILITY
ا ما ياليون		NON-REA (ppm)	CTIVE (ppm)	NON-CORROSIVE	
9509	STÖCKPILE COMP. 96-11-7	<10.0	₹2.5	Non Corrosive 8.15	>140 deg. F
H	and the second s	0	Ö	<b>0</b>	0
	STRUMENT ACCURACY			110	

METHODS: EPA SW-846-2,1.3,2.1.2,2.1.1

Michael R Fowler

"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY MŘ. TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX: 505-395-2636

Receiving Date: 11/22/96 Sample Type: WATER Project: TNM 96-34

Project Location: LEA COUNTY N, MEXICO

Analysis Date, TPH 11/25/96 Analysis Date, BTEX 11/22/96 Sampling Date: 11/22/96

•	_		
Sample	e Con	dition:	Intact/lced

ELT#	FIELD CODE	BENZENE (mg/l)	TOLUENE (mg/l)	ETHYLBENZENE (mg/l)	m,p-XYLENE (mg/l)	o-XYLENE (mg/l)	TPH (mg/l)
9643	96-11-22 BH WATER	0.004	0.013	0.002	0.010	0.004	3
	% IA	112	99	96	95	95	99
	% EA BLANK	107 <0.001	93 <0.001	94 <0.001	93 <0.001	92 <0.001	 <1

METHODS: SW 846-8020,5030 , EPA 418.1

"Don't Treat Your Soil Like Dirt!"

TEXAS NEW MEXICO PIPE LINE COMPANY MR. TONY SAVOIE P.O. BOX 1030 JAL, NM 88252 FAX; 505-395-2636

Receiving Date: 11/22/96

Sample Type: SOIL Project: TNM 96-34

Project Location: LEA COUNTY N. MEXICO

Analysis Date:11/25/98

Sampling Date: 11/22/96

Sample Condition: Intact/Iced

TPH DIESEL RANGE ORGANICS

 ELT#
 FIELD CODE
 (mg/kg)

 9644
 96-11-22
 SOIL COMP TRENCH
 39.8

QUALITY CONTROL 1307
TRUE VALUE 1337
% PRECISION 98

BLANK <10

METHODS: SW 846-8015 M DRO

Michael D. Fouder