SITE INVESTIGATION, REMEDIATION, AND FINAL C-141 CLOSURE DOCUMENTATION

MARATHON LEA TO LYNCH STATION
EOTT REF: #2002-10212

UL-M SW¼ OF THE SW¼ OF SECTION 12 T20S R34E

~24 MILES WEST-SOUTHWEST (BEARING 250°) OF HOBBS, LEA COUNTY, NEW MEXICO

LATITUDE: 32°34'59.46"N LONGITUDE: 103°31'10.94"W

MAY 5, 2003

PREPARED BY:

John Good
Environmental Consultant
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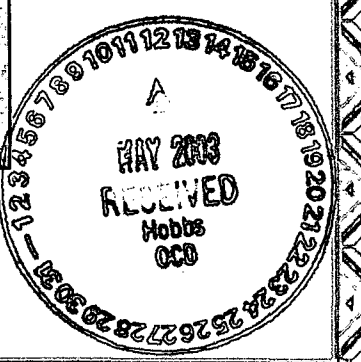


ENVIRONMENTAL PLUS, INC. Micro-Blaze Micro-Blaze Oil™
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

ENVIRONMENTAL PLUS, INC.

May 5, 2003

Mr. Larry Johnson
Energy, Minerals, and Natural Resources Department
New Mexico Oil Conservation Division
1625 North French Dr.
Hobbs, New Mexico 88240

Subject: EOTT "Marathon Rd Lea to Lynch Station" Final C-141 and Closure Documentation
EOTT Site Reference: 2002-10212

Dear Mr. Johnson:

Environmental Plus, Inc. (EPI), on behalf of EOTT Energy Company, submits for your consideration and approval the Final C-141 and Closure Documentation for the "Marathon Rd Lea to Lynch Station" remediation site (EOTT Reference: 2002-10212). This report documents the vertical and horizontal extents of hydrocarbon contamination at the site, removal of contaminated soils down to the 20-ft bgs excavation level, disposal of said contaminated soils at Controlled Recovery Inc., and placement of a 2-ft compacted clay barrier over contaminated soils left in place (20-ft to 33-ft bgs) consistent with the NMOCD approved "EOTT General Work Plan for Remediation of EOTT Pipeline Spills, Leaks and Releases in New Mexico, July 2000." Environmental Plus, Inc., on behalf of EOTT, therefore requests that the NMOCD consider the information provided within this documentation and require "no further action" at this site.

If there are any questions please call Mr. Ben Miller or myself at EPI's offices, or at 505-390-0288 or 505-390-9804 respectively. Mr. Frank Hernandez of EOTT Energy Company can be contacted at 915-638-3799.

All official correspondence should be addressed to:

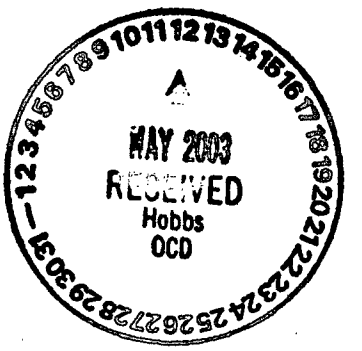
Mr. Frank Hernandez
EOTT Energy Company
P.O. Box 1660
Midland, Texas 79703

Sincerely,

John Good

John Good
EPI Environmental Consultant

cc: Frank Hernandez, EOTT Energy (w/enclosure)
William Von Drehle, EOTT Energy (w/enclosure)
Sherry Miller, EPI President
Ben Miller, EPI Vice President and General Manager
Pat McCasland, EPI Technical Manager
File



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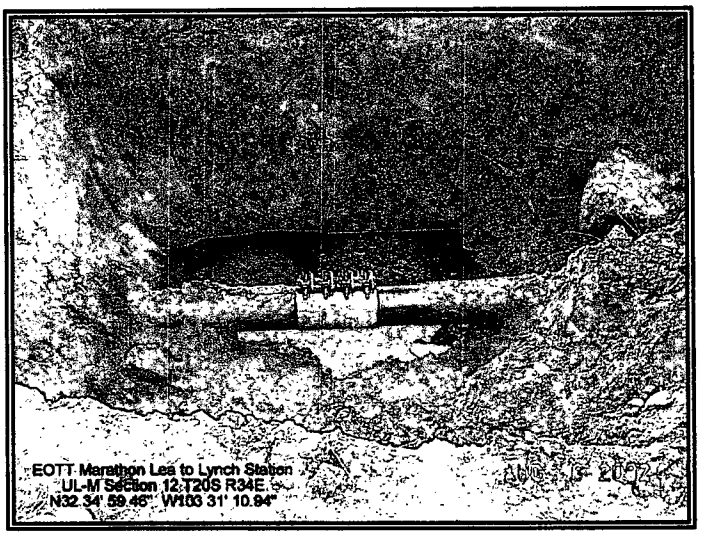
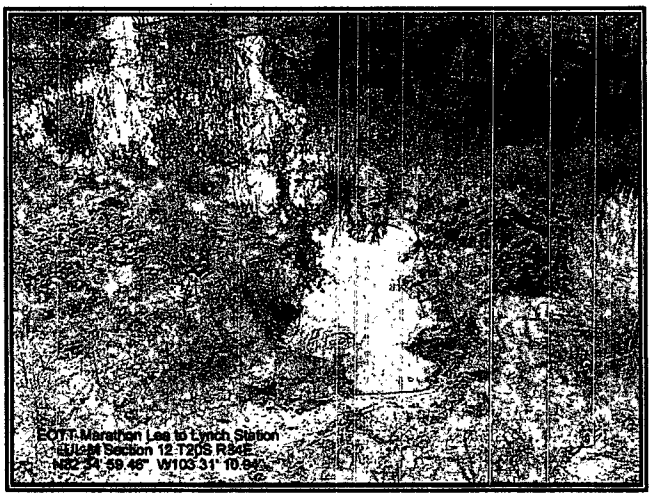
Executive Summary

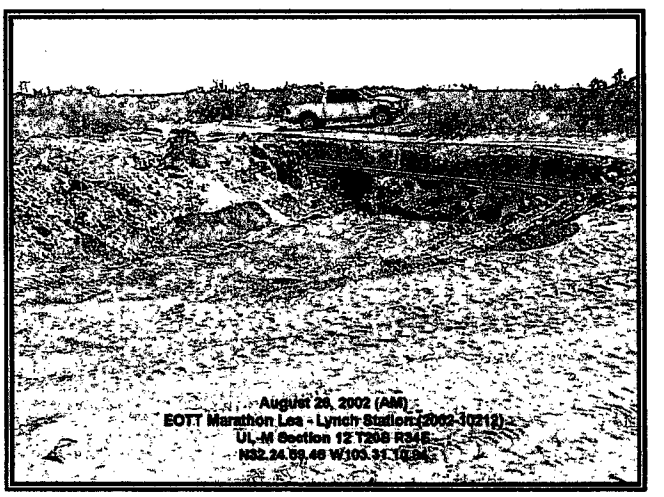


Environmental Plus, Inc. (EPI) was notified by EOTT Energy Company (EOTT) on August 6, 2002 regarding a crude oil pipeline release and remediation project along EOTT's "Marathon Road Lea to Lynch Station" gathering pipeline (EOTT Reference 2002-10212). EOTT's Incident Report and Initial NMOCD C141 Form indicate a spill of approximately 165 bbl with 145 bbl recovered. The leak was a result of pipeline corrosion. The pipeline was temporarily repaired by clamping and eventually replaced with a new section.

Characterization and remedial work at the site was performed by EPI during the period 06-Aug-02 through 21-Apr-03. The "Marathon Lea to Lynch" site is located ~24 miles west-southwest of Hobbs, NM in UL-M, Section 12 T20S R34E. The initial visible surface extent of the spill was approximately 5,220 ft^2. The vertical extent of contamination (above remedial goals) ranged from 20-ft bgs in the western portion of the flow path, down to ~33-ft at the eastern extent of the site, associated with the spill source. The NMOCD Site Characterization Matrix for this site is "10" due to an estimated depth to ground water of ~100-ft bgs. The spill occurred on property owned Kenneth Smith, d.b.a. Kenneth Smith Inc.

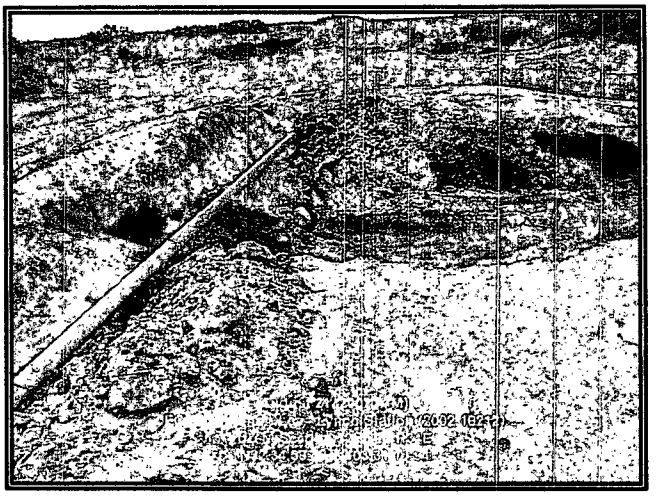


Analytical data obtained from 15 boreholes (BH1-BH15), drilled from the 20-ft bgs level down to the 40-ft bgs level, indicate that the western section of the excavation was clean at the 20-ft bgs level and the eastern portion was significantly contaminated down to ~33-ft bgs. All borehole and composite soil analyses for this project were performed by Environmental Lab of Texas, Odessa, TX. Due to the engineering requirements and inordinate expense of extending the excavation down to the 33-35-ft bgs level, EOTT opted to complete the remediation of the site with the placement of a 2-ft impermeable layer of compacted clay, with the associated VADSAT Risk Assessment of the site



The VADSAT 3.0 Risk Assessment Model (1000-year projection) was generated for the site with, and without, the clay barrier installed. Results of the computer generated risk models indicate there is no risk presented to the aquifer at this site with the remediation option selected.

All contaminated soil removed from the site was disposed of at the NMOCD approved Controlled

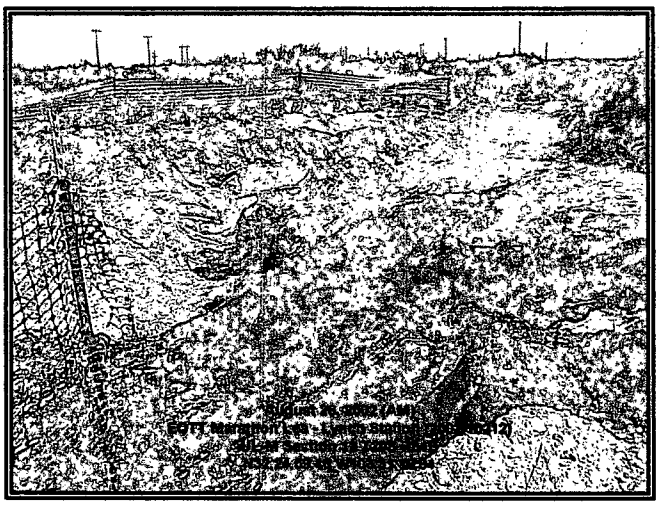


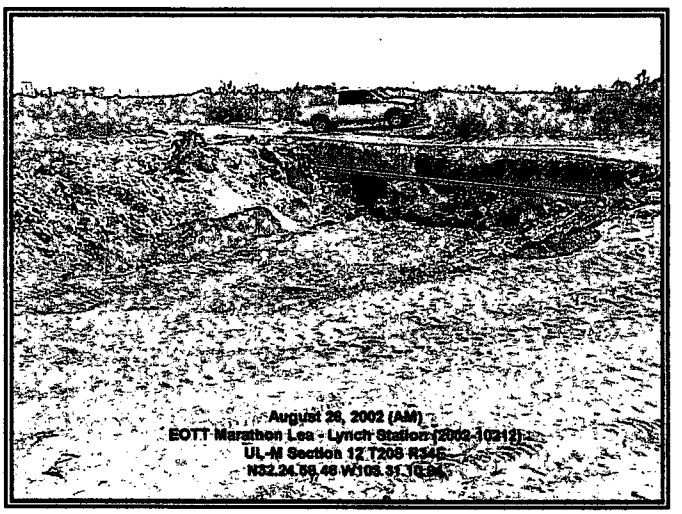
Recovery Inc. Surface Waste Management Facility. The excavation was backfilled with clean caliche and topsoil purchased from the landowner. The site was contoured to prevent pooling over the excavation site. The surface damaged area will be evaluated for new vegetative growth in Spring-2003 and reseeded with natural grasses if determined necessary.

1.0 Introduction

This document addresses the initial site characterization, site excavation, vertical contaminant delineation and the "impermeable clay barrier" closure of the EOTT Energy "Marathon Lea to Lynch" (EOTT Reference 2002-10212) pipeline release site. Environmental Plus, Inc. (EPI), Eunice, New Mexico commenced the initial site characterization and delineation process at this site on August 6, 2002. The Initial NMOCD C-141 Form (August 14, 2002) indicates a crude oil release of 165 bbl with 140 bbl recovered. The remediation and closure activities for this site encompassed the following for the duration of the project:

- Initial, interim and final GPS demarcation of the release site with relevant surface and excavation features. *(See Plate 3, Attachments)*
- Excavation and disposal of 4,900 yd^3 of contaminated soil. The final excavation (20-ft depth) had an approximate areal extent of 11,600-ft^2. *(See Plate 3, Attachments)*
- Drilling and sampling of 15 boreholes from the 20-ft bgs level down to 40-ft bgs within the extents of the excavation to determine contaminant extent beyond the 20-ft bgs level. *(See Plates 4-7, Attachments)*
- Risk Assessment (VADSAT 3.0) for the potential of ground water contamination at the site utilizing a conservative parameter protocol. The site was assessed both with and without the presence of an impermeable clay barrier (2-ft). Based on the results of the VADSAT 3.0 Risk Assessment Model, EPI (on behalf of EOTT) proposed and received approval to close the site with the placement of a 2-ft compacted and certified clay barrier at the 20-ft bgs level.
- Installation of a 2-ft compacted clay barrier at the 20-ft bgs level, installed with two 1-ft



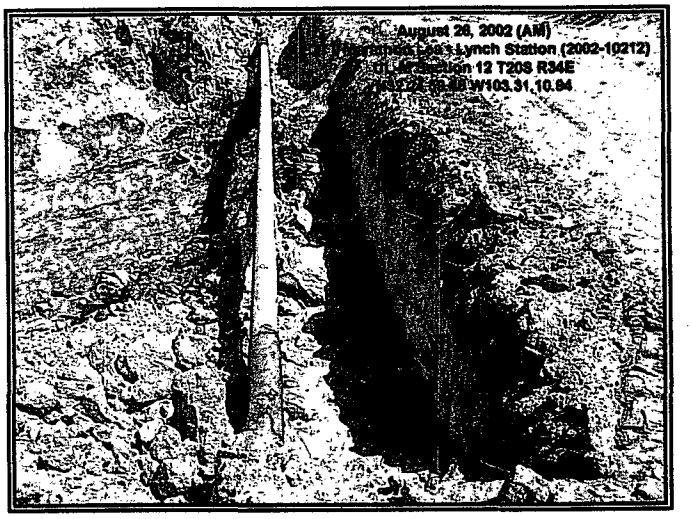


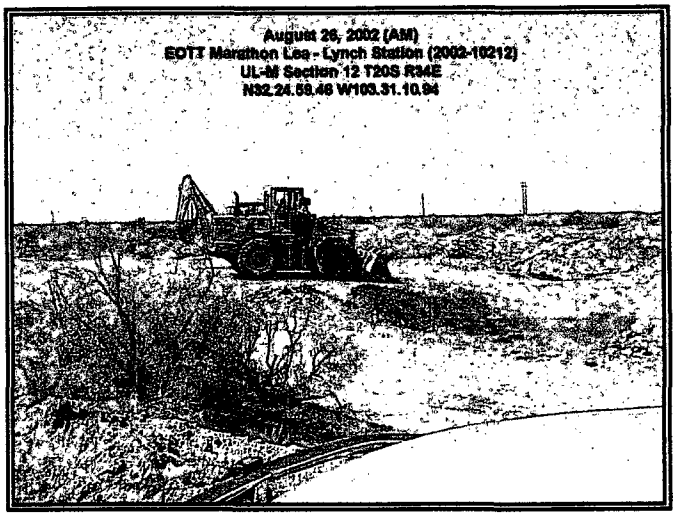
layers, each certified for compaction percentage by a professional engineer.

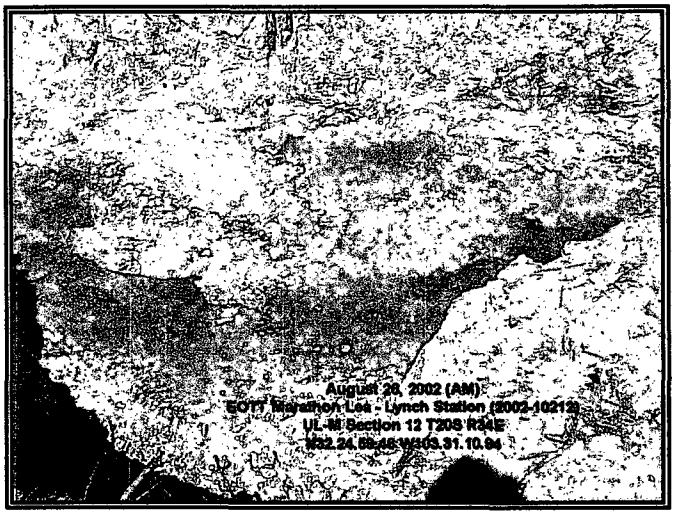
- Backfilling of the excavation with clean caliche and top-soil purchased from the property-owner. The site was contoured to allow proper run-off and prevent pooling on April 21, 2003.

2.0 Background

Environmental Plus, Inc. (EPI) was notified by EOTT Energy Company (EOTT) on August 6, 2002 regarding a remediation project located immediately south of EOTT's Lynch Station facility. The site is designated "Marathon Road Lea to Lynch", and has the EOTT reference number of 2002-10212. The release is located on land owned and operated by Kenneth Smith, Inc. The initial C-141 Form for this project was submitted to NMOCD on August 14, 2002. The initial response consisted of flow-path containment, recovery of 140 bbl of pooled crude oil and the preliminary excavation/stockpiling of grossly contaminated soil on a plastic barrier. Due to the sandy nature of the soil, the lateral extents of hydrocarbon contamination were easily discernable. The east end of the site was excavated to a depth of 20-ft and the west end was excavated to a depth of 15-ft. At this point in time it was obvious that the contamination in the east end of the excavation extended well beyond the 20-ft excavation bottom. The decision was made to delineate the vertical extent of contamination from the bottom levels of the excavation (20-ft and 15-ft). Soil analyses of 15 boreholes indicated that the contamination in the east end extended to 30-33-ft and in the west end from 15-20-ft. The west end was excavated down to 20-ft to remove this portion from consideration and the project was temporarily halted to allow time to evaluate closure options for the deeply contaminated east end of the excavation.

