

1R - 134

REPORTS

DATE:

1996

Date: November 23, 1996

Mr. Roger Anderson
Env. Department NMOCD

Ref. TNM-96-34

RECEIVED

DEC 02 1996

Environmental Lab
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 be 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. A. Savoie
John A. Savoie
TNMPLCO.

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

WELL API NO.

5. Indicate Type of Lease

STATE ☒

FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name

1. Type of Well:

OIL
WELL ☐

GAS
WELL ☐

OTHER

2. Name of Operator

Texas-New Mexico Pipeline Co.

8. Well No.

3. Address of Operator

P.O. Box 60028 San Angelo TX, 76906-0028

9. Pool name or Wildcat

4. Well Location

Unit Letter _____ : _____ Feet From The _____ Line and _____ Feet From The _____ Line

Section

32

Township

19 S

Range

37 E

NMPM

Lea

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☒

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐

CASING TEST AND CEMENT JOB ☐

OTHER: _____

OTHER: _____

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

See Attached Report To Begin Soil Shredding to
Separate Rocks From Soil & Begin placement of the Rock
back into the Excavation

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

John A. Savoie

TITLE

Senior Tech

DATE

11/11/96

TYPE OR PRINT NAME

John A. Savoie

TELEPHONE NO.

505-395-2705

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**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.

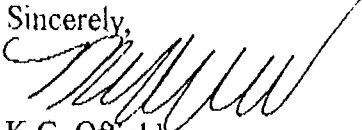
Page Four

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.