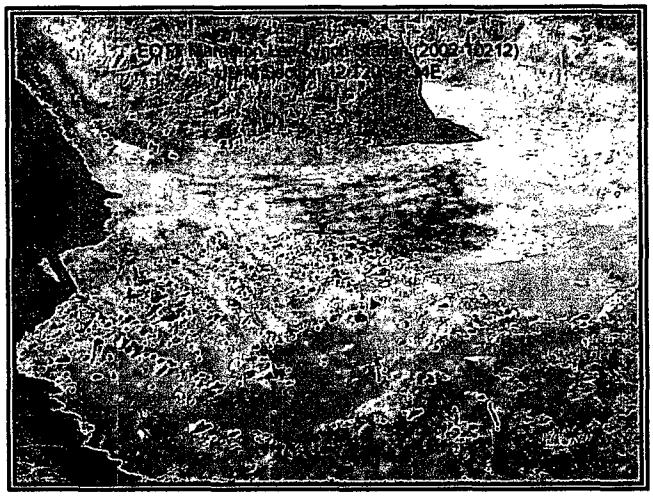






EPI submitted a VADSAT risk assessment and proposal to close the site with a clay barrier to NMOCD on April 4, 2003. The proposal was approved by Mr. Larry Johnson, NMOCD Environmental Engineer on April 8, 2003 *(page 24, Attachments)*. The clay barrier (329-tons, *Plate 6, Attachments*) was installed with two 1-ft layers, each layer being certified for >97% compaction by Pettigrew and Associates Engineering firm, Hobbs, NM *(pages 25-26, Attachments)*. Upon completion of the impermeable clay barrier, the excavation was backfilled with 4242-yd^3 of clean caliche and 608-

yd^3 of clean topsoil, both purchased from Kenneth Smith, Inc. The project was completed on April 21, 2003 with the final contouring of the surface extents. Surface damage at the site location encompassed 21,970-ft^2 *(see Plate 3, Attachments)*.



3.0 Site Description

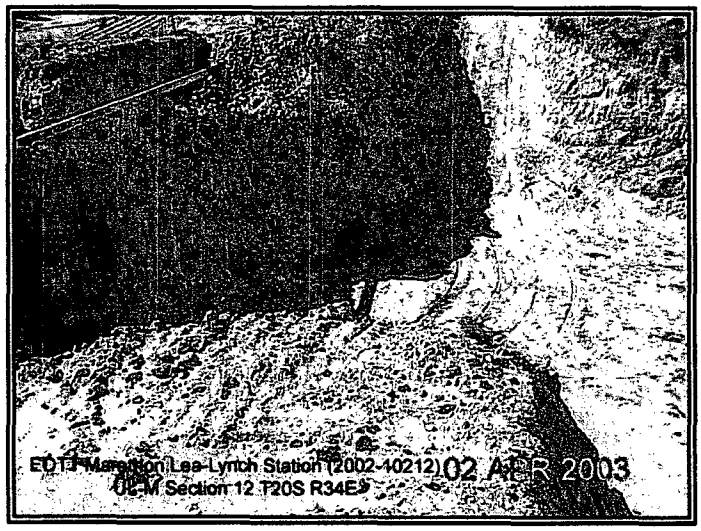
3.1 Site Location

The EOTT "Marathon Road Lea to Lynch" is located in UL-M of Section 12 T20S R34E. The site is approximately 770-ft from the west section line and 1000-ft from the south section line. The Latitude and Longitude coordinates are: 32°34'59.46"N; 103°31'10.94"W. The land is owned by Kenny Smith, d.b.a. Kenneth Smith Inc. 267 Smith Ranch, Hobbs, NM 88240. *(Plates 1, 2 and 3, Attachments)*

3.2 Geohydrology

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and generally overlain by sandy soil. The release site is located in the Laguna Valley physiographic subdivision, described by Nicholson & Clebsch as an area "covered almost entirely by dune sand which is stable or semi-stable over most of the area, but which locally drifts. The surface is very irregular and has no drainage features except at the edges of several playas. The sand is generally underlain by recent alluvium but in several places the sand forms topographic highs where it is underlain by a caliche surface. The thickness of the sand cover ranges from a few inches to a probable maximum of 20-feet."

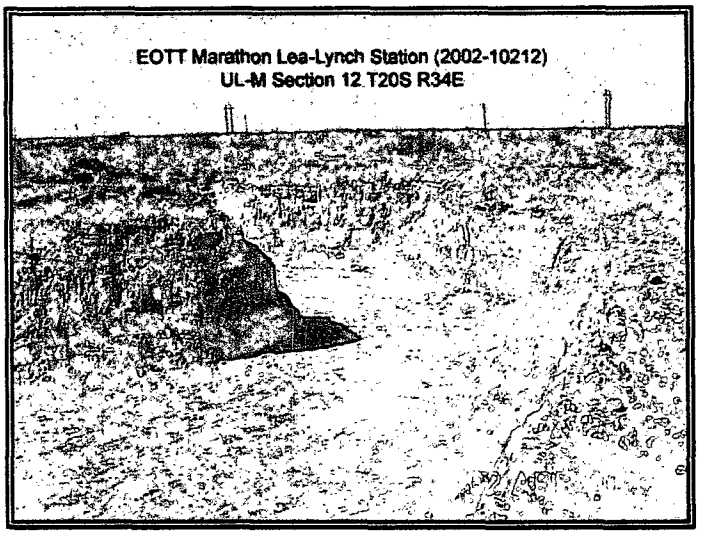
The subsurface at the site is composed of a hard caliche base covered with 10-15 feet of reddish sand. The presence of ground water in this area of Lea County is best described as intermittent. Based on data obtained from the Office of the State Engineer, a conservative estimate of ground water depth at this site, if present, would be ~100 feet bgs.



3.3 Ecology

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (Querqus harvardi) interspersed with Honey Mesquite (Prosopis glandulosa) along with typical desert grasses, flowering annuals and flowering perennials. Mammals represented, include Orrd's and Merriam's Kangaroo

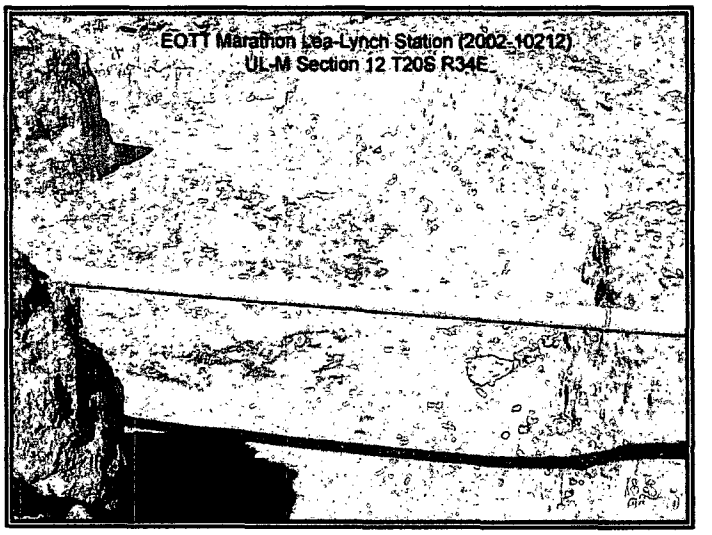
Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, Amphibians, and Birds are numerous and typical of area. A survey of Listed, Threatened, or Endangered species was not conducted.



3.4 Area Water Wells and/or Surface Water Features

There are no water wells and/or surface water features within 1000-ft of the release site.

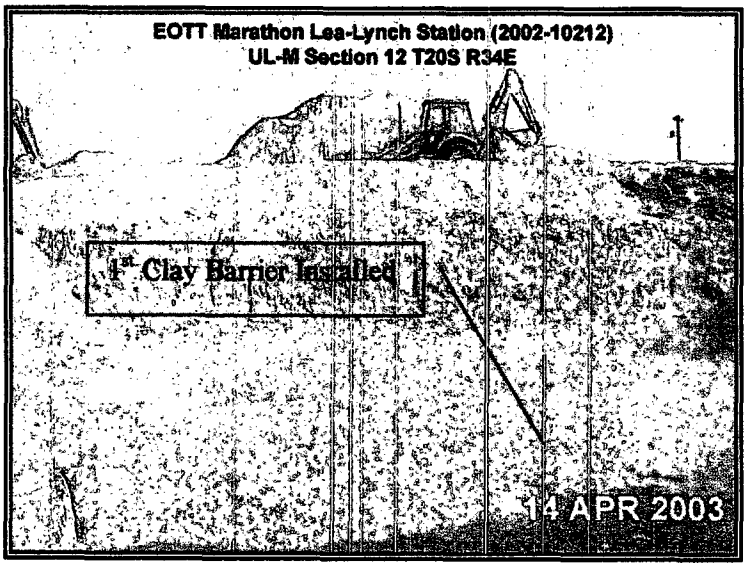
There are no surface water bodies within 1000-ft of the site.



4.0 NMOCD Site Ranking

Contaminant delineation and site characterization done at this site indicate that the chemical parameters of the soil and ground water were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the New Mexico Oil Conservation Division (NMOCD) approved "***General Work Plan for Remediation of E.O.T.T. Pipeline Spills, Leaks and Releases in New Mexico, July 2000***" and the NMOCD guidelines published in the following documents:

- ***Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)***
- ***Unlined Surface Impoundment Closure Guidelines (February 1993)***



Acceptable thresholds for **contaminants/constituents of concern** (CoCs), i.e., TPH^{8015m}, Benzene, and the mass sum of Benzene, Toluene, Ethyl Benzene, and total Xylene (BTEX), was determined based on the NMOCD Ranking Criteria as follows:

- Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water.
- Wellhead Protection Area, i.e., distance from fresh water supply wells.
- Distance to Surface Water Body, i.e., horizontal distance to all down gradient surface water bodies.

Based on the proximity of the site to protectable area water wells, surface water bodies, and depth to ground water from the lower most contamination, the NMOCD ranking score for the site is 10 points with the soil remedial goals highlighted in the Site Ranking Matrix presented as Table 1 below.

Table 1 - Site Ranking Matrix

1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water
Depth to GW <50 feet: *20 points*	**If <1000' from water source, or; <200' from private domestic water source: *20 points***	**<200 horizontal feet: *20 points***
Depth to GW 50 to 99 feet: *10 points*		**200-1000 horizontal feet: *10 points***
Depth to GW >100 feet: 0 points	**If >1000' from water source, or; >200' from private domestic water source: *0 points***	**>1000 horizontal feet: *0 points***
Ground Water Score = 20	**Wellhead Protection Score = 0**	**Surface Water Score= 0**
Site Rank (1+2+3) = 10 + 0 + 0 = 10 points (for soil 0-35'bgs)		

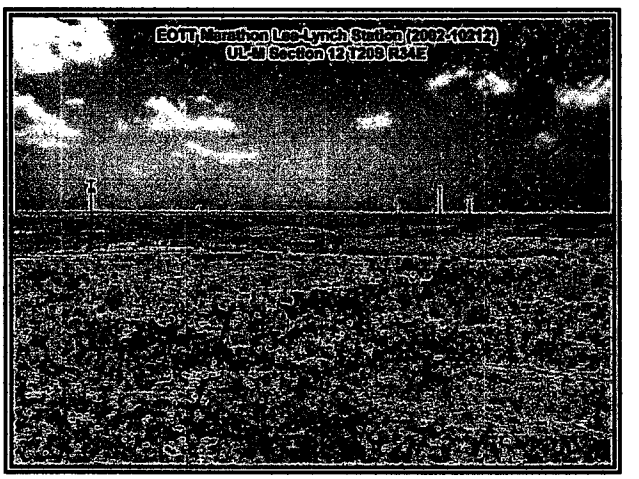
Total Site Ranking Score and Acceptable Remedial Goal Concentrations

Parameter	20+	**10**	0
Benzene[1]	10 ppm	**10 ppm**	10 ppm
BTEX[1]	50 ppm	**50 ppm**	50 ppm
TPH	100 ppm	**1000 ppm**	5000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis

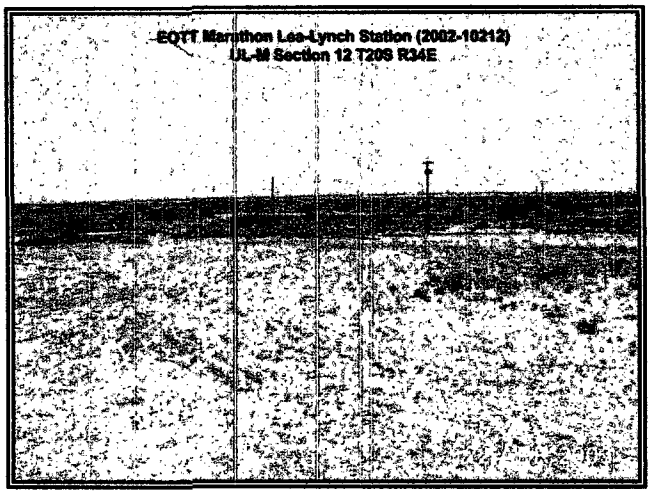
5.0 Subsurface Soil Investigation

The initial subsurface soil samplings and analyses were performed on September 18-20, 2002 with the drilling and sampling of 15 boreholes (designated BH1-BH15) down to 40-ft bgs. Analyses results indicated that the TPH and BTEX contamination in the west portion of the excavation was below remedial goals at the 20-ft level, and that contamination above remedial goals extended to 30-35 feet bgs in the east portion of the excavation *(see Plates 4, 5, 6, Attachments). (Lab analyses results and graphs are included in the Attachments as Plates 7 and 8).*



6.0 Ground Water Investigation

Ground water depth is conservatively estimated to be in the range ~100-ft bgs at the site. The site was excavated to a maximum depth of 20-ft. All contaminated soil left within the excavation, 20-ft bgs to ~33-ft bgs *(see Section 7.0 below)* was covered with a 2-ft impermeable layer of compacted clay. The remaining volume of the excavation was backfilled with clean caliche and topsoil. Based on the removal and/or containment of the Constituents of



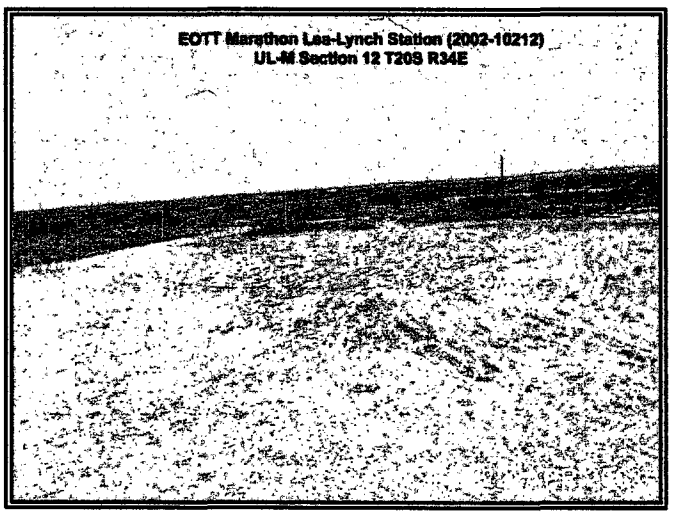
Concern and a remaining depth to ground water of > 50-ft, there will be no need for further ground water investigation at this site.

7.0 Remediation

Remediation of the site commenced on August 6, 2002 and continued through April 21, 2003. Remediation of the top 20-ft of the site consisted of excavation and disposal of 4,900 yd^3 of contaminated soil from the excavation. All contaminated soil removed from the site was disposed of in the Controlled Recovery Inc. NMOCD approved (NM-01-0006) surface waste facility, located north of the site on US Hwy 62/180.

Upon determination that the vertical extent of contamination went to approximately 33-ft bgs in the east portion of the excavation, it was decided to cease the excavation and disposal operations, and to isolate the remaining contaminated soils with a 2-ft compacted clay barrier over the contaminated eastern zone. The lateral extents of the area to be covered by the clay barrier were composite sampled on April 4, 2003 to ensure an adequate "clean zone" to serve as the overlap for the barrier installation. The northern extent of the excavation bottom displayed a TPH value of 418 ppm and a slightly detectable level of BTEX. The southern extent displayed a TPH value of 86 ppm and an undetectable BTEX level. These concentration levels at the extents verified that no further lateral excavation was necessary to ensure adequate overlap.

The clay barrier was then placed over the contaminated east area, including the overlap area. The clay barrier was placed in two stages, 1-ft thickness in each stage. After each 1-ft layer of clay was placed, it was compacted and tested by Pettigrew and Associates, Hobbs, NM. Both layers tested >95% compaction. *(Compaction test results are included in the Attachments, pages 25-26).* After the clay barrier was in place and certified, the remainder of the excavation was backfilled with clean caliche and topsoil, smoothed and contoured. *(Plate 3- Attachments includes the final GPS delineation of the surface damage area).*



8.0 VADSAT Risk Assessment

A very conservative 1000-year Risk Assessment of vertical hydrocarbon migration for this site was generated utilizing the American Petroleum Institute's VADSAT 3.0 software. Although the sampling protocol for this site does not show an inordinate presence of Benzene, it is the chemical species utilized to run the assessment because it is the lightest and fastest migrating of the chemical choices VADSAT offers. VADSAT calculates the Mean Infiltration Rate based on annual precipitation minus a runoff coefficient and the evaporation rate. This number must be positive, so VADSAT does not

accommodate arid and semi-arid areas such as southeast NM where the evaporation rate exceeds the precipitation rate.

Although the water table is estimated to be ~100 feet deep at this site, there is no empirical confirmation of this presumption. To allow for more conservancy in the VADSAT risk assessment modeling, the water table depth was set at 50-feet for both of the risk assessment models presented with this site.

Two assessments were run for this site: one with no clay barrier present and one with a clay barrier present. Other than the presence of the clay barrier, the input parameters for each assessment are identical. The downstream receptors were set at 1-meter, 10-meters and 100-meters (X=1 X=10 X=100). The transverse offset (Y value) was set at 0-meters, and the depth into the aquifer (Z value) was set at 0.

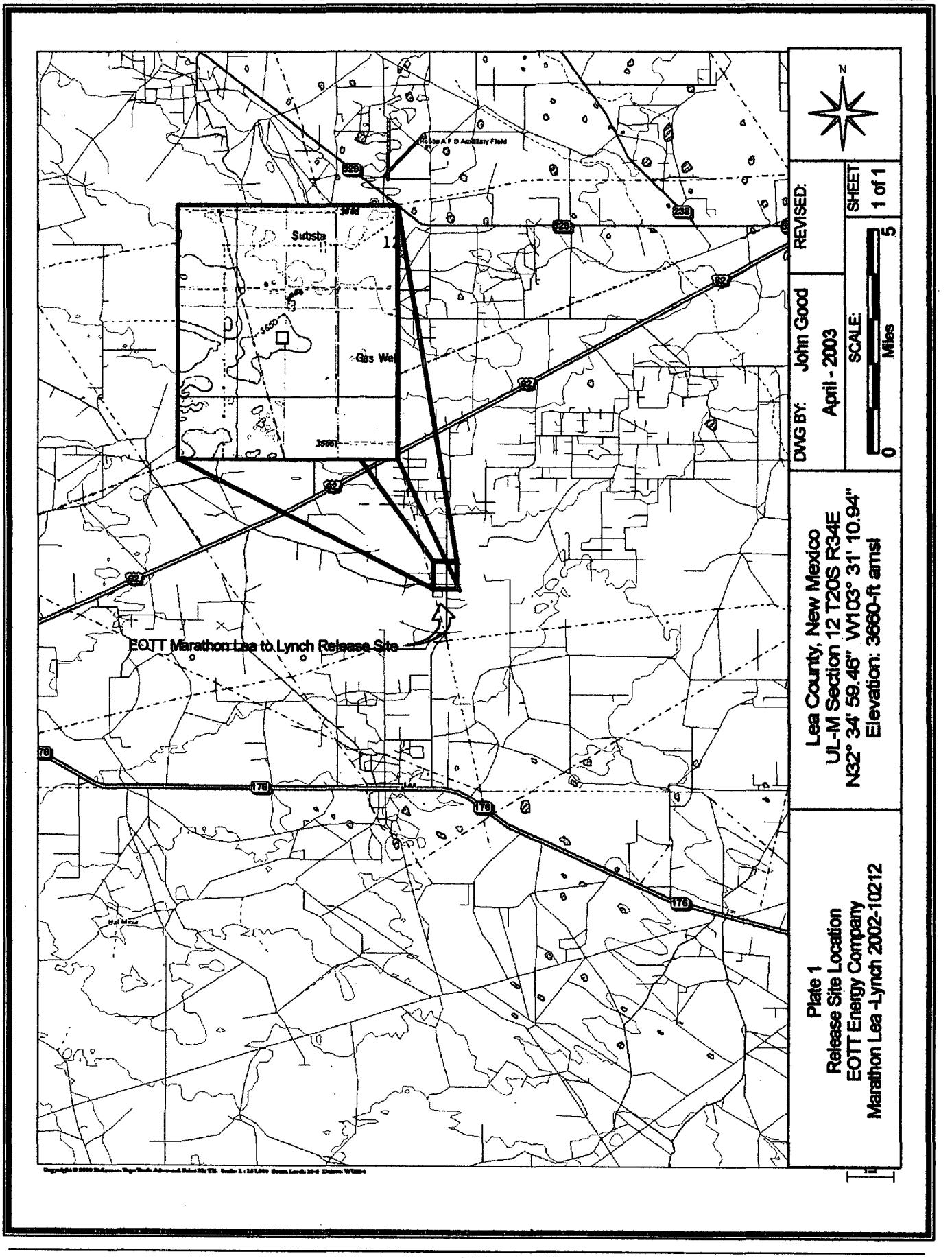
The results of the computer risk assessment modeling for the site without a clay barrier in place indicate that benzene present would reach the top of the aquifer directly under the site in approximately 100-years and reach its peak concentration of 0.07 mg/L 100-years later. The computer risk assessment modeling of the site with the clay barrier in place shows a flat-line of 0 values for the 1000-year period modeled, thus the contaminant migration would never reach the aquifer.

The raw data generated by the VADSAT program is included in the Attachments (pages 21-23). This data includes the parameters of the two models and the data points generated for the 1000-year span. Plate 9, Attachments, is the graphical representation of both assessment models that were generated.

9.0 Closure Justification

This report documents successful implementation of the Remediation Plan and Closure Proposal approved by NMOCD for this release site. 4,900-yd^3 of soil contaminated above acceptable CoC remedial concentrations was excavated and removed from the location. Disposal of the RCRA Non-Exempt contaminated soils was at the Controlled Recovery, Inc. NMOCD approved land farm. A 2-ft compacted and certified clay barrier was placed over all contaminated soil that was allowed to remain in place in the excavation. The VADSAT 3.0 Risk Assessment model for this site, with a conservative parameter basis, indicates that there is no risk inherent to leaving the contaminants in-place and that no threat to any existing aquifer beneath the site presents itself. The excavation was backfilled with clean caliche and topsoil and properly contoured to provide adequate drainage. Based on the data presented in this report, Environmental Plus, Inc., on behalf of EOTT Energy Company, requests that the NMOCD require "no further action" at this site.

Attachments:


EOTT Marathon Lea to Lynch Release Site
Plate 1
Release Site Location
EOTT Energy Company
Marathon Lea -Lynch 2002-10212
Lea County, New Mexico
UL-M Section 12 T20S R34E
N32° 34' 59.46" W103° 31' 10.94"
Elevation: 3660-ft amsl
DWG BY: John Good
April - 2003
REVISED:
SCALE:
0
5
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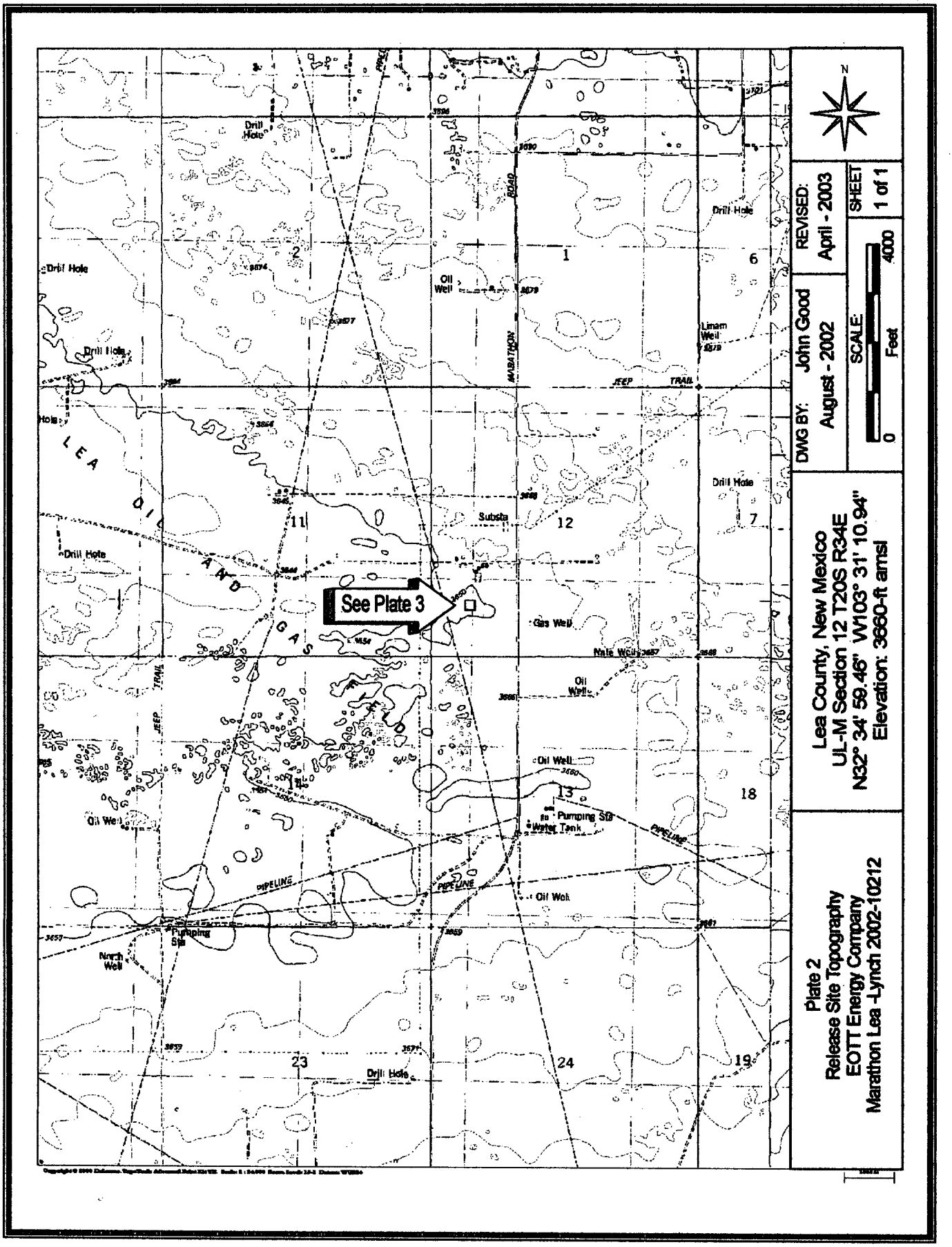
1 of 1
N


See Plate 3
Drill Hole
Oil Well
Gas Well
Water Well
Pumping Sta
Water Tank
Substa
Limam Well
North Well
MARATHON ROAD
JEEP TRAIL
PIPELINE
LEA OIL AND GAS
Plate 2
Release Site Topography
EOTT Energy Company
Marathon Lea -Lynch 2002-10212
Lea County, New Mexico
UL-M Section 12 T20S R34E
N32° 34' 59.46" W103° 31' 10.94"
Elevation: 3660-ft amsl
DWG BY: John Good
August - 2002
REVISED:
April - 2003
SHEET
1 of 1
SCALE:
0
Feet
4000
N

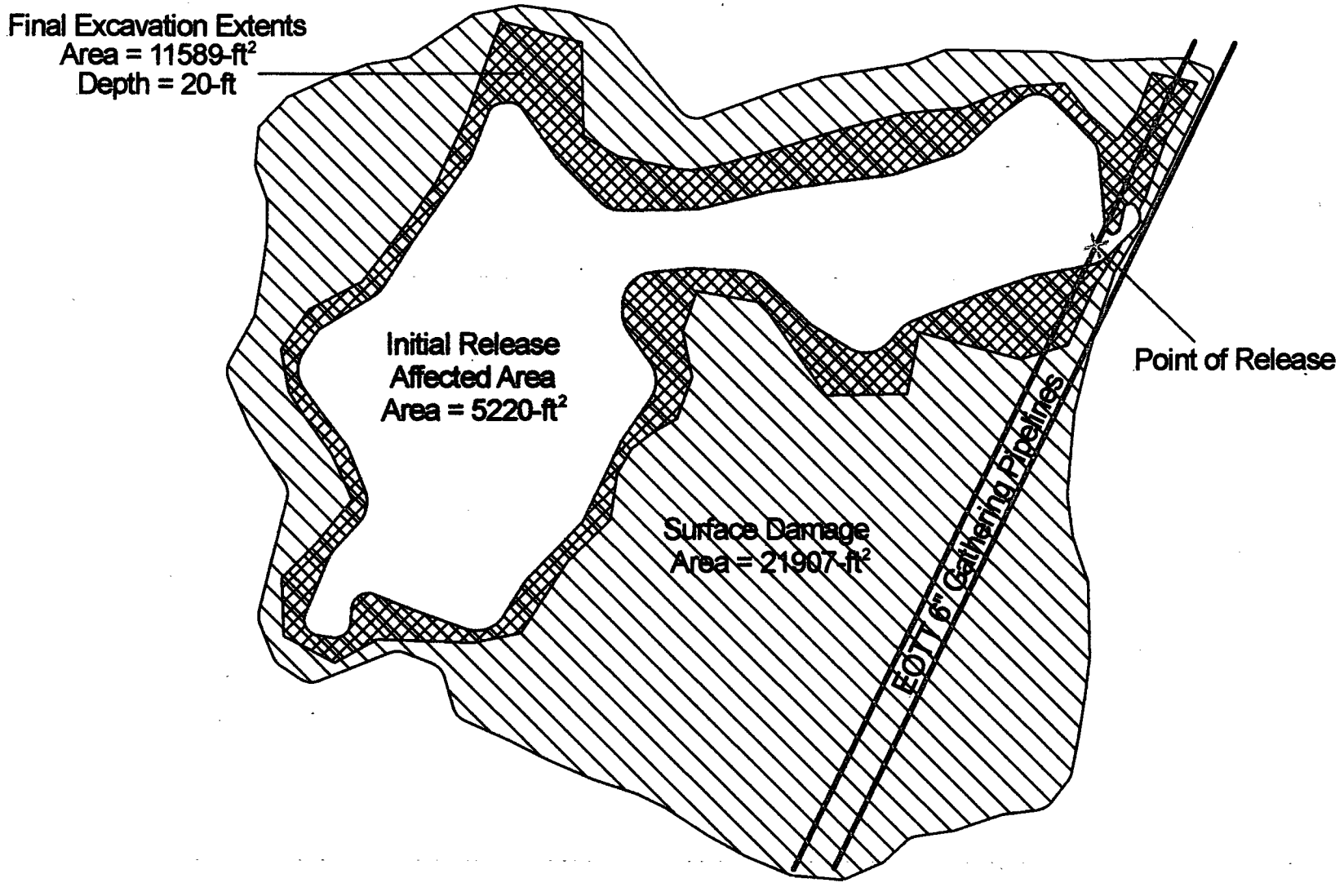
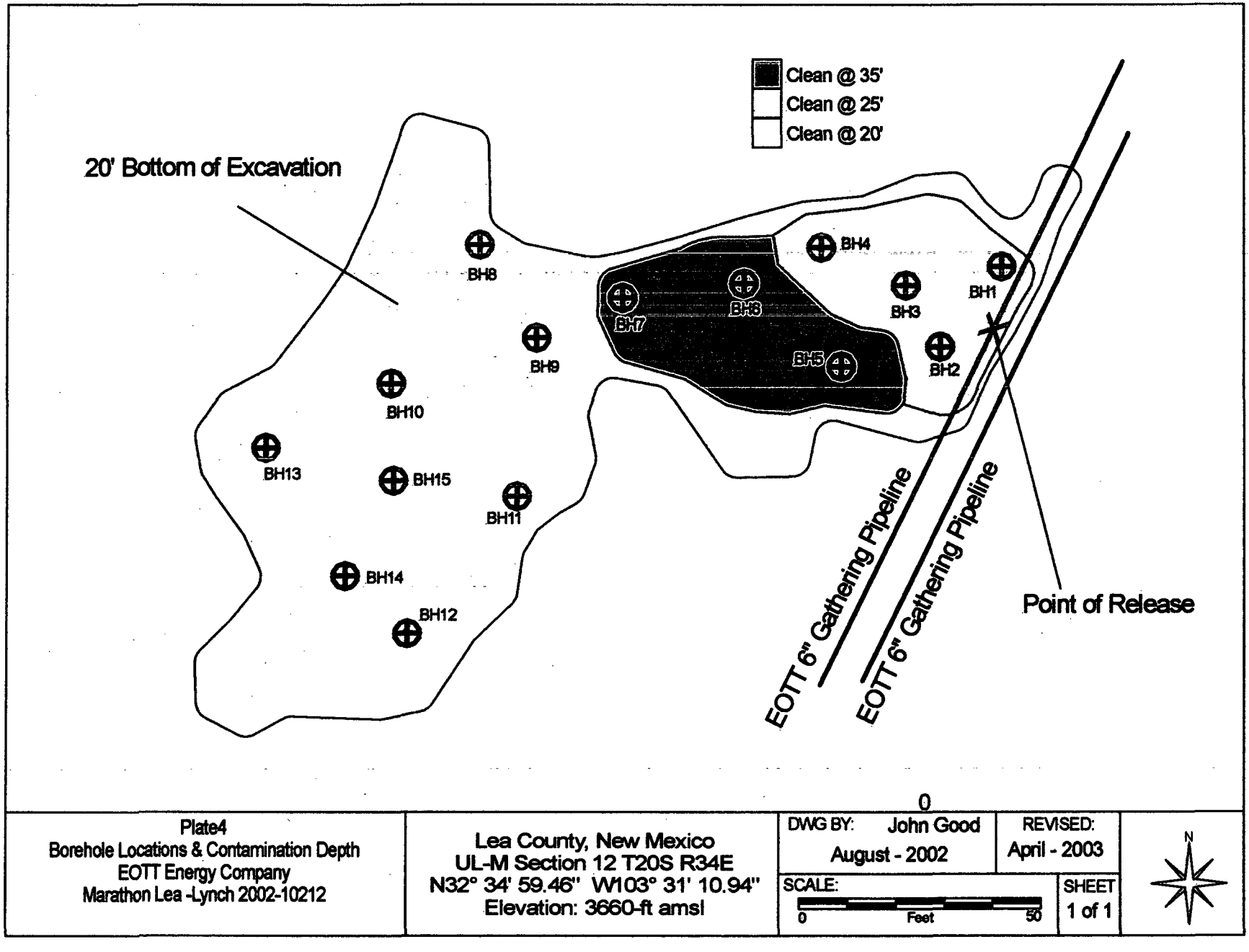
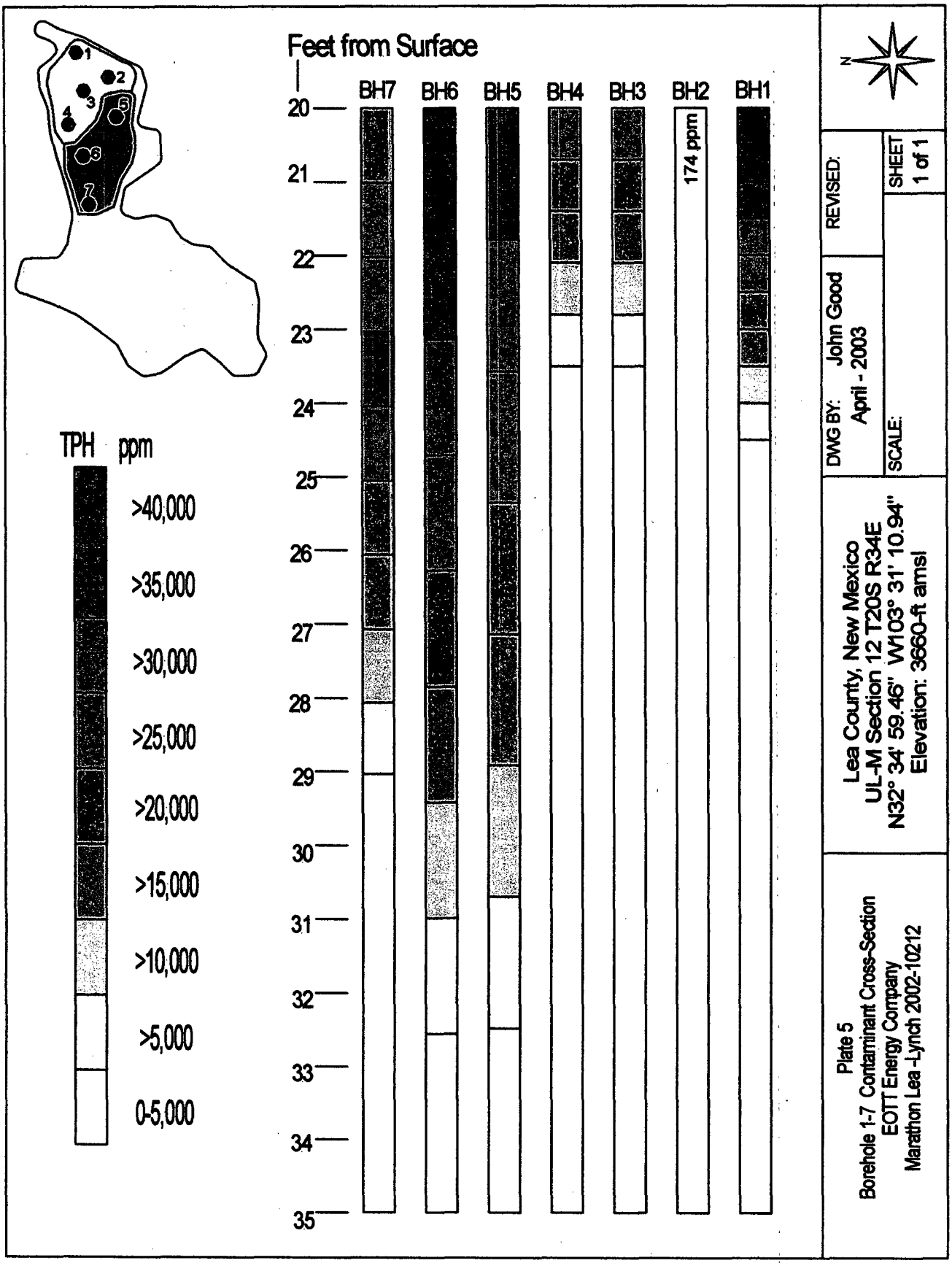