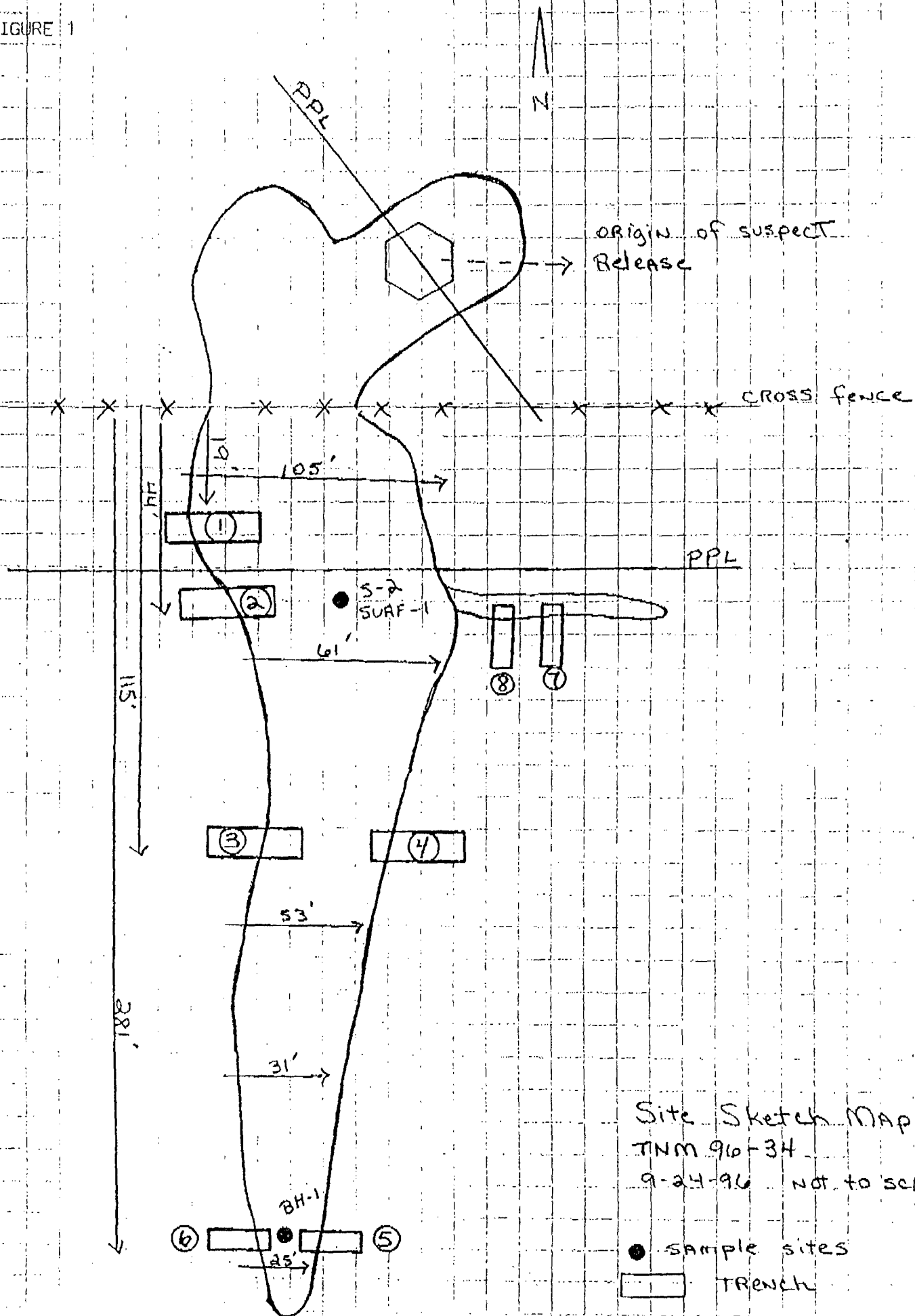
Sincerely,



K.C. Offield
Allstate Services Environmental

APPENDIX "A"

FIGURE 1



ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

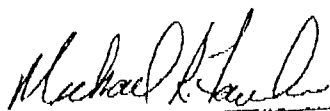
TEXAS NEW MEXICO PIPE LINE COMPANY
ATTN: MR. TONY SAVOIE
P.O. BOX 1030
JAL, NM 88252
FAX: 505-395-2636

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/loose

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	96-10-11-B-H 2A	<0.100	<0.100	<0.100	0.153	<0.100	80
9220	96-10-11 WSW 3A	<0.100	<0.100	<0.100	<0.100	<0.100	490
9221	96-10-11 BH 1A	<0.100	<0.100	<0.100	0.355	0.263	320
9222	96-10-11 ESW 3A	<0.100	<0.100	0.105	0.189	<0.100	280
9223	96-10-11 WSW 2A	<0.100	<0.100	<0.100	0.131	<0.100	210
9224	96-10-11 BH 3A	<0.100	<0.100	0.300	2.340	1.232	320
9225	96-10-11 ESW 2A	<0.100	0.184	0.118	1.052	0.512	70
9226	96-10-11 ESW 1A	0.117	<0.100	<0.100	0.158	<0.100	190
9227	96-10-11 WSW 1A	<0.100	<0.100	0.216	2.114	0.996	50
% IA		103	92	92	85	85	103
% EA		118	109	105	101	100	72
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001	<10

METHODS: SW 846-8020,5030 . EPA 418.1



Michael R. Fowler

10-15-96
Date

Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763

(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: *Randy O'Field*

Phone #: 915/682-3546
FAX #: 915/682-4182

ANALYSIS REQUEST

Company Name & Address:

ALLSTATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS

Project #:

7mm 96-34

Project Name:

Project Location:

MOVEMENT, New Mexico

Sampler Signature:

Randy O'Field

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX						PRESERVATIVE METHOD	SAMPLING	DATE	TIME	BTEx 8020/503	TPH 418.1	TCLP Metals Ag A	Total Metals Ag As	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Relinquished by:

Randy O'Field

Date: 10-11-96

Time: 1:30

Received by:

Randy O'Field

REMARKS

Relinquished by:

Tracie (L) ...

Date:

12/14/96

Time:

12:25

Received by:

Tracie (L) ...

Relinquished by:

Date:

Time:

Received by Laboratory:

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil 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

ELT#	FIELD CODE	TPH (mg/kg)
9261	961015-WSW1	<10
9262	961015-WSW2	20
9263	961015-WSW3	630
QUALITY CONTROL		1115
TRUE VALUE		1118
% PRECISION		100

Methods: EPA 418.1


Michael R. Fowler

10-17-96
Date

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

ANALYSIS REQUEST

Chrimant NH

RCI

Received by Laboratory:

ENVIRONMENTAL LAB OF , INC.

"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

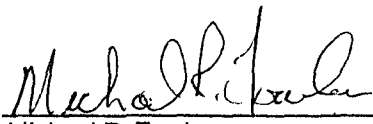
Receiving Date: 10/21/96
Sample Type: SOIL
Project: 96-34
Project Location: MONUMENT, NM

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

ELT#	FIELD CODE	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYLBENZENE (mg/Kg)	m,p-XYLENE (mg/Kg)	o-XYLENE (mg/Kg)
9312	961018 WSW2C	0.252	0.152	0.269	0.384	0.293

% IA	104	93	91	87	88
% EA	99	89	86	83	83
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: SW 846-8020,5030


Michael R. Fowler

10-27-96
Date

ENVIRONMENTAL LAB OF , INC.