Plate 3 Release Site Features - GPS Demarcation EOTT Energy Company Marathon Lea -Lynch 2002-10212	Lea County, New Mexico UL-M Section 12 T20S R34E N32° 34' 59.46" W103° 31' 10.94" Elevation: 3660-ft amsl	DWG BY: John Good August - 2002 SCALE: 0 Feet 50	REVISED: April - 2003 SHEET 1 of 1


Clean @ 35'
Clean @ 25'
Clean @ 20'
20' Bottom of Excavation
BH8
BH4
BH7
BH6
BH3
BH1
BH9
BH5
BH2
BH10
BH13
BH15
BH11
BH14
BH12
EOTT 6" Gathering Pipeline
EOTT 6" Gathering Pipeline
Point of Release
0
Plate4
Borehole Locations & Contamination Depth
EOTT Energy Company
Marathon Lea -Lynch 2002-10212
Lea County, New Mexico
UL-M Section 12 T20S R34E
N32° 34' 59.46" W103° 31' 10.94"
Elevation: 3660-ft amsl
DWG BY: John Good
August - 2002
REVISED:
April - 2003
SCALE:
0 Feet 50
SHEET
1 of 1
N


Feet from Surface
BH7
BH6
BH5
BH4
BH3
BH2
BH1
174 ppm
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
TPH ppm
>40,000
>35,000
>30,000
>25,000
>20,000
>15,000
>10,000
>5,000
0-5,000
1
2
3
4
5
6
7
N
DWG BY: John Good
April - 2003
REVISED:
SCALE:
SHEET 1 of 1
Lea County, New Mexico
UL-M Section 12 T20S R34E
N32° 34' 59.46" W103° 31' 10.94"
Elevation: 3660-ft amsl
Plate 5
Borehole 1-7 Contaminant Cross-Section
EOTT Energy Company
Marathon Lea -Lynch 2002-10212

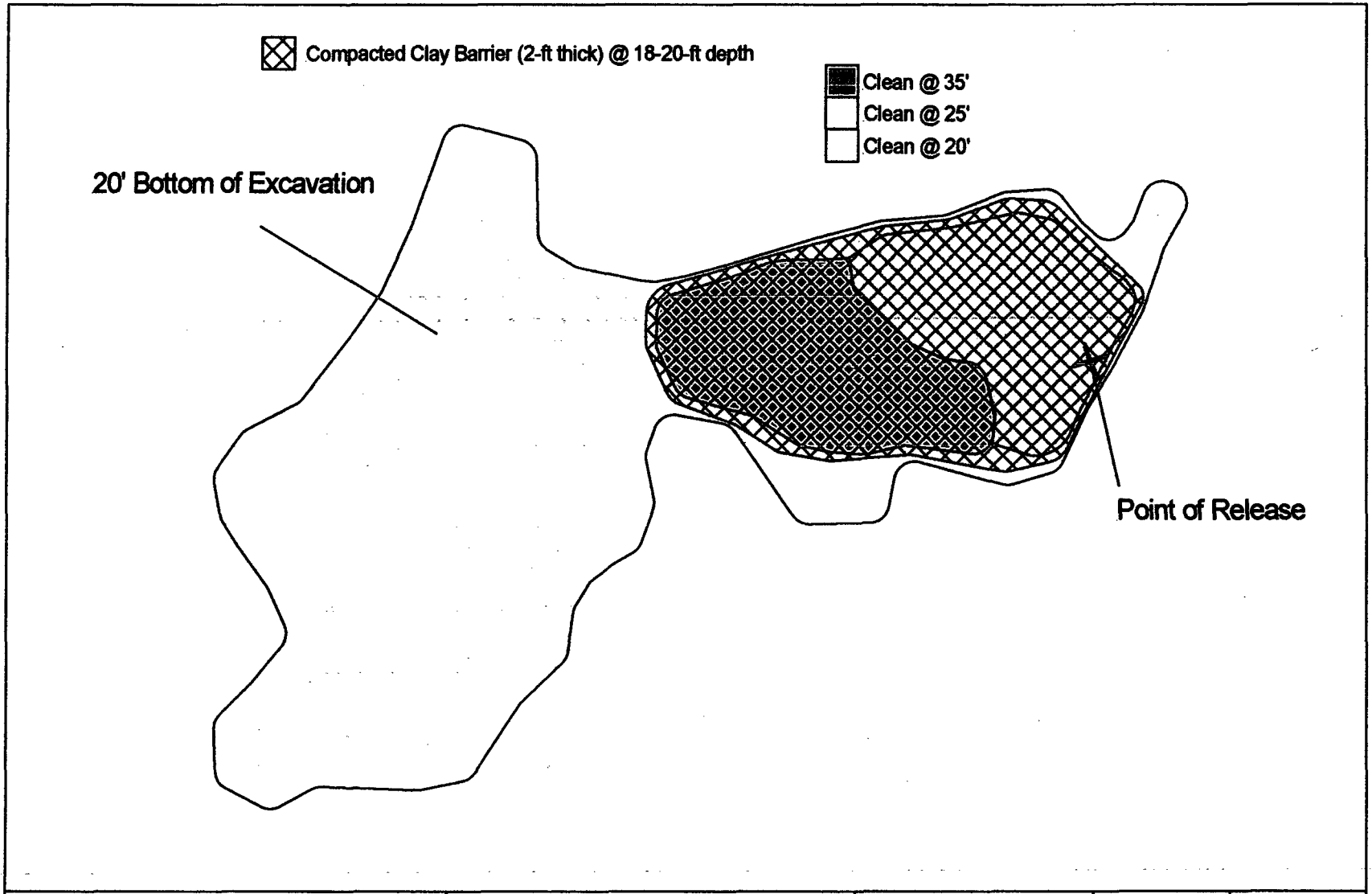


Plate 6 2-ft Clay Barrier Placement EOTT Energy Company Marathon Lea -Lynch 2002-10212	Lea County, New Mexico UL-M Section 12 T20S R34E N32° 34' 59.46" W103° 31' 10.94" Elevation: 3660-ft amsl	DWG BY: John Good April - 2003 REVISED: SCALE: 0 Feet 50 SHEET 1 of 1	N

Plate 7 - Soil Analysis Results (TPH & BTEX)

EOTT Energy Pipeline Marathon Lea to Lynch - #2002-10212 (Boreholes 1-8)

Bold cells indicate values in excess of the NMOCD remedial action guideline thresholds: TPH = 1000 mg/Kg; Benzene = 10 mg/Kg; BTEX = 50 mg/Kg

Borehole	Sampling Interval (ft-bgs[1])	LITHOLOGY	SAMPLE ID#	HeadSpace VOC[2] ppm	GRO[3] mg/Kg	DRO[4] mg/Kg	TPH[5] mg/Kg	BTEX[6] mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl Benzene mg/Kg	m,p-Xylene mg/Kg	o-Xylene mg/Kg
1	15												
	20	Dark Oily Sand	SELL91802BH1-20	480.0	13200	28400	41600	222.660	0.360	13.800	71.300	85.800	51.300
	25	Light Brown Sand	SELL91802BH1-25	15.7				0.199		0.054	0.042	0.078	
	30	Brown Sand	SELL91802BH1-30	1.2									
	35												
	40												
2	15												
	20	Light Brown Sand	SELL91802BH2-20	21.8	15	159	174						
	25	Light Brown Sand	SELL91802BH2-25	16.4									
	30	Light Brown Sand	SELL91802BH2-30	2.4									
	35												
	40												
3	15												
	20	Dark Brown Sand	SELL91802BH3-20	418.0	5000	17900	22900	88.070	4.070	20.900	15.200	30.500	15.400
	25	Light Brown Sand	SELL91802BH3-25	9.6									
	30	Light Brown Sand	SELL91802BH3-30	2.8									
	35												
	40												
4	15												
	20	Dark Brown Sand	SELL91802BH4-20	757.0	8570	11800	20370	8.474	0.100	0.504	2.570	3.780	1.520
	25	Light Brown Sand	SELL91802BH4-25	9.5									
	30	Light Brown Sand	SELL91802BH4-30	3.4									
	35												
	40												
5	15												
	20	Dark Brown Sand	SELL91802BH5-20	688.0	10900	26600	37500	202.900	4.700	37.400	38.700	78.800	43.300
	25	Dark Oily Sand	SELL91802BH5-25	621.0	13400	14400	27800	484.500	44.900	160.000	80.800	140.000	68.800
	30	Brown Oily Sand	SELL91802BH5-30	88.0	3220	4440	7660	0.864	0.100	0.100	0.223	0.340	0.101
	35	Brown Sand	SELL91802BH5-35	10.2									
	40	Light Brown Sand	SELL91802BH5-40	1.4									
6	15												
	20	Dark Oily Sand	SELL91902BH6-20	360.0	11900	29100	41000	270.900	11.700	56.800	50.100	99.800	52.500
	25	Dark Oily Sand	SELL91902BH6-25	833.0	19300	19000	38300	641.000	56.800	199.000	101.000	195.000	89.200
	30	Brown Oily Sand	SELL91902BH6-30	1132.0	4960	6050	11010	233.400	16.400	67.600	39.200	78.000	33.300
	35	Light Brown Sand	SELL91902BH6-35	20.4		32	42						
	40	Light Brown Sand	SELL91902BH6-40	1.9									
7	15												
	20	Dark Oily Sand	SELL91902BH7-20	263.0	5760	15000	20760	101.060	4.260	21.400	18.400	37.300	19.700
	25	Dark Oily Sand	SELL91902BH7-25	733.0	18200	18700	36900	709.500	64.200	226.000	116.000	207.000	97.300
	30	Light Brown Sand	SELL91902BH7-30	291.0	206	505	711	3.109	0.047	0.319	0.610	1.530	0.603
	35	Light Brown Sand	SELL91902BH7-35	6.6									
	40	Brown Sand	SELL91902BH7-40	4.7									
8	15	Dark Brown Sand	SELL91902BH8-15	1.1		126	136						
	20	Light Brown Sand	SELL91902BH8-20	5.3									
	25	Light Brown Sand	SELL91902BH8-25	1.1									
	30												
	35												
	40				10.000	10.000							

EOTT Energy Pipeline Marathon Lea to Lynch - #2002-10212 (Boreholes 9-15)

Bold cells indicate values in excess of the NMOCD remedial action guideline thresholds: TPH = 1000 mg/Kg; Benzene = 10 mg/Kg; BTEX = 50 mg/Kg

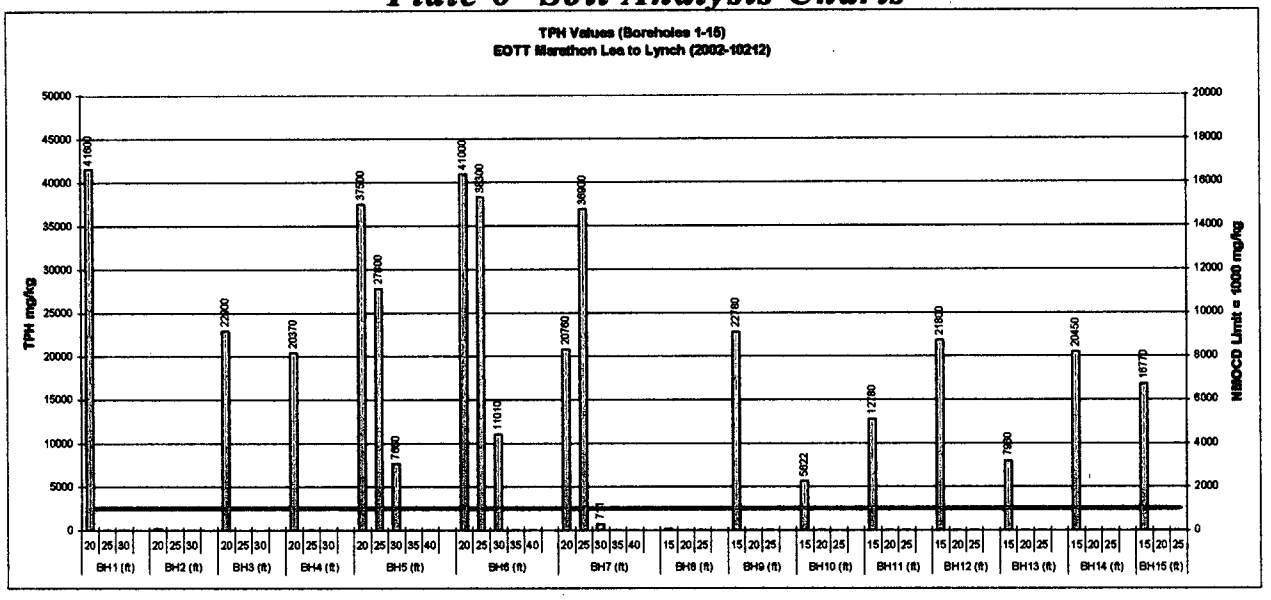
Borehole	Sampling Date	Sampling Interval (ft-bgs[1])	LITHOLOGY	SAMPLE ID#	HeadSpace VOC[2] ppm	GRO[3] mg/Kg	DRO[4] mg/Kg	TPH[5] mg/Kg	BTEX[6] mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethyl Benzene mg/Kg	m,p-Xylene mg/Kg	o-Xylene mg/Kg
9	9/19/02	15	Dark Brown Sand	SELL91902BH9-15	278.0	4780	18000	**22780**	**63.136**	0.836	**10.400**	**11.900**	**26.400**	**13.600**
	9/19/02	20	Light Brown Sand	SELL91902BH9-20	24.8	10	33	43	0.125	0.025	0.025	0.025	0.025	0.025
	9/19/02	25	Light Brown Sand	SELL91902BH9-25	3.1	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
		30												
		35												
		40												
10	9/19/02	15	Dark Brown Sand	SELL91902BH10-15	31.4	772	4850	**5622**	2.816	0.026	0.261	0.471	1.330	0.728
	9/19/02	20	Light Brown Sand	SELL91902BH10-20	10.3	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	9/19/02	25	Light Brown Sand	SELL91902BH10-25	6.6	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
		30												
		35												
		40												
11	9/20/02	15	Dark Brown Sand	SELL92002BH11-15	95.6	1380	11400	**12780**	19.164	0.364	2.590	3.530	8.480	4.200
	9/20/02	20	Light Brown Sand	SELL92002BH11-20	16.5	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	9/20/02	25	Brown Sand	SELL92002BH11-25	2.4	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
		30												
		35												
		40												
12	9/20/02	15	Dark Brown Sand	SELL92002BH12-15	400.0	8600	13200	**21800**	**193.760**	6.660	**40.100**	**38.400**	**70.900**	**37.700**
	9/20/02	20	Light Brown Sand	SELL92002BH12-20	72.1	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	9/20/02	25	Light Brown Sand	SELL92002BH12-25	4.9	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
		30												
		35												
		40												
13	9/20/02	15	Brown Sand & Rock	SELL92002BH13-15	200.0	2160	5800	**7960**	28.445	0.465	3.450	4.910	**13.700**	5.920
	9/20/02	20	Light Brown Sand	SELL92002BH13-20	44.2	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	9/20/02	25	Light Brown Sand	SELL92002BH13-25	3.4	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
		30												
		35												
		40												
14	9/20/02	15	Dark Brown Sand	SELL92002BH14-15	150.0	3570	13200	**16770**	**402.000**	6.800	**81.300**	**63.700**	**179.000**	**71.200**
	9/20/02	20	Light Brown Sand	SELL92002BH14-20	7.8	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	9/20/02	25	Light Brown Sand	SELL92002BH14-25	3.4	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
		30												
		35												
		40												
15	9/20/02	15	Dark Brown Sand	SELL92002BH15-15	150.0	3570	13200	**16770**	46.955	0.405	5.670	6.780	**24.000**	**10.100**
	9/20/02	20	Light Brown Sand	SELL92002BH15-20	7.8	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
	9/20/02	25	Light Brown Sand	SELL92002BH15-25	3.4	10	10	20	0.125	0.025	0.025	0.025	0.025	0.025
		30												
		35												
		40												
1	4/2/03	20	Light Brown Sand	SEMLL040203NWBHC-20		19	399	418	0.135	0.025	0.025	0.025	0.035	0.025
2	4/2/03	20	Light Brown Sand	SEMLL040203SWBHC-20		10	76	86	0.125	0.025	0.025	0.025	0.025	0.025

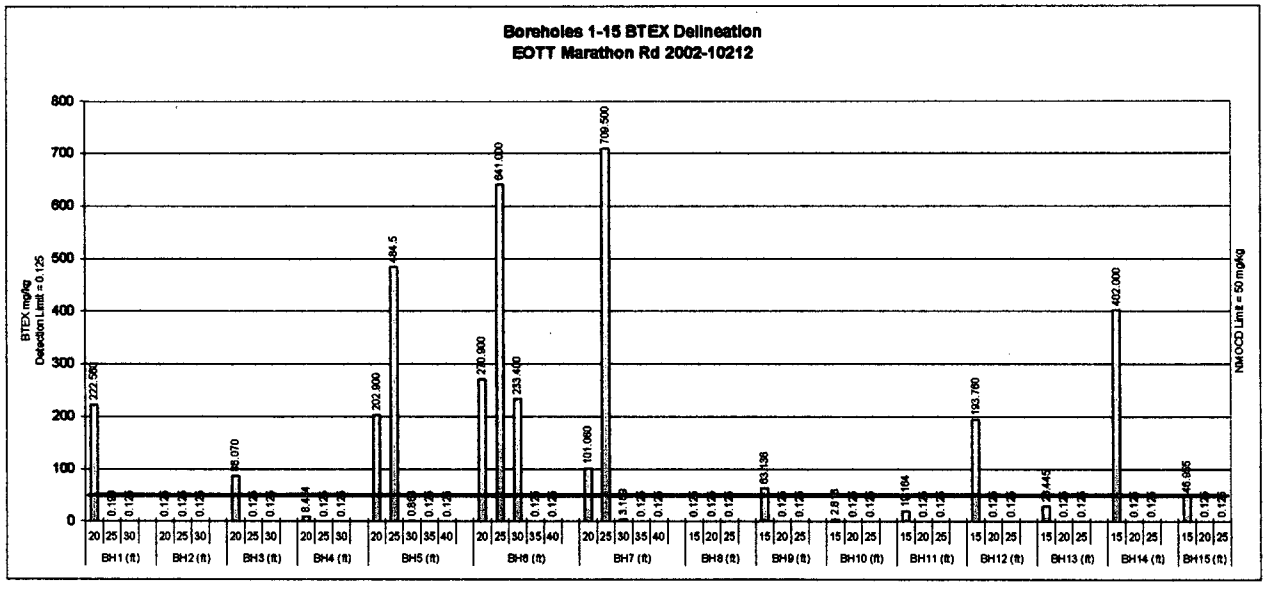
[1] bgs = below ground surface [2] VOC = Volatile Organic Constituents; (note: 100 ppm isobutylene calibration gas = 101 ppm)

[3] GRO - Gasoline Range Organics (Detection Limit = 10 mg/Kg) [4] DRO - Diesel Range Organics (Detection Limit = 10 mg/Kg) [5] TPH - Total Petroleum Hydrocarbon (GRO+DRO)

[6] BTEX = Sum of CoC's (Detection Limit = 0.025 mg/Kg) Note: Reported detection limits are considered "de minimus" values and are not displayed but included in the TPH and BTEX summations.

Plate 8- Soil Analysis Charts





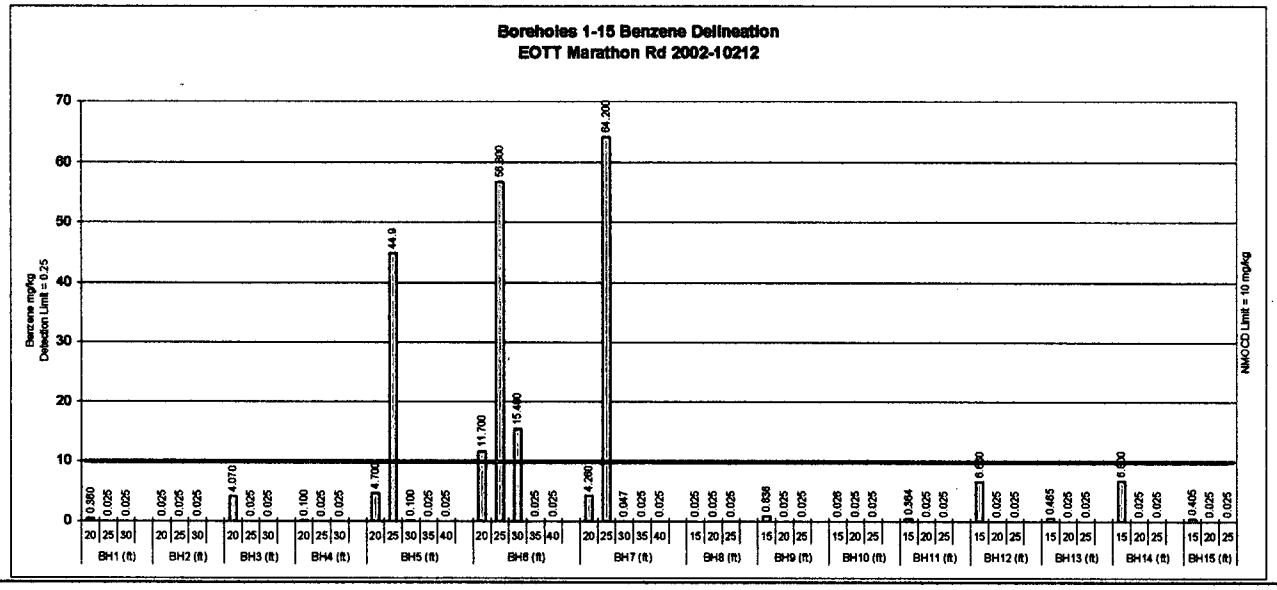
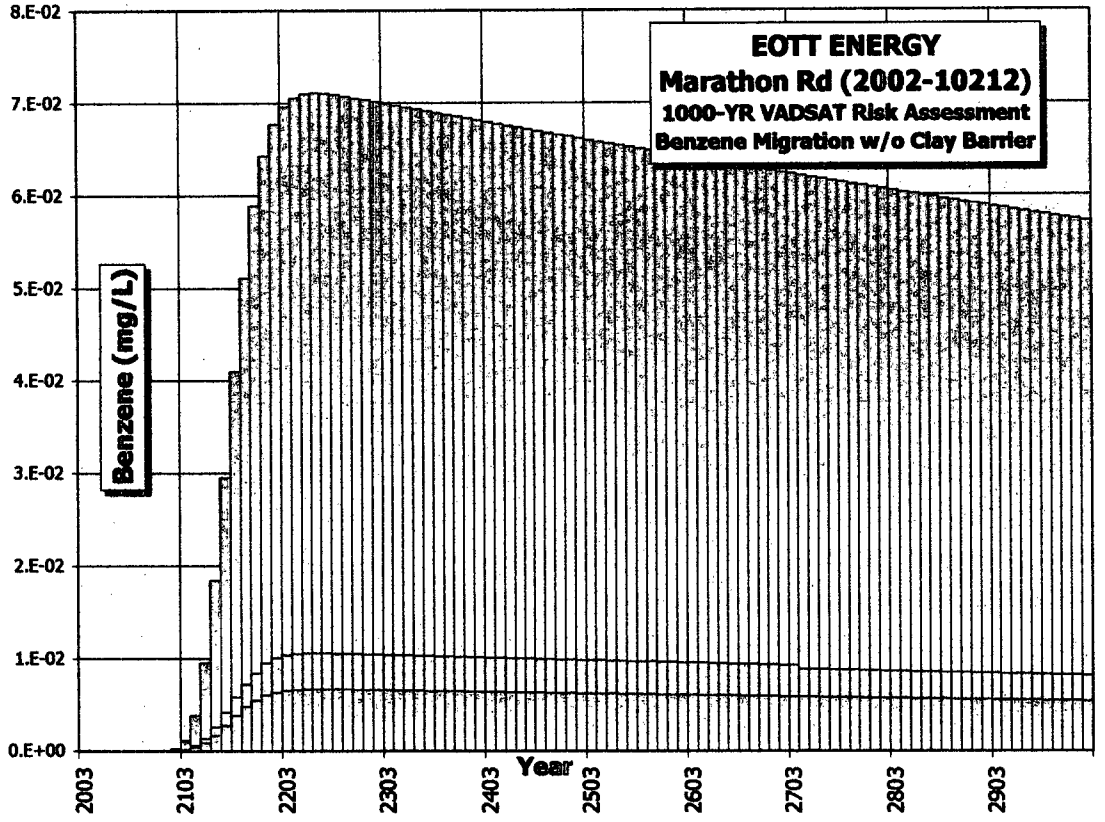
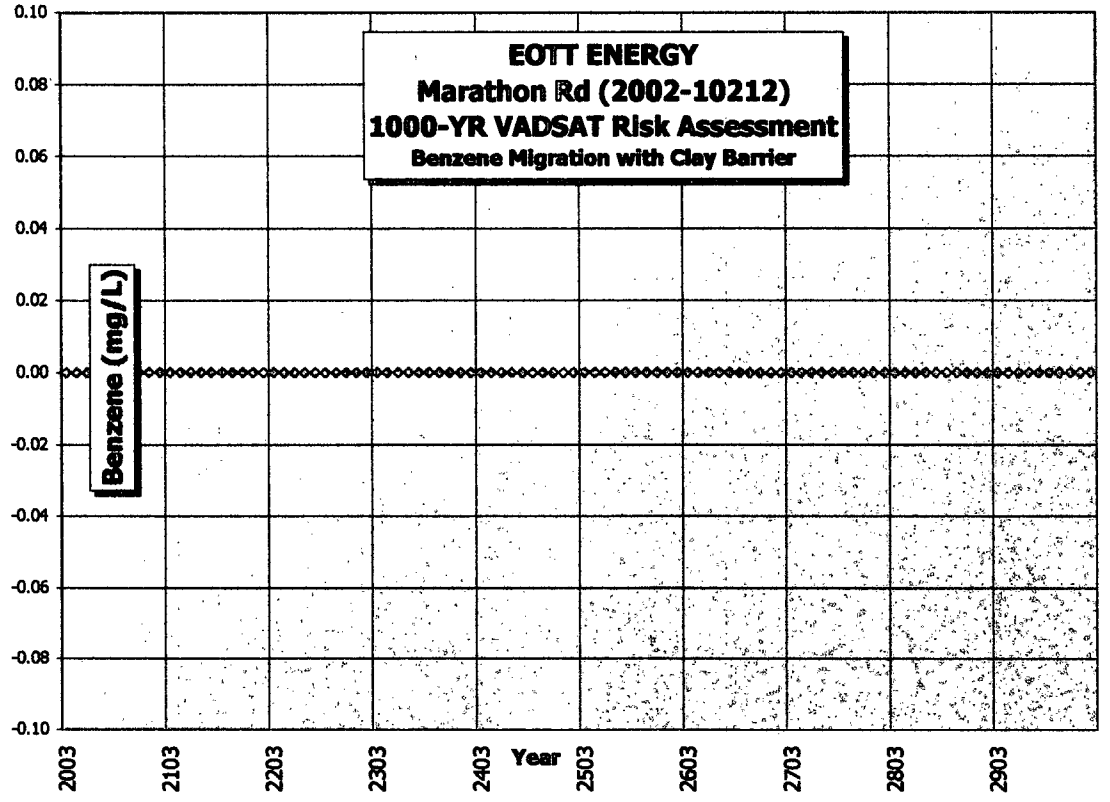


Plate 9- VADSAT Risk Assessment Charts





VADSAT Data (without a clay barrier)

Year	Water Table	1 Meter Down Gradient	10 Meter Down Gradient	100 Meter Down Gradient
2003	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2013	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2023	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2033	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2043	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2053	2.98E-11	3.82E-12	2.11E-12	2.79E-14
2063	1.29E-08	1.73E-09	9.97E-10	1.79E-11
2073	9.42E-07	1.30E-07	7.67E-08	1.71E-09
2083	2.10E-05	2.94E-06	1.77E-06	4.59E-08
2093	2.04E-04	2.79E-05	1.78E-05	5.14E-07
2103	1.10E-03	1.52E-04	9.74E-05	3.07E-06
2113	3.81E-03	5.31E-04	3.43E-04	1.15E-05
2123	9.50E-03	1.33E-03	8.65E-04	3.05E-05
2133	1.84E-02	2.59E-03	1.69E-03	6.20E-05
2143	2.95E-02	4.17E-03	2.73E-03	1.03E-04
2153	4.10E-02	5.81E-03	3.81E-03	1.47E-04
2163	5.11E-02	7.25E-03	4.76E-03	1.87E-04
2173	5.89E-02	8.37E-03	5.51E-03	2.19E-04
2183	6.43E-02	9.53E-03	6.02E-03	2.41E-04
2193	6.77E-02	1.00E-02	6.35E-03	2.55E-04
2203	6.96E-02	1.03E-02	6.53E-03	2.64E-04
2213	7.06E-02	1.05E-02	6.62E-03	2.68E-04
2223	7.10E-02	1.05E-02	6.66E-03	2.70E-04
2233	7.11E-02	1.06E-02	6.67E-03	2.71E-04
2243	7.10E-02	1.05E-02	6.67E-03	2.70E-04
2253	7.09E-02	1.05E-02	6.66E-03	2.70E-04
2263	7.07E-02	1.05E-02	6.64E-03	2.69E-04
2273	7.05E-02	1.05E-02	6.62E-03	2.69E-04
2283	7.03E-02	1.04E-02	6.60E-03	2.68E-04
2293	7.01E-02	1.04E-02	6.58E-03	2.67E-04
2303	6.99E-02	1.04E-02	6.57E-03	2.66E-04
2313	6.97E-02	1.04E-02	6.55E-03	2.66E-04
2323	6.95E-02	1.03E-02	6.53E-03	2.65E-04
2333	6.93E-02	1.03E-02	6.51E-03	2.64E-04
2343	6.91E-02	1.03E-02	6.49E-03	2.63E-04
2353	6.89E-02	1.02E-02	6.47E-03	2.62E-04
2363	6.87E-02	1.02E-02	6.45E-03	2.62E-04
2373	6.85E-02	1.02E-02	6.43E-03	2.61E-04
2383	6.83E-02	1.01E-02	6.42E-03	2.60E-04
2393	6.81E-02	1.01E-02	6.40E-03	2.59E-04
2403	6.79E-02	1.01E-02	6.38E-03	2.59E-04
2413	6.77E-02	1.01E-02	6.36E-03	2.58E-04
2423	6.75E-02	1.00E-02	6.34E-03	2.57E-04
2433	6.73E-02	1.00E-02	6.32E-03	2.56E-04
2443	6.71E-02	9.97E-03	6.30E-03	2.56E-04
2453	6.69E-02	9.94E-03	6.29E-03	2.55E-04
2463	6.68E-02	9.91E-03	6.27E-03	2.54E-04
2473	6.66E-02	9.88E-03	6.25E-03	2.54E-04
2483	6.64E-02	9.85E-03	6.23E-03	2.53E-04
2493	6.62E-02	9.82E-03	6.21E-03	2.52E-04

Year	Water Table	1 Meter Down Gradient	10 Meter Down Gradient	100 Meter Down Gradient
2503	6.60E-02	9.79E-03	6.20E-03	2.51E-04
2513	6.58E-02	9.77E-03	6.18E-03	2.51E-04
2523	6.56E-02	9.74E-03	6.16E-03	2.50E-04
2533	6.54E-02	9.71E-03	6.14E-03	2.49E-04
2543	6.52E-02	9.68E-03	6.12E-03	2.48E-04
2553	6.50E-02	9.65E-03	6.11E-03	2.48E-04
2563	6.48E-02	9.63E-03	6.09E-03	2.47E-04
2573	6.47E-02	9.60E-03	6.07E-03	2.46E-04
2583	6.45E-02	9.57E-03	6.05E-03	2.46E-04
2593	6.43E-02	9.54E-03	6.04E-03	2.45E-04
2603	6.41E-02	9.52E-03	6.02E-03	2.44E-04
2613	6.39E-02	9.49E-03	6.00E-03	2.43E-04
2623	6.37E-02	9.46E-03	5.98E-03	2.43E-04
2633	6.35E-02	9.43E-03	5.97E-03	2.42E-04
2643	6.34E-02	9.41E-03	5.95E-03	2.41E-04
2653	6.32E-02	9.38E-03	5.93E-03	2.41E-04
2663	6.30E-02	9.35E-03	5.92E-03	2.40E-04
2673	6.28E-02	9.32E-03	5.90E-03	2.39E-04
2683	6.26E-02	9.30E-03	5.88E-03	2.39E-04
2693	6.24E-02	9.27E-03	5.86E-03	2.38E-04
2703	6.23E-02	9.24E-03	5.85E-03	2.37E-04
2713	6.21E-02	8.85E-03	5.83E-03	2.36E-04
2723	6.19E-02	8.82E-03	5.81E-03	2.36E-04
2733	6.17E-02	8.80E-03	5.80E-03	2.35E-04
2743	6.16E-02	8.77E-03	5.78E-03	2.34E-04
2753	6.14E-02	8.75E-03	5.76E-03	2.34E-04
2763	6.12E-02	8.72E-03	5.75E-03	2.33E-04
2773	6.10E-02	8.70E-03	5.73E-03	2.32E-04
2783	6.08E-02	8.67E-03	5.71E-03	2.32E-04
2793	6.07E-02	8.64E-03	5.70E-03	2.31E-04
2803	6.05E-02	8.62E-03	5.68E-03	2.30E-04
2813	6.03E-02	8.59E-03	5.66E-03	2.30E-04
2823	6.01E-02	8.57E-03	5.65E-03	2.29E-04
2833	6.00E-02	8.55E-03	5.63E-03	2.28E-04
2843	5.98E-02	8.52E-03	5.61E-03	2.28E-04
2853	5.96E-02	8.50E-03	5.60E-03	2.27E-04
2863	5.94E-02	8.47E-03	5.58E-03	2.26E-04
2873	5.93E-02	8.45E-03	5.57E-03	2.26E-04
2883	5.91E-02	8.42E-03	5.55E-03	2.25E-04
2893	5.89E-02	8.40E-03	5.53E-03	2.24E-04
2903	5.88E-02	8.37E-03	5.52E-03	2.24E-04
2913	5.86E-02	8.35E-03	5.50E-03	2.23E-04
2923	5.84E-02	8.33E-03	5.49E-03	2.23E-04
2933	5.83E-02	8.30E-03	5.47E-03	2.22E-04
2943	5.81E-02	8.28E-03	5.45E-03	2.21E-04
2953	5.79E-02	8.25E-03	5.44E-03	2.21E-04
2963	5.77E-02	8.23E-03	5.42E-03	2.20E-04
2973	5.76E-02	8.21E-03	5.41E-03	2.19E-04
2983	5.74E-02	8.18E-03	5.39E-03	2.19E-04
2993	5.72E-02	8.16E-03	5.38E-03	2.18E-04

```
+ + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
+                                                                       +
+                        VADSAT Version 3.0                             +
+                                                                       +
+   A Monte Carlo Model for Assessing the Effects of Soil               +
+            Contamination on Groundwater Quality                       +
+                                                                       +
+                                                                       +
+                        Developed by:                                  +
+            Environmental Systems and Technologies Inc.                +
+                    Blacksburg, Virginia                               +
+              Tel: 703-552-0685, Fax: 703-951-5307                     +
+                                                                       +
+                                                                       +
+                            For                                        +
+                The American Petroleum Institute                       +
+                            1995                                       +
+                                                                       +
+ + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +
```

PROJECT TITLE:EOTT MARATHON LEA TO LYNCH

SOURCE AND CHEMICAL DATA ****
DEPTHM, MEAN THICKNESS OF WASTE ZONE (m) = 4.57200

DEPSTD, STD.DEV. OF THICKNESS OF WASTE ZONE = 0.00000

AREAM, MEAN WASTE ZONE AREA (m^2) = 325.16000
STDA, STD.DEV. OF WASTE ZONE AREA = 0.00000

RLWM, MEAN L/W RATIO (-) = 1.40000
STDRLW, STD.DEV. OF L/W RATIO = 0.00000

CVRTHM, MEAN VALUE OF COVER THICKNESS (m) = 1.52400
CVRTHS, STD.DEV. OF COVER THICKNESS = 0.00000

KOCM, MEAN ORG. CARBON PARTITION COEF (cm^3/g)= 83.20000
STDKOC, STD.DEV. OF ORG.CARBON PARTITION COEF= 0.00000

FMOLM, MEAN INIT.VOL.FRAC. OF CONTAMINANT(-) = 0.01707
FMOLSTD, STD.DEV. OF VOL.FRAC. OF CONTAMINANT= 0.00000

CMFM, MASS OF CONTAMINANT PER MASS OF WASTE(mg/kg) = 700.00000
CMFSD, STD.DEV. OF MASS CONTAMINANT PER MASS WASTE = 0.00000

HCCONM, HYDCARBON MASS FRAC. IN WASTE (mg/kg)= 41000.00000
HCCONS, STD OF HYDCARBON MASS FRAC. IN WASTE = 0.00000

CHEMICAL SPECIES BENZENE

MOLW, MOLECULAR WT. OF CONTAMINANT (g/mole) = 78.10000

AVERMW, AVG. MOL. WT. OF OILY WASTE (g/mole) = 100.00000

RHO, DENSITY OF CONTAMINANT (g/cm^3) = 0.87600

RHOG, AVERAGE DENSITY OF HYDROCARBON (g/cm^3)= 0.90000

SOL, AQUEOUS SOLUB. OF CONTAMINANT (g/m^3) = 1790.00000

HENRYC, HENRY'S CONSTANT (-) = 0.23000

DIFFA, DIFFUSION COEF. IN FREE AIR (m^2/day) = 0.77000

HYDROGEOLOGICAL PROPERTIES

** UNSATURATED ZONE INPUT PARAMETERS **
GAMMAM, MEAN UNSAT ZONE DECAY COEF (1/day) = 0.00010
STDGAM, STD.DEV. OF UNSAT ZONE DECAY COEF = 0.00000