"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

ELT#	FIELD CODE	TPH (mg/kg)
9309	961018 BH3C	350
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

10-22-96
Date

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

ANALYSTS REQUEST

ALLSTATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS

Project Name:

Sampler Signature:

Alida Zwickel

[illegible]

REMARKS

Received by:

Received by Laboratory:

ENVIRONMENTAL LAB OF , INC.

"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

ELT#	FIELD CODE	TPH (mg/kg)
9315	961018-BACKGROUND	40

QUALITY CONTROL	1040
TRUE VALUE	1116
% PRECISION	95

Methods: EPA 418.1


Michael R. Fowler

10-21-96
Date

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

ANALYSIS REQUEST

RCI

RCI

REMARKS

Received by:

Received by Laboratory:

ENVIRONMENTAL LAB OF , INC.

"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: 10/25/96
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)	ETHYL BENZENE (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	109	99	97	92	92	96
% EA	107	98	96	93	92	--
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001	<10

METHODS: SW 846-8020,5030 , EPA 418.1


Michael R. Fowler

10-28-96
Date

Excav Another 2' & Sampled Prev - 200 TPH

(915) 563-1800 FAX (915) 563-1713

Project Manager: *Randy Offield*

Phone #: 915/682-3546

FAX #: 915/682-4182

Phone #: 915/682-3546
FAX #: 915/682-4182

ANALYSIS REQUEST

Company Name & Address:

ALLSTATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS

Project #: TNM-96-34

Project Name :

Project Location

Sample Signatures

LEA. COUNTY NEW MEXICO

Handy Office

[illegible]

Reviewed by:

Date: _____

Times:

Received by

REMARKS

Composite Bottom Hole

Relinquished by:

Date: _____

There:

Received by:

Relinquished by:

Date _____

Trace:

Received by

References

ENVIRONMENTAL LAB OF , INC.

"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/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)
9437	961030-EWD	<0.100	<0.100	<0.100	<0.100	<0.100	<10
9438	961030-EWC	<0.100	<0.100	<0.100	<0.100	<0.100	20
9439	961030-WWA	<0.100	<0.100	<0.100	<0.100	<0.100	<10
9440	961030-EWB	<0.100	<0.100	<0.100	<0.100	<0.100	<10
9441	961030-EWA	<0.100	<0.100	<0.100	<0.100	<0.100	10
9442	961030-WWB	<0.100	<0.100	<0.100	<0.100	<0.100	30
9443	961030-SWA	NR	NR	NR	NR	NR	300
9444	961030-NWA	<0.100	<0.100	<0.100	<0.100	<0.100	30
% IA		104	99	98	99	99	97
% EA		102	103	104	105	104	-
BLANK		<0.001	<0.001	<0.001	<0.001	<0.001	<10

NR= Not requested

METHODS: SW 846-8020,5030 , EPA 418.1


Michael R. Fowler

10-1-96
Date

Side WALL Samples around Entire EXCAV

Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763

(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Phone #:

FAX #:

Company Name & Address:

Project #:

Project Name:

Project Location:

Sampler Signature:

LAB #
(LAB USE ONLY)

FIELD CODE

CONTAINERS

Volume/Amount

WATER

SOIL

AIR

SLUDGE

OTHER

HCL

HNO3

ICE

NONE

OTHER

DATE

TIME

MATRIX

PRESERVATIVE METHOD

SAMPLING

BTEX 8020/5030

TPH 418.1

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

Total Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

TDS

RCI

ANALYSIS REQUEST

Relinquished by:

Date:

Time:

Received by:

REMARKS

Relinquished by:

Date:

Time:

Received by:

Relinquished by:

Date:

Time:

Received by Laboratory:

REMARKS: if TPH is 140 ppm or less - Run BTEX

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

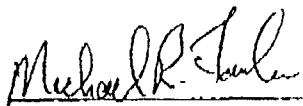
TEXAS NEW MEXICO PIPE LINE COMPANY
ATTN: MR. TONY SAVOIE
P.O. BOX 1030
JAL, NM 88252
FAX: 505-395-2636

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

ELT#	FIELD CODE	TPH (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
* 9464	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
QUALITY CONTROL		1090
TRUE VALUE		1116
% PRECISION		98

Methods: EPA 418.1


Michael R. Fowler

11-1-96
Date

* Bottom Hole West Side @ 16' Depth

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

ENVIRONMENTAL LAB OF , INC.