UNFOCM, MEAN UNSAT ZONE ORGANIC CARBON FRACTION (-) = 0.00000
UNFOCS, STD.DEV. OF UNSAT ZONE ORGANIC CARBON FRAC. = 0.00000

FKSW, MEAN SAT. CONDUCTIVITY (m/day) = 0.02900
STDFKS, STD.DEV. OF SAT. CONDUCTIVITY = 0.000

DISTM, MEAN DEPTH TO GROUNDWATER (m) = 30.48000
STDDST, STD.DEV. OF DEPTH TO GROUNDWATER = 0.00000

UNPORM, MEAN VADOSE ZONE POROSITY (-) = 0.38000
SUNPOR, STD.DEV. OF VADOSE ZONE POROSITY = 0.00000

PARNM, MEAN VALUE OF VG PARAMETER N (-) = 1.23000
SDPARN, STD.DEV. OF VG PARAMETER N = 0.00000

RESWCM, MEAN RESIDUAL WATER CONTENT (-) = 0.01110
RESWCS, STD.DEV. OF RESIDUAL WATER CONTENT = 0.00000

ALFINM = 0, UNSAT DISPERSIVITY CALCULATED INTERNALLY
** SATURATED ZONE INPUT PARAMETERS **

LAMBW, MEAN SAT. ZONE DECAY COEFF. (1/day) = 0.00010
SLAMB, STD.DEV. OF SAT. ZONE DECAY COEFF. = 0.00000

PORM, MEAN SAT. ZONE POROSITY (-) = 0.20000
STDPOR, STD.DEV. OF SAT. ZONE POROSITY = 0.00000

FOCM, MEAN SAT. ZONE ORG. CARBON FRAC. (-) = 0.00000
STDFOC, STD.DEV. SAT. ZONE ORG. CARBON FRAC.= 0.00000

ALRLTM, MEAN DISPERS, RATIO LONG/TRANSV. (-) = 3.00000
SALRLT, STD.DEV. OF DISP. RATIO LONG/TRANSV. = 0.00000

ALRTVM, MEAN DISPERS. RATIO TRANSV/VERT. (-) = 67.00000
SALRTV, STD.DEV. OF DISP. RATIO TRANSV/VERT. = 0.00000

CONDS, SAT. HYDRAULIC COND. (m/day) = 1.03000
SCONDS, STD.DEV. OF SAT HYDRAULIC COND. = 0.00000

GRADS, HYDRAULIC GRADIENT (m/m) = 0.02700
SGRADS, STD.DEV. OF HYDRAULIC GRADIENT = 0.00000

HMEAN, MEAN AQUIFER THICKNESS (m) = 23.40000
STDH, STD.DEV. OF AQUIFER THICKNESS = 0.00000

QINM, MEAN INFILTRATION RATE (m/day) = 0.00011
QINSTD, STD.DEV. OF INFILTRATION RATE = 0.00000

LOCATION OF RECEPTORS:

	X (M)	Y (M)	Z (M)
RECEPTOR(1)	1.0	0.0	0.0
RECEPTOR(2)	10.0	0.0	0.0
RECEPTOR(3)	100.0	0.0	0.0

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

April 8, 2003

Mr. Frank Hernandez
EOTT Energy Pipeline LP
PO Box 1660
Midland, TX 79702

Re: Closure Approval: Marathon 6" Lea to Lynch Line Release
Site Reference UL-M Sec-12 T-20S R-34E
Spill Date: 8-6-02
Closure Request Dated: 4-4-03

Dear Mr. Hernandez,

The **Closure Proposal** submitted to the New Mexico Oil Conservation (OCD) by Environmental Plus, Inc. for EOTT Energy is **hereby approved.** Based on information provided, no further action is required at this time.

Please be advised that OCD approval does not relieve EOTT Energy of liability should **remaining contaminants pose a future threat** to ground water, surface water, human health or the environment. Additionally, OCD approval does not relieve EOTT Energy of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance please feel free to call or e-mail me at (505) 393-6161, x111 or email lwjohnson@state.nm.us

Sincerely,

Larry Johnson - Environmental Engineer

Cc: Roger Anderson - Environmental Bureau Chief
Chris Williams - District I Supervisor
Bill Olson - Hydrologist
Paul Sheeley-Environmental Engineer
Pat McCasland – EPI: enviplus1@aol.com

LABORATORY TEST REPORT

PETTIGREW and ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

AASHTO R18

DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS. III, P.E./P.S.

To: Environmental Plus
Attn: Roger Boone
P.O. Box 1558
Eunice, NM 88231

Material: Red Clay

Test Method: ASTM: D 2922

Project: Marathon Lea to Lynch

Date of Test: April 10, 2003

Depth: 1' Below Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	6" Gathering Eott - 15' W. & 20' S. of the NE Corner of Pit	100.0	7.8	
SG-2	10' N & 15' E. of the SW Corner of Pit	101.6	10.4	

Control Density: 110.4
ASTM: D 1557

Optimum Moisture: 15.6%

Required Compaction: 95%

Lab No.: 03 2235-2237

Copies To: Environmental Plus

PETTIGREW and ASSOCIATES

BY: [signature] S.E.T.

LABORATORY TEST REPORT

PETTIGREW and ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

AASHTO R18

DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS. III, P.E./P.S.

To: Environmental Plus
Attn: Roger Boone
P.O. Box 1558
Eunice, NM 88231

Material: Red Clay

Test Method: ASTM: D 2922

Project: Marathon Lea to Lynch

Date of Test: April 11, 2003

Depth: Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-3	10' W. & 5' S. of the NE Corner of Pit	104.0	8.4	
SG-4	5' N. & 8' W. of the SE Corner of Pit	101.9	10.3	

Control Density: 110.4
ASTM: D 1557

Optimum Moisture: 15.6%

Required Compaction: 95%

Lab No.: 03 2241-2243

Copies To: Environmental Plus

PETTIGREW and ASSOCIATES

BY: [signature] E.I.T.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☑ Final Report

Name of Company	Contact
EOTT Energy Pipeline LP	**Frank Hernandez**
Address	Telephone No.
P.O. Box 1660 Midland, TX 79702	**(915) 638-3799**
Facility Name	Facility Type
Marathon 6" Lea to Lynch	**Crude Oil Gathering Line**

Surface Owner	Mineral Owner	Lease No.
Kenneth Smith Inc.	**NA**	**NA**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from South Line	Feet from West Line	Longitude	Latitude	County:
M	**12**	**20S**	**34E**	**1000**	**770**	**103°31'10.94"W**	**32°34'59.46"N**	**Lea**

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Crude Oil Release and associated components	**165 bbl**	**140 bbl**
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
6" Steel Crude Oil Pipeline	**8/6/2002**	**8/6/02**
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? **Larry Johnson - NMOCD (Hobbs)**	
By Whom? **Frank Hernandez**	Date and Hour **8/6/2002 unknown hour**	
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse. **NA**	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Internally Corroded pipeline, repaired with clamps.

Describe Area Affected and Cleanup Action Taken.*
Area = 11600-ft². Site excavated to 20-ft bgs with contaminated soil disosed of at Controlled Recovery Inc. Contamination >20-ft left in place and isolated with impermeable compacted clay barrier. Support documentation and closure justification attached.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Frank Hernandez	**OIL CONSERVATION DIVISION**	
Printed Name: **Frank Hernandez**	Approved by District Supervisor:	
Title: **District Environmental Supv.**	Approval Date:	Expiration Date:
Date: **5/5/03** Phone: **(915) 638-3799**	Conditions of Approval:	☐ Attached

eott energy

Incident Date and NMOCD Notified?	
8/6/02	8/6/2002 unknown hour

SITE:	Marathon 6" Lea to Lynch	Assigned Site Reference	2002-10212
Company:	EOTT Energy Pipeline LP		
Street Address:	5805 East Highway 80		
Mailing Address:	P.O. Box 1660		
City, State, Zip:	Midland, TX 79702		
Representative:	Frank Hernandez		
Representative Telephone:	(915) 638-3799		
Telephone:			
Fluid volume released (bbls):	165	Recovered (bbls):	140

>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days.

5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)

Leak, Spill, or Pit (LSP) Name:	2002-10212
Source of contamination:	6" Steel Crude Oil Pipeline
Land Owner, i.e., BLM, ST, Fee, Other:	Kenneth Smith Inc. 267 Smith Ranch, Hobbs, NM 88240
LSP Dimensions:	Site diagrams attached
LSP Area:	11,600 -ft^2
Location of Reference Point (RP):	
Location distance and direction from RP:	
Latitude:	32°34'59.46"N
Longitude:	103°31'10.94"W
Elevation above mean sea level:	3600 -ft amsl
Feet from South Section Line:	1000
Feet from West Section Line:	770
Location - Unit and 1/4 1/4:	UL- M SW 1/4 of SW 1/4
Location - Section:	12
Location - Township:	20S
Location - Range:	34E
Surface water body within 1000' radius of Site:	0
Surface water body within 1000' radius of Site:	0
Domestic water wells within 1000' radius of Site:	0
Domestic water wells within 1000' radius of Site:	0
Agricultural water wells within 1000' radius of Site:	0
Agricultural water wells within 1000' radius of Site:	0
Public water supply wells within 1000' radius of Site:	0
Public water supply wells within 1000' radius of Site:	0
Depth (ft) from land surface to ground water (DG):	100
Depth (ft) of contamination (DC):	33
Depth (ft) to ground water (DG - DC = DtGW):	67

1. Ground Water	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or, <200' from private domestic water source: *20 points*	<200 horizontal feet: 20 points
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: 10 points
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or, >200' from private domestic water source: *0 points*	>1000 horizontal feet: 0 points
Ground water Score: 10	*Wellhead Protection Area Scor 0*	*Surface Water Score: 0*
Site Rank (1+2+3) = 10		

Total Site Ranking Score and Acceptable Concentrations

Parameter	20 or >	**10**	0
Benzene[1]	10 ppm	**10 ppm**	10 ppm
BTEX[1]	50 ppm	**50 ppm**	50 ppm
TPH	100 ppm	**1000 ppm**	5000 ppm

Environmental Lab of Texas
Analytical Results - Soil Sampling

ANALYTICAL REPORT

Prepared for:

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Project:	Marathon Lea to Lynch
PO#:	
Order#:	G0204313
Report Date:	08/27/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231
505-394-2601

Order#: G0204313
Project:
Project Name: Marathon Lea to Lynch
Location:

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204313-01	SEMLTL82102-D-WSW	SOIL	8/21/02 8:21	8/23/02 12:05	4 oz glas	Ice

Lab Testing: **Rejected:** No **Temp:** 4.0C

8015M
8021B/5030 BTEX

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204313
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204313-01
Sample ID: SEMLTL82102-D-WSW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/23/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002968-02		8/26/02 17:09	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	96%	73	115
Bromofluorobenzene	105%	72	110

Approval: Raland K Tuttle 8-27-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204313

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0002965-02			<10.0		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0002965-03		952	981	103.%	
CONTROL DUP SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0002965-04		952	1060	111.3%	7.7%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0002965-05		952	950	99.8%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204313

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0002968-02			<0.025		
Ethylbenzene-mg/kg	0002968-02			<0.025		
Toluene-mg/kg	0002968-02			<0.025		
p/m-Xylene-mg/kg	0002968-02			<0.025		
o-Xylene-mg/kg	0002968-02			<0.025		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0204304-02	0	0.1	0.103	103.%	
Ethylbenzene-mg/kg	0204304-02	0	0.1	0.106	106.%	
Toluene-mg/kg	0204304-02	0	0.1	0.106	106.%	
p/m-Xylene-mg/kg	0204304-02	0	0.2	0.222	111.%	
o-Xylene-mg/kg	0204304-02	0	0.1	0.106	106.%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0204304-02	0	0.1	0.109	109.%	5.7%
Ethylbenzene-mg/kg	0204304-02	0	0.1	0.111	111.%	4.6%
Toluene-mg/kg	0204304-02	0	0.1	0.110	110.%	3.7%
p/m-Xylene-mg/kg	0204304-02	0	0.2	0.225	112.5%	1.3%
o-Xylene-mg/kg	0204304-02	0	0.1	0.110	110.%	3.7%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0002968-05		0.1	0.115	115.%	
Ethylbenzene-mg/kg	0002968-05		0.1	0.110	110.%	
Toluene-mg/kg	0002968-05		0.1	0.114	114.%	
p/m-Xylene-mg/kg	0002968-05		0.2	0.229	114.5%	
o-Xylene-mg/kg	0002968-05		0.1	0.114	114.%	

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Pat McCasland
Company Name: Environmental Plus
Company Address: 2100 Ave O
City/State/Zip: Eunice NM 88231
Telephone No: (505) 394-3481 Fax No: (505) 394-2601
Sampler Signature: Bradley B.

Project Name: Macathan Lea to Lynch
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP / TOTAL: TDS / TPH 418.1 / TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
020313-01	SEMLTL82108-D WSW	8-21	1:25	1	X									X			X				X		

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: Ice 4°C.

Relinquished by	Date	Time	Received by	Date	Time
Bradley B.	8-21-02		Brett CIAT	8/23/02	6:00 pm
Relinquished by	Date	Time	Received by ELOT	Date	Time
Brett CIAT	8/23/02	12:05		8/23/02	1205

ANALYTICAL REPORT

Prepared for:

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Project: Marathon Lea to Lynch

PO#:

Order#: G0204315

Report Date: 08/28/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231
505-394-2601

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204315-01	SEMLTL82102-A-NSW	SOIL	8/21/02	8/23/02 12:05	4 OZ GLASS	ICED
	Lab Testing:	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204315-02	SEMLTL82102-A-SSW	SOIL	8/21/02	8/23/02 12:05	4 OZ GLASS	ICED
	Lab Testing:	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204315-03	SEMLTL82102-A-ESW	SOIL	8/21/02	8/23/02 12:05	4 OZ GLASS	ICED
	Lab Testing:	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204315-04	SEMLTL82102-B-NSW	SOIL	8/21/02	8/23/02 12:05	4 OZ GLASS	ICED
	Lab Testing:	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204315-05	SEMLTL82102-B-SSW	SOIL	8/21/02	8/23/02 12:05	4 OZ GLASS	ICED
	Lab Testing:	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204315-06	SEMLTL82102-C-NSW	SOIL	8/21/02	8/23/02 12:05	4 OZ GLASS	ICED
	Lab Testing:	Rejected: No		Temp: 4.0 C		
	8015M					
	8021B/5030 BTEX					
0204315-07	SEMLTL82102-C-ESW	SOIL	8/21/02	8/23/02 12:05	4 OZ GLASS	ICED
	Lab Testing:	Rejected: No		Temp: 4.0 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231
505-394-2601

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
	8015M 8021B/5030 BTEX					
0204315-08	SEMLTL82102-C-WSW	SOIL	8/21/02	8/23/02 12:05	4 OZ GLASS	ICED
	Lab Testing:	**Rejected:** No		**Temp:** 4.0 C		
	8015M 8021B/5030 BTEX					
0204315-09	SEMLTL82102-D-SSW	SOIL	8/21/02	8/23/02 12:05	4 OZ GLASS	ICED
	Lab Testing:	**Rejected:** No		**Temp:** 4.0 C		
	8015M 8021B/5030 BTEX					
0204315-10	SEMLTL82102-D-ESW	SOIL	8/21/02	8/23/02 12:05	4 OZ GLASS	ICED
	Lab Testing:	**Rejected:** No		**Temp:** 4.0 C		
	8015M 8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204315-01
Sample ID: SEMLTL82102-A-NSW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/23/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002968-02		8/26/02 17:32	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	100%	80	120
Bromofluorobenzene	109%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204315-02
Sample ID: SEMLTL82102-A-SSW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/23/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	6230	100
DRO, >C12-C35	17700	100
TOTAL, C6-C35	23930	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002968-02		8/26/02 17:54	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	0.666	0.100
Ethylbenzene	16.2	0.100
Toluene	7.90	0.100
p/m-Xylene	37.1	0.100
o-Xylene	18.8	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	215%	80	120
Bromofluorobenzene	162%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204315-03
Sample ID: SEMLTL82102-A-ESW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/23/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**6780**	100
DRO, >C12-C35	**19300**	100
TOTAL, C6-C35	**26080**	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002968-02		8/26/02 18:16	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**0.311**	0.100
Ethylbenzene	**6.47**	0.100
Toluene	**3.54**	0.100
p/m-Xylene	**18.3**	0.100
o-Xylene	**6.98**	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**137%**	**80**	**120**
Bromofluorobenzene	**156%**	**80**	**120**

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204315-04
Sample ID: SEMLTL82102-B-NSW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/23/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002968-02		8/26/02 18:38	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	101%	80	120
Bromofluorobenzene	114%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204315-05
Sample ID: SEMLTL82102-B-SSW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/23/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002983-02		8/27/02 12:12	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	77%	80	120
Bromofluorobenzene	93%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204315-06
Sample ID: SEMLTL82102-C-NSW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/23/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	72.8	10.0
TOTAL, C6-C35	72.8	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002968-02		8/26/02 14:31	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	99%	80	120
Bromofluorobenzene	108%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204315-07
Sample ID: SEMLTL82102-C-ESW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/23/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002983-02		8/28/02 10:05	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	123%	80	120
Bromofluorobenzene	117%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204315-08
Sample ID: SEMLTL82102-C-WSW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/23/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	212	10.0
TOTAL, C6-C35	212	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002983-02		8/27/02 15:10	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	100%	80	120
Bromofluorobenzene	111%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204315-09
Sample ID: SEMLTL82102-D-SSW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/23/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002983-02		8/27/02 16:15	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	114%	80	120
Bromofluorobenzene	116%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Pat McCasland
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Order#: G0204315
Project:
Project Name: Marathon Lea to Lynch
Location:

Lab ID: 0204315-10
Sample ID: SEMLTL82102-D-ESW

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		8/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002983-02		8/27/02 16:37	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	106%	80	120
Bromofluorobenzene	109%	80	120

Approval: Raland K Tuttle 8-30-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204315

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0002965-02			<10.0		
TOTAL, C6-C35-mg/kg	0002967-02			<10.0		
CONTROL SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0002965-03		952	981	103.%	
TOTAL, C6-C35-mg/kg	0002967-03		1000	983	98.3%	
CONTROL DUP SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0002965-04		952	1060	111.3%	7.7%
TOTAL, C6-C35-mg/kg	0002967-04		1000	932	93.2%	5.3%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0002965-05		952	950	99.8%	
TOTAL, C6-C35-mg/kg	0002967-05		1000	978	97.8%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204315

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0002968-02			<0.025		
Benzene-mg/kg	0002983-02			<0.025		
Ethylbenzene-mg/kg	0002968-02			<0.025		
Ethylbenzene-mg/kg	0002983-02			<0.025		
Toluene-mg/kg	0002968-02			<0.025		
Toluene-mg/kg	0002983-02			<0.025		
p/m-Xylene-mg/kg	0002968-02			<0.025		
p/m-Xylene-mg/kg	0002983-02			<0.025		
o-Xylene-mg/kg	0002968-02			<0.025		
o-Xylene-mg/kg	0002983-02			<0.025		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0204304-02	0	0.1	0.103	103.%	
Benzene-mg/kg	0204361-05	0	0.1	0.089	89.%	
Ethylbenzene-mg/kg	0204304-02	0	0.1	0.106	106.%	
Ethylbenzene-mg/kg	0204361-05	0	0.1	0.090	90.%	
Toluene-mg/kg	0204304-02	0	0.1	0.106	106.%	
Toluene-mg/kg	0204361-05	0	0.1	0.091	91.%	
p/m-Xylene-mg/kg	0204304-02	0	0.2	0.222	111.%	
p/m-Xylene-mg/kg	0204361-05	0	0.2	0.188	94.%	
o-Xylene-mg/kg	0204304-02	0	0.1	0.106	106.%	
o-Xylene-mg/kg	0204361-05	0	0.1	0.091	91.%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0204304-02	0	0.1	0.109	109.%	5.7%
Benzene-mg/kg	0204361-05	0	0.1	0.091	91.%	2.2%
Ethylbenzene-mg/kg	0204304-02	0	0.1	0.111	111.%	4.6%
Ethylbenzene-mg/kg	0204361-05	0	0.1	0.092	92.%	2.2%
Toluene-mg/kg	0204304-02	0	0.1	0.110	110.%	3.7%
Toluene-mg/kg	0204361-05	0	0.1	0.093	93.%	2.2%
p/m-Xylene-mg/kg	0204304-02	0	0.2	0.225	112.5%	1.3%
p/m-Xylene-mg/kg	0204361-05	0	0.2	0.191	95.5%	1.6%
o-Xylene-mg/kg	0204304-02	0	0.1	0.110	110.%	3.7%
o-Xylene-mg/kg	0204361-05	0	0.1	0.092	92.%	1.1%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
Benzene-mg/kg	0002968-05		0.1	0.115	115.%	
Benzene-mg/kg	0002983-05		0.1	0.094	94.%	
Ethylbenzene-mg/kg	0002968-05		0.1	0.110	110.%	
Ethylbenzene-mg/kg	0002983-05		0.1	0.094	94.%	
Toluene-mg/kg	0002968-05		0.1	0.114	114.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Toluene-mg/kg	0002983-05		0.1	0.096	96.%	
p/m-Xylene-mg/kg	0002968-05		0.2	0.229	114.5%	
p/m-Xylene-mg/kg	0002983-05		0.2	0.194	97.%	
o-Xylene-mg/kg	0002968-05		0.1	0.114	114.%	
o-Xylene-mg/kg	0002983-05		0.1	0.094	94.%	

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Pat McCasland
Company Name: Environmental Plus
Company Address: 2100 Ave O
City/State/Zip: Eunice N.M 88231
Telephone No: 505-394-3481
Fax No: 505-394-2601
Sampler Signature: Bradley Blevins

Project Name: Marathon Lea to Lynch.
Project #:
Project Loc:
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TDS, Cl, SAR, EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030							RUSH TAT (Pre-Schedule)	Standard TAT
0204315-01	SEMLTL82102-A-NSW	8-21	12:40	1	X									X					X				X								
2	SEMLTL82102-A-SSW	8-21	12:45	1	X									X					X				X								
3	SEMLTL82102-A-ESW	8-21	12:35	1	X									X					X				X								
4	SEMLTL82102-B-NSW	8-21	12:50	1	X									X					X				X								
5	SEMLTL82102-B-SSW	8-21	12:55	1	X									X					X				X								
6	SEMLTL82102-C-NSW	8-21	1:00	1	X									X					X				X								
7	SEMLTL82102-C-ESW	8-21	1:05	1	X									X					X				X								
8	SEMLTL82102-C-WSW	8-21	1:10	1	X									X					X				X								
9	SEMLTL82102-D-SSW	8-21	1:15	1	X									X					X				X								
10	SEMLTL82102-D-ESW	8-21	1:20	1	X									X					X				X								

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
Bradley Blevins	8-21-02		Brett C/A	8/23/02	6:00 am
Relinquished by: Brett C/A	8/23/02	12:05	Received by ELOT: [signature]	8/23/02	1205

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
rec 4°C.

ANALYTICAL REPORT

Prepared for:

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Project:	EOTT Lea to Lynch
PO#:	2002-10212
Order#:	G0204556
Report Date:	09/25/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706
915-684-3456

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204556-01	SELL91802BH1-25'	SOIL	9/18/02 8:00	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 4.5 C		
	8015M					
	8021B/5030 BTEX					
0204556-02	SELL91802BH1-30'	SOIL	9/18/02 8:15	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 4.5 C		
	8015M					
	8021B/5030 BTEX					
0204556-03	SELL91802BH1-20'	SOIL	9/18/02 7:50	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 4.5 C		
	8015M					
	8021B/5030 BTEX					
0204556-04	SELL91802BH2-20'	SOIL	9/18/02 8:30	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 4.5 C		
	8015M					
	8021B/5030 BTEX					
0204556-05	SELL91802BH2-25'	SOIL	9/18/02 8:40	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 4.5 C		
	8015M					
	8021B/5030 BTEX					
0204556-06	SELL91802BH2-30'	SOIL	9/18/02 8:50	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 4.5 C		
	8015M					
	8021B/5030 BTEX					
0204556-07	SELL91802BH3-20'	SOIL	9/18/02 9:10	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 4.5 C		

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SAMPLE WORK LIST

ENRON TRANSPORTATION SYSTEMS
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MIDLAND, TX 79706
915-684-3456

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

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Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
	8015M 8021B/5030 BTEX					
0204556-08	SELL91802BH3-25'	SOIL	9/18/02 9:20	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 4.5 C		
	8015M 8021B/5030 BTEX					
0204556-09	SELL91802BH3-30'	SOIL	9/18/02 9:35	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 4.5 C		
	8015M 8021B/5030 BTEX					
0204556-10	SELL91802BH4-20'	SOIL	9/18/02 10:15	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 4.5 C		
	8015M 8021B/5030 BTEX					
0204556-11	SELL91802BH4-25'	SOIL	9/18/02 10:30	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 4.5 C		
	8015M 8021B/5030 BTEX					
0204556-12	SELL91802BH4-30'	SOIL	9/18/02 11:00	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 4.5 C		
	8015M 8021B/5030 BTEX					
0204556-13	SELL91802BH5-20'	SOIL	9/18/02 12:40	9/19/02 12:35	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 4.5 C		
	8015M 8021B/5030 BTEX					

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SAMPLE WORK LIST

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706
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Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

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Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204556-14	SELL91802BH5-25'	SOIL	9/18/02 12:55	9/19/02 12:35	4 oz glass	Ice
	Lab Testing: 8015M, 8021B/5030 BTEX	**Rejected:** No		**Temp:** 4.5 C		
0204556-15	SELL91802BH5-30'	SOIL	9/18/02 13:10	9/19/02 12:35	4 oz glass	Ice
	Lab Testing: 8015M, 8021B/5030 BTEX	**Rejected:** No		**Temp:** 4.5 C		
0204556-16	SELL91802BH5-35'	SOIL	9/18/02 13:30	9/19/02 12:35	4 oz glass	Ice
	Lab Testing: 8015M, 8021B/5030 BTEX	**Rejected:** No		**Temp:** 4.5 C		
0204556-17	SELL91802BH5-40'	SOIL	9/18/02 14:30	9/19/02 12:35	4 oz glass	Ice
	Lab Testing: 8015M, 8021B/5030 BTEX	**Rejected:** No		**Temp:** 4.5 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204556
Project:	2002-10212
Project Name:	EOTT Lea to Lynch
Location:	None Given

Lab ID: 0204556-01
Sample ID: SELL91802BH1-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/23/02 15:35	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	0.042	0.025
Toluene	0.054	0.025
p/m-Xylene	0.078	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	94%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204556
Project:	2002-10212
Project Name:	EOTT Lea to Lynch
Location:	None Given

Lab ID: 0204556-02
Sample ID: SELL91802BH1-30'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/23/02 16:21	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	101%	80	120
Bromofluorobenzene	97%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

Lab ID: 0204556-03
Sample ID: SELL91802BH1-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**13200**	100
DRO, >C12-C35	**28400**	100
TOTAL, C6-C35	**41600**	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/24/02 1:36	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**0.360**	0.100
Ethylbenzene	**71.3**	0.100
Toluene	**13.8**	0.100
p/m-Xylene	**85.8**	0.100
o-Xylene	**51.3**	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**180%**	**80**	**120**
Bromofluorobenzene	**141%**	**80**	**120**

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ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

Lab ID: 0204556-04
Sample ID: SELL91802BH2-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**14.8**	10.0
DRO, >C12-C35	**159**	10.0
TOTAL, C6-C35	**174**	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/23/02 16:42	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.025**	0.025
Ethylbenzene	**<0.025**	0.025
Toluene	**<0.025**	0.025
p/m-Xylene	**<0.025**	0.025
o-Xylene	**<0.025**	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**94%**	**80**	**120**
Bromofluorobenzene	**101%**	**80**	**120**

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ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204556
Project:	2002-10212
Project Name:	EOTT Lea to Lynch
Location:	None Given

Lab ID: 0204556-05
Sample ID: SELL91802BH2-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/22/02 19:34	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	96%	80	120

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ANALYTICAL REPORT

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5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

Lab ID: 0204556-06
Sample ID: SELL91802BH2-30'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/22/02 19:56	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	98%	80	120
Bromofluorobenzene	98%	80	120

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ANALYTICAL REPORT

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5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204556
Project:	2002-10212
Project Name:	EOTT Lea to Lynch
Location:	None Given

Lab ID: 0204556-07
Sample ID: SELL91802BH3-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	5000	100
DRO, >C12-C35	17900	100
TOTAL, C6-C35	22900	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/22/02 20:18	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	4.07	0.025
Ethylbenzene	15.2	0.025
Toluene	20.9	0.025
p/m-Xylene	30.5	0.025
o-Xylene	15.4	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	1240%	80	120
Bromofluorobenzene	152%	80	120

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ANALYTICAL REPORT

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5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204556
Project:	2002-10212
Project Name:	EOTT Lea to Lynch
Location:	None Given

Lab ID: 0204556-08
Sample ID: SELL91802BH3-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/22/02 20:41	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	103%	80	120
Bromofluorobenzene	104%	80	120

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ANALYTICAL REPORT

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ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

Lab ID: 0204556-09
Sample ID: SELL91802BH3-30'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/23/02 20:05	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	83%	80	120
Bromofluorobenzene	94%	80	120

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ANALYTICAL REPORT

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ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204556
Project:	2002-10212
Project Name:	EOTT Lea to Lynch
Location:	None Given

Lab ID: 0204556-10
Sample ID: SELL91802BH4-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**8570**	100
DRO, >C12-C35	**11800**	100
TOTAL, C6-C35	**20370**	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/24/02 1:58	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**<0.100**	0.100
Ethylbenzene	**2.57**	0.100
Toluene	**0.504**	0.100
p/m-Xylene	**3.78**	0.100
o-Xylene	**1.52**	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**103%**	**80**	**120**
Bromofluorobenzene	**115%**	**80**	**120**

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ANALYTICAL REPORT

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5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

Lab ID: 0204556-11
Sample ID: SELL91802BH4-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/23/02 17:49	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	99%	80	120
Bromofluorobenzene	103%	80	120

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ANALYTICAL REPORT

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ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

Lab ID: 0204556-12
Sample ID: SELL91802BH4-30'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/22/02 22:53	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	109%	80	120
Bromofluorobenzene	110%	80	120

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ANALYTICAL REPORT

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5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204556
Project:	2002-10212
Project Name:	EOTT Lea to Lynch
Location:	None Given

Lab ID: 0204556-13
Sample ID: SELL91802BH5-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	10900	100
DRO, >C12-C35	26600	100
TOTAL, C6-C35	37500	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/22/02 23:15	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	4.70	0.100
Ethylbenzene	38.7	0.100
Toluene	37.4	0.100
p/m-Xylene	78.8	0.100
o-Xylene	43.3	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	663%	80	120
Bromofluorobenzene	153%	80	120

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ANALYTICAL REPORT

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ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

Lab ID: 0204556-14
Sample ID: SELL91802BH5-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	13400	100
DRO, >C12-C35	14400	100
TOTAL, C6-C35	27800	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003200-02		9/22/02 23:38	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	44.9	0.100
Ethylbenzene	80.8	0.100
Toluene	150	0.100
p/m-Xylene	140	0.100
o-Xylene	68.8	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	2860%	80	120
Bromofluorobenzene	164%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

Lab ID: 0204556-15
Sample ID: SELL91802BH5-30'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	3220	100
DRO, >C12-C35	4440	100
TOTAL, C6-C35	7660	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003221-02		9/24/02 2:21	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.100	0.100
Ethylbenzene	0.223	0.100
Toluene	<0.100	0.100
p/m-Xylene	0.340	0.100
o-Xylene	0.101	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	100%	80	120
Bromofluorobenzene	106%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

Lab ID: 0204556-16
Sample ID: SELL91802BH5-35'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003221-02		9/24/02 3:05	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	97%	80	120
Bromofluorobenzene	102%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556
Project: 2002-10212
Project Name: EOTT Lea to Lynch
Location: None Given

Lab ID: 0204556-17
Sample ID: SELL91802BH5-40'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003221-02		9/25/02 17:07	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	106%	80	120
Bromofluorobenzene	106%	80	120

Approval: Raland K Tuttle 9-26-02
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204556

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0003204-02			<10.0		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0204556-01	0	952	1180	123.9%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0204556-01	0	952	1180	123.9%	0.%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0003204-05		1000	1210	121.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204556

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0003200-02			<0.025		
Benzene-mg/kg	0003221-02			<0.025		
Ethylbenzene-mg/kg	0003200-02			<0.025		
Ethylbenzene-mg/kg	0003221-02			<0.025		
Toluene-mg/kg	0003200-02			<0.025		
Toluene-mg/kg	0003221-02			<0.025		
p/m-Xylene-mg/kg	0003200-02			<0.025		
p/m-Xylene-mg/kg	0003221-02			<0.025		
o-Xylene-mg/kg	0003200-02			<0.025		
o-Xylene-mg/kg	0003221-02			<0.025		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0204556-09	0	0.1	0.099	99.%	
Benzene-mg/kg	0204564-02	0	0.1	0.102	102.%	
Ethylbenzene-mg/kg	0204556-09	0	0.1	0.104	104.%	
Ethylbenzene-mg/kg	0204564-02	0	0.1	0.106	106.%	
Toluene-mg/kg	0204556-09	0	0.1	0.103	103.%	
Toluene-mg/kg	0204564-02	0	0.1	0.106	106.%	
p/m-Xylene-mg/kg	0204556-09	0	0.2	0.220	110.%	
p/m-Xylene-mg/kg	0204564-02	0	0.2	0.226	113.%	
o-Xylene-mg/kg	0204556-09	0	0.1	0.102	102.%	
o-Xylene-mg/kg	0204564-02	0	0.1	0.106	106.%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0204556-09	0	0.1	0.101	101.%	2.%
Benzene-mg/kg	0204564-02	0	0.1	0.106	106.%	3.8%
Ethylbenzene-mg/kg	0204556-09	0	0.1	0.105	105.%	1.%
Ethylbenzene-mg/kg	0204564-02	0	0.1	0.114	114.%	7.3%
Toluene-mg/kg	0204556-09	0	0.1	0.104	104.%	1.%
Toluene-mg/kg	0204564-02	0	0.1	0.112	112.%	5.5%
p/m-Xylene-mg/kg	0204556-09	0	0.2	0.221	110.5%	0.5%
p/m-Xylene-mg/kg	0204564-02	0	0.2	0.230	115.%	1.8%
o-Xylene-mg/kg	0204556-09	0	0.1	0.104	104.%	1.9%
o-Xylene-mg/kg	0204564-02	0	0.1	0.112	112.%	5.5%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0003200-05		0.1	0.111	111.%	
Benzene-mg/kg	0003221-05		0.1	0.100	100.%	
Ethylbenzene-mg/kg	0003200-05		0.1	0.115	115.%	
Ethylbenzene-mg/kg	0003221-05		0.1	0.102	102.%	
Toluene-mg/kg	0003200-05		0.1	0.114	114.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Toluene-mg/kg	0003221-05		0.1	0.104	104.%	
p/m-Xylene-mg/kg	0003200-05		0.2	0.229	114.5%	
p/m-Xylene-mg/kg	0003221-05		0.2	0.218	109.%	
o-Xylene-mg/kg	0003200-05		0.1	0.114	114.%	
o-Xylene-mg/kg	0003221-05		0.1	0.102	102.%	

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204556

Project: EOTT Lea to Lynch

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
SELL91802BH1-25'	0204556-01	SOIL	09/18/2002	09/19/2002
SELL91802BH1-30'	0204556-02	SOIL	09/18/2002	09/19/2002
SELL91802BH1-20'	0204556-03	SOIL	09/18/2002	09/19/2002
SELL91802BH2-20'	0204556-04	SOIL	09/18/2002	09/19/2002
SELL91802BH2-25'	0204556-05	SOIL	09/18/2002	09/19/2002
SELL91802BH2-30'	0204556-06	SOIL	09/18/2002	09/19/2002
SELL91802BH3-20'	0204556-07	SOIL	09/18/2002	09/19/2002
SELL91802BH3-25'	0204556-08	SOIL	09/18/2002	09/19/2002
SELL91802BH3-30'	0204556-09	SOIL	09/18/2002	09/19/2002
SELL91802BH4-20'	0204556-10	SOIL	09/18/2002	09/19/2002
SELL91802BH4-25'	0204556-11	SOIL	09/18/2002	09/19/2002
SELL91802BH4-30'	0204556-12	SOIL	09/18/2002	09/19/2002
SELL91802BH5-20'	0204556-13	SOIL	09/18/2002	09/19/2002
SELL91802BH5-25'	0204556-14	SOIL	09/18/2002	09/19/2002
SELL91802BH5-30'	0204556-15	SOIL	09/18/2002	09/19/2002
SELL91802BH5-35'	0204556-16	SOIL	09/18/2002	09/19/2002
SELL91802BH5-40'	0204556-17	SOIL	09/18/2002	09/19/2002

Surrogate recoveries are outside control limits due to interference from coeluting compounds

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By: _____ Date: 9/25/02

Environmental Lab of Texas I, Ltd.