"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/l)	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

11-18-96
Date

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Phone #: 915/682-3546
FAX #: 915/682-4182

ANALYSTS REQUEST

ALLSTATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS

Project Name:

Item 96-34

Sample Signatures:

La C County N. Mexico

RECEIVED

[illegible]

Time: 0530

REMARKS

Handy 0 Mili

76-61-11

9

10:05

Bottom Hole Water Sample

Relinquished by:

Date: _____

Time:

Received by:

Relinquished by:

Date: _____

Times:

Received by Laboratory:

ENVIRONMENTAL LAB OF , INC.

"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: 11/08/96
Sample Condition: Intact / Cor

TCLP METALS (ppm)

ELT#	Field Code	Ag	As	Ba	Cd	Cr	Hg	Pb	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		97	104	96	101	105	118	97	90
% EA		96	88	108	87	69	97	109	87

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


Michael R. Fowler

11-11-96
Date

HAZ WASTE Det.

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Phone #: 915/682-3546
FAX #: 915/682-4182

ANALYSIS REQUEST

Company Name & Address:

ALLSTATE SERVICES ENVIRONMENTAL, MIDLAND, TEXAS

Project Name:

TNR-96-34

Project Location

Sample Signature:

Lea County N. Mexico

Frank Oliver

[illegible]

Referred by:

Date 11-8-96

Time: 0845

Received by:

REMARKS

R. H. H. H.

Revised by:

Date:

Times

Received by:

Relinquished by:

Date

Track:

Received by Laboratory:

ENVIRONMENTAL LAB OF , INC.

"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

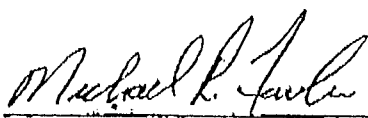
Receiving Date: 11/08/96
Sample Type: SOIL
Project: TNM 96-84
Project Location: LEA, COUNTY, NM

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

ELT#	FIELD CODE	BENZENE (mg/kg)	TOLUENE (mg/kg)	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	BHA-4 96-11-7	NR	NR	NR	NR	NR	200
9511	BHC-3 96-11-7	NR	NR	NR	NR	NR	270
9512	BHA5-4 96-11-7	NR	NR	NR	NR	NR	310

% IA	88	88	89	90	90	98
% EA	99	101	99	99	100	80
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001	<10

NR= Not Requested
METHODS: SW 846-8020,5030 . EPA 418.1


Michael R. Fowler

11-11-96
Date

* Bottom Hole west Side
Depth @ 20'

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

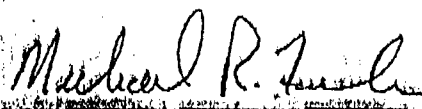
TEXAS NEW MEXICO PIPE LINE COMPANY
ATTN: MR. TONY SAVOIE
P.O. BOX 1030
JAL, NM 88252
FAX: 915-850-0624

Receiving Date: 11/08/96
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/loose

ELT#	Field Code	REACTIVITY		CORROSIVITY	IGNITABILITY
		H ₂ S	CN-	(s.u.)	
		NON-REACTIVE	NON-CORROSIVE		
		(ppm)	(ppm)		
9509	STOCKPILE COMP. 96-11-7	<10.0	<2.5	Non Corrosive 8.15	>140 deg. F
		0	0	0	0
				110	

METHODS: EPA SW-846-2.1.3, 2.1.2, 2.1.1


Michael R. Fowler

11-11-96
Date

ENVIRONMENTAL LAB OF , INC.

"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

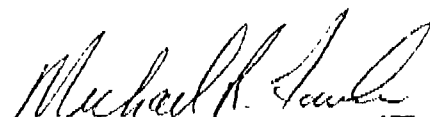
Receiving Date: 11/22/96
Sample Type: WATER
Project: TNM 96-34
Project Location: LEA COUNTY N. MEXICO

Analysis Date: TPH 11/25/96
Analysis Date: BTEX 11/22/96
Sampling Date: 11/22/96
Sample Condition: Intact/Iced

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	107	93	94	93	92	--
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001	<1

METHODS: SW 846-8020,5030 , EPA 418.1


Michael R. Fowler

11-25-96
Date

ENVIRONMENTAL LAB OF , INC.

"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: 11/25/96
Sampling Date: 11/22/96
Sample Condition: Intact/Iced

ELT#	FIELD CODE	TPH DIESEL RANGE ORGANICS (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 R. Fowler

11-25-96
Date

Depth 20' Composite of Clay + Sand
At water Table