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: FRANK HERNANDEZ

Company Name: EOTT ENERGY PIPELINE

Company Address: 5805 E. HIGHWAY 80

City/State/Zip: MIDLAND TX 79701

Telephone No: 915-638-3799

Sampler Signature: Bradley Blevins

Project Name: EOTT Lea to Lynch

Project #: 2002-10212

Project Loc:

PO#:

Analyze For

020456		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals	Volatiles	Semivolatiles	btex 8021B/5030	Reactivity	Corrosivity	Ignitiability				RUSH TAT	Standard TAT
01	SELL91802BH1-25'	9-18-02	8:00	1	X									X					X				X								
02	SELL91802BH1-30	9-18-02	8:15	1	X									X					X				X								
03	SELL91802BH1-20'	9-18-02	7:50	1	X									X					X				X								
04	SELL91802BH2-20'	9-18-02	8:30	1	X									X					X				X								
05	SELL91802BH2-25'	9-18-02	8:40	1	X									X					X				X								
06	SELL91802BH2-30'	9-18-02	8:50	1	X									X					X				X								
07	SELL91802BH3-20'	9-18-02	9:10	1	X									X					X				X								
08	SELL91802BH3-25'	9-18-02	9:20	1	X									X					X				X								
09	SELL91802BH3-30'	9-18-02	9:35	1	X									X					X				X								
10	SELL91802BH4-20	9-18-02	10:15	1	X									X					X				X								
11	SELL91802BH4-25'	9-18-02	10:30	1	X									X					X				X								
12	SELL91802BH4-30'	9-18-02	11:00	1	X									X					X				X								
13	SELL91802BH5-20'	9-18-02	12:40	1	X									X					X				X								
14	SELL91802BH5-25	9-18-02	12:55	1	X									X					X				X								
15	SELL91802BH5-30	9-18-02	1:10	1	X									X					X				X								
16	SELL91802BH5-35'	9-18-02	1:30	1	X									X					X				X								
17	SELL91802BH5-40'	9-18-02	2:30	1	X									X					X				X								

Special Instructions

FAX RESULTS TO PAT MCCASLAND ASAP

Relinquished:	Date	Time	Received by:	Date	Time
Bradley Blevins	9-19	9:00		9/19	12:35
Relinquished	Date	Time	Received by	Date	Time

Sample Containers Int. (Y) N

Temperature Upon Request

Laboratory Comments:

4.5°C

ANALYTICAL REPORT

Prepared for:

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Project:	Lea to Lynch
PO#:	2002-10212
Order#:	G0204591
Report Date:	09/30/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706
915-684-3456

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204591-01	SELL91902BH6-20'	SOIL	9/19/02 8:00	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-02	SELL91902BH6-25'	SOIL	9/19/02 8:15	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-03	SELL91902BH6-30'	SOIL	9/19/02 8:40	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-04	SELL91902BH6-35'	SOIL	9/19/02 9:00	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-05	SELL91902BH6-40'	SOIL	9/19/02 9:25	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-06	SELL91902BH7-20'	SOIL	9/19/02 10:15	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-07	SELL91902BH7-25'	SOIL	9/19/02 10:25	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706
915-684-3456

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
	8015M 8021B/5030 BTEX					
0204591-08	SELL91902BH7-30'	SOIL	9/19/02 10:35	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					
0204591-09	SELL91902BH7-35'	SOIL	9/19/02 10:45	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					
0204591-10	SELL91902BH7-40'	SOIL	9/19/02 11:00	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					
0204591-11	SELL91902BH8-15'	SOIL	9/19/02 11:30	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					
0204591-12	SELL91902BH8-20'	SOIL	9/19/02 11:40	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					
0204591-13	SELL91902BH8-25'	SOIL	9/19/02 11:50	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706
915-684-3456

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204591-14	SELL91902BH9-15'	SOIL	9/19/02 12:15	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-15	SELL91902BH9-20'	SOIL	9/19/02 12:25	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-16	SELL91902BH9-25'	SOIL	9/19/02 12:35	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-17	SELL91902BH10-15'	SOIL	9/19/02 13:40	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-18	SELL91902BH10-20'	SOIL	9/19/02 14:00	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204591-19	SELL91902BH10-25'	SOIL	9/19/02 14:20	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M					
	8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204591-01
Sample ID: SELL91902BH6-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	11900	100
DRO, >C12-C35	29100	100
TOTAL, C6-C35	41000	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 23:33	1	200	CK	8021B

Parameter	Result mg/kg	RL
Benzene	11.7	0.200
Ethylbenzene	50.1	0.200
Toluene	56.8	0.200
p/m-Xylene	99.8	0.200
o-Xylene	52.5	0.200

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	636%	80	120
Bromofluorobenzene	150%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204591
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204591-02
Sample ID: SELL91902BH6-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**19300**	100
DRO, >C12-C35	**19000**	100
TOTAL, C6-C35	**38300**	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/29/02 0:17	1	200	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**56.8**	0.200
Ethylbenzene	**101**	0.200
Toluene	**199**	0.200
p/m-Xylene	**195**	0.200
o-Xylene	**89.2**	0.200

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**1750%**	**80**	**120**
Bromofluorobenzene	**146%**	**80**	**120**

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204591
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204591-03
Sample ID: SELL91902BH6-30'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	4960	50.0
DRO, >C12-C35	6050	50.0
TOTAL, C6-C35	11010	50.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 19:07	1	200	CK	8021B

Parameter	Result mg/kg	RL
Benzene	15.4	0.200
Ethylbenzene	39.2	0.200
Toluene	67.5	0.200
p/m-Xylene	78.0	0.200
o-Xylene	33.3	0.200

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	829%	80	120
Bromofluorobenzene	123%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204591
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204591-04
Sample ID: SELL91902BH6-35'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	32.4	10.0
TOTAL, C6-C35	32.4	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 19:29	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	89%	80	120
Bromofluorobenzene	94%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204591
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204591-05
Sample ID: SELL91902BH6-40'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 19:51	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	101%	80	120
Bromofluorobenzene	105%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204591
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204591-06
Sample ID: SELL91902BH7-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	5760	100
DRO, >C12-C35	15000	100
TOTAL, C6-C35	20760	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 20:14	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	4.26	0.100
Ethylbenzene	18.4	0.100
Toluene	21.4	0.100
p/m-Xylene	37.3	0.100
o-Xylene	19.7	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	498%	80	120
Bromofluorobenzene	119%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204591-07
Sample ID: SELL91902BH7-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	18200	100
DRO, >C12-C35	18700	100
TOTAL, C6-C35	36900	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 20:36	1	200	CK	8021B

Parameter	Result mg/kg	RL
Benzene	64.2	0.200
Ethylbenzene	115	0.200
Toluene	226	0.200
p/m-Xylene	207	0.200
o-Xylene	97.3	0.200

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	1920%	80	120
Bromofluorobenzene	150%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204591
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204591-08
Sample ID: SELL91902BH7-30'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	206	10.0
DRO, >C12-C35	505	10.0
TOTAL, C6-C35	711	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 20:58	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	0.047	0.025
Ethylbenzene	0.610	0.025
Toluene	0.319	0.025
p/m-Xylene	1.53	0.025
o-Xylene	0.603	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	109%	80	120
Bromofluorobenzene	112%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204591
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204591-09
Sample ID: SELL91902BH7-35'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 21:20	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	96%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204591-10
Sample ID: SELL91902BH7-40'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 21:42	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	98%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204591-11
Sample ID: SELL91902BH8-15'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	126	10.0
TOTAL, C6-C35	126	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 22:04	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	95%	80	120
Bromofluorobenzene	98%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204591-12
Sample ID: SELL91902BH8-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 22:26	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	97%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204591
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204591-13
Sample ID: SELL91902BH8-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 22:49	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	91%	80	120
Bromofluorobenzene	97%	80	120

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204591
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204591-14
Sample ID: SELL91902BH9-15'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	**4780**	100
DRO, >C12-C35	**18000**	100
TOTAL, C6-C35	**22780**	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/28/02 23:11	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	**0.836**	0.025
Ethylbenzene	**11.9**	0.025
Toluene	**10.4**	0.025
p/m-Xylene	**26.4**	0.025
o-Xylene	**13.6**	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	**514%**	**80**	**120**
Bromofluorobenzene	**136%**	**80**	**120**

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204591-15
Sample ID: SELL91902BH9-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	33.0	10.0
TOTAL, C6-C35	33.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/29/02 11:11	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	96%	80	120
Bromofluorobenzene	99%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204591-16
Sample ID: SELL91902BH9-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/29/02 11:34	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	94%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204591-17
Sample ID: SELL91902BH10-15'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	772	50.0
DRO, >C12-C35	4850	50.0
TOTAL, C6-C35	5622	50.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003247-02		9/29/02 11:56	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	0.026	0.025
Ethylbenzene	0.471	0.025
Toluene	0.261	0.025
p/m-Xylene	1.33	0.025
o-Xylene	0.728	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	105%	80	120
Bromofluorobenzene	107%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ		Order#:	G0204591
ENRON TRANSPORTATION SYSTEMS		Project:	2002-10212
5805 E. HWY. 80		Project Name:	Lea to Lynch
MIDLAND, TX 79706		Location:	None Given

Lab ID: 0204591-18
Sample ID: SELL91902BH10-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/24/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 13:47	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	84%	80	120
Bromofluorobenzene	97%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204591
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204591-19
Sample ID: SELL91902BH10-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 14:09	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	85%	80	120
Bromofluorobenzene	100%	80	120

Approval: Raland K Tuttle 9-30-02
Raland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204591

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0003227-02			<10.0		
TOTAL, C6-C35-mg/kg	0003233-02			<10.0		
CONTROL SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0003227-03		952	1090	114.5%	
CONTROL DUP SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0003227-04		952	1060	111.3%	2.8%
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0204591-10	0	952	946	99.4%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0204591-10	0	952	912	95.8%	3.7%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0003227-05		1000	894	89.4%	
TOTAL, C6-C35-mg/kg	0003233-05		1000	1190	119.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204591

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0003247-02			<0.025		
Benzene-mg/kg	0003253-02			<0.025		
Ethylbenzene-mg/kg	0003247-02			<0.025		
Ethylbenzene-mg/kg	0003253-02			<0.025		
Toluene-mg/kg	0003247-02			<0.025		
Toluene-mg/kg	0003253-02			<0.025		
p/m-Xylene-mg/kg	0003247-02			<0.025		
p/m-Xylene-mg/kg	0003253-02			<0.025		
o-Xylene-mg/kg	0003247-02			<0.025		
o-Xylene-mg/kg	0003253-02			<0.025		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0204591-15	0	0.1	0.099	99.%	
Benzene-mg/kg	0204592-05	0	0.1	0.098	98.%	
Ethylbenzene-mg/kg	0204591-15	0	0.1	0.108	108.%	
Ethylbenzene-mg/kg	0204592-05	0	0.1	0.100	100.%	
Toluene-mg/kg	0204591-15	0	0.1	0.104	104.%	
Toluene-mg/kg	0204592-05	0	0.1	0.100	100.%	
p/m-Xylene-mg/kg	0204591-15	0	0.2	0.225	112.5%	
p/m-Xylene-mg/kg	0204592-05	0	0.2	0.212	106.%	
o-Xylene-mg/kg	0204591-15	0	0.1	0.104	104.%	
o-Xylene-mg/kg	0204592-05	0	0.1	0.100	100.%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0204591-15	0	0.1	0.098	98.%	1.%
Benzene-mg/kg	0204592-05	0	0.1	0.099	99.%	1.%
Ethylbenzene-mg/kg	0204591-15	0	0.1	0.112	112.%	3.6%
Ethylbenzene-mg/kg	0204592-05	0	0.1	0.102	102.%	2.%
Toluene-mg/kg	0204591-15	0	0.1	0.100	100.%	3.9%
Toluene-mg/kg	0204592-05	0	0.1	0.102	102.%	2.%
p/m-Xylene-mg/kg	0204591-15	0	0.2	0.229	114.5%	1.8%
p/m-Xylene-mg/kg	0204592-05	0	0.2	0.217	108.5%	2.3%
o-Xylene-mg/kg	0204591-15	0	0.1	0.108	108.%	3.8%
o-Xylene-mg/kg	0204592-05	0	0.1	0.103	103.%	3.%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0003247-05		0.1	0.098	98.%	
Benzene-mg/kg	0003253-05		0.1	0.100	100.%	
Ethylbenzene-mg/kg	0003247-05		0.1	0.103	103.%	
Ethylbenzene-mg/kg	0003253-05		0.1	0.103	103.%	
Toluene-mg/kg	0003247-05		0.1	0.102	102.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204591

SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Toluene-mg/kg	0003253-05		0.1	0.103	103.%	
p/m-Xylene-mg/kg	0003247-05		0.2	0.217	108.5%	
p/m-Xylene-mg/kg	0003253-05		0.2	0.218	109.%	
o-Xylene-mg/kg	0003247-05		0.1	0.103	103.%	
o-Xylene-mg/kg	0003253-05		0.1	0.103	103.%	

CASE NARRATIVE
ENVIRONMENTAL LAB OF TEXAS

Prepared for:

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204591

Project: Lea to Lynch

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
SELL91902BH6-20'	0204591-01	SOIL	09/19/2002	09/23/2002
SELL91902BH6-25'	0204591-02	SOIL	09/19/2002	09/23/2002
SELL91902BH6-30'	0204591-03	SOIL	09/19/2002	09/23/2002
SELL91902BH6-35'	0204591-04	SOIL	09/19/2002	09/23/2002
SELL91902BH6-40'	0204591-05	SOIL	09/19/2002	09/23/2002
SELL91902BH7-20'	0204591-06	SOIL	09/19/2002	09/23/2002
SELL91902BH7-25'	0204591-07	SOIL	09/19/2002	09/23/2002
SELL91902BH7-30'	0204591-08	SOIL	09/19/2002	09/23/2002
SELL91902BH7-35'	0204591-09	SOIL	09/19/2002	09/23/2002
SELL91902BH7-40'	0204591-10	SOIL	09/19/2002	09/23/2002
SELL91902BH8-15'	0204591-11	SOIL	09/19/2002	09/23/2002
SELL91902BH8-20'	0204591-12	SOIL	09/19/2002	09/23/2002
SELL91902BH8-25'	0204591-13	SOIL	09/19/2002	09/23/2002
SELL91902BH9-15'	0204591-14	SOIL	09/19/2002	09/23/2002
SELL91902BH9-20'	0204591-15	SOIL	09/19/2002	09/23/2002
SELL91902BH9-25'	0204591-16	SOIL	09/19/2002	09/23/2002
SELL91902BH10-15	0204591-17	SOIL	09/19/2002	09/23/2002
SELL91902BH10-20	0204591-18	SOIL	09/19/2002	09/23/2002
SELL91902BH10-25	0204591-19	SOIL	09/19/2002	09/23/2002

Surrogate recoveries are outside control limits due to interference from coeluting compounds

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By: Roland de Jun Date: 9-30-02

Environmental Lab of Texas I, Ltd.

Environmental Lab of Texas, Inc.
12600 West I-20 East
Odessa Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: FRANK HERNANDEZ
Company Name: EOTT ENERGY PIPELINE
Company Address: 5805 E. HIGHWAY 80
City/State/Zip: MIDLAND TX 79701
Telephone No: 915-638-3799
Sampler Signature: Bradley Blevins

Project Name: Lea to Lynch
Project #: 2002-10212
Project Loc:
PO#:

020459

		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals	Volatiles	Semivolatiles	btex 8021B/5030	Reactivity	Corrosivity	Ignitiability			RUSH TAT	Standard TAT
01	SELL91902BH6-20'	9-19-02	8:00	1	X									X					X				X							
02	SELL91902BH6-25'	9-19-02	8:15	1	X									X					X				X							
03	SELL91902BH6-30'	9-19-02	8:40	1	X									X					X				X							
04	SELL91902BH6-35'	9-19-02	9:00	1	X									X					X				X							
05	SELL91902BH6-40'	9-19-02	9:25	1	X									X					X				X							
06	SELL91902BH7-20'	9-19-02	10:15	1	X									X					X				X							
07	SELL91902BH7-25'	9-19-02	10:25	1	X									X					X				X							
08	SELL91902BH7-30'	9-19-02	10:35	1	X									X					X				X							
09	SELL91902BH7-35'	9-19-02	10:45	1	X									X					X				X							
10	SELL91902BH7-40'	9-19-02	11:00	1	X									X					X				X							
11	SELL91902BH8-15'	9-19-02	11:30	1	X									X					X				X							
12	SELL91902BH8-20'	9-19-02	11:40	1	X									X					X				X							
13	SELL91902BH8-25'	9-19-02	11:50	1	X									X					X				X							
14	SELL91902BH9-15'	9-19-02	12:15	1	X									X					X				X							
15	SELL91902BH9-20'	9-19-02	12:25	1	X									X					X				X							
16	SELL91902BH9-25'	9-19-02	12:35	1	X									X					X				X							
17	SELL91902BH10-15'	9-19-02	1:40	1	X									X					X				X							
18	SELL91902BH10-20'	9-19-02	2:00	1	X									X					X				X							
19	SELL91902BH10-25'	9-19-02	2:20	1	X									X					X				X							

Analyze For: TCLP / TOTAL

Special Instructions
FAX RESULTS TO PAT MCCASLAND ASAP

Sample Containers Intact? (Y) N
Temperature Upon Request
Laboratory Comments:
2.0°C.

Relinquished:	Date	Time	Received by:	Date	Time
	9-19-02	2:30		9-23	15:05
Relinquished:	Date	Time	Received by:	Date	Time
	9-23	15:05	Sandra Bryant	9/23	15:05

ANALYTICAL REPORT

Prepared for:

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Project:	Lea to Lynch
PO#:	2002-10212
Order#:	G0204592
Report Date:	09/30/2002

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706
915-684-3456

Order#: G0204592
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0204592-01	SELL92002BH11-15'	SOIL	9/20/02 8:00	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204592-02	SELL92002BH11-20'	SOIL	9/20/02 8:15	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204592-03	SELL92002BH11-25'	SOIL	9/20/02 8:30	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204592-04	SELL92002BH12-15'	SOIL	9/20/02 8:45	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204592-05	SELL92002BH12-20'	SOIL	9/20/02 8:55	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204592-06	SELL92002BH12-25'	SOIL	9/20/02 9:10	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
0204592-07	SELL92002BH13-15'	SOIL	9/20/02 9:20	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706
915-684-3456

Order#: G0204592
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
	8015M 8021B/5030 BTEX					
0204592-08	SELL92002BH13-20'	SOIL	9/20/02 9:30	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					
0204592-09	SELL92002BH13-25'	SOIL	9/20/02 9:40	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					
0204592-10	SELL92002BH14-15'	SOIL	9/20/02 10:10	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					
0204592-11	SELL92002BH14-20'	SOIL	9/20/02 10:20	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					
0204592-12	SELL92002BH14-25'	SOIL	9/20/02 10:35	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					
0204592-13	SELL92002BH15-15'	SOIL	9/20/02 10:50	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 2.0 C		
	8015M 8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706
915-684-3456

Order#: G0204592
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
204592-14	SELL92002BH15-20'	SOIL	9/20/02 11:05	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					
204592-15	SELL92002BH15-25'	SOIL	9/20/02 11:25	9/23/02 15:05	4 oz glass	Ice
	Lab Testing:	Rejected: No		Temp: 2.0 C		
	8015M					
	8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204592
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204592-01
Sample ID: SELL92002BH11-15'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	1380	100
DRO, >C12-C35	11400	100
TOTAL, C6-C35	12780	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 14:31	1	50	CK	8021B

Parameter	Result mg/kg	RL
Benzene	0.364	0.050
Ethylbenzene	3.53	0.050
Toluene	2.59	0.050
p/m-Xylene	8.48	0.050
o-Xylene	4.20	0.050

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	164%	80	120
Bromofluorobenzene	119%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204592
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204592-02
Sample ID: SELL92002BH11-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 14:54	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	83%	80	120
Bromofluorobenzene	103%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204592
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204592-03
Sample ID: SELL92002BH11-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 23:18	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	93%	80	120
Bromofluorobenzene	93%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204592
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204592-04
Sample ID: SELL92002BH12-15'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	8600	100
DRO, >C12-C35	13200	100
TOTAL, C6-C35	21800	100

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 15:38	1	50	CK	8021B

Parameter	Result mg/kg	RL
Benzene	6.66	0.050
Ethylbenzene	38.4	0.050
Toluene	40.1	0.050
p/m-Xylene	70.9	0.050
o-Xylene	37.7	0.050

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	1380%	80	120
Bromofluorobenzene	171%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204592
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204592-05
Sample ID: SELL92002BH12-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 23:40	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	96%	80	120
Bromofluorobenzene	101%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204592
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204592-06
Sample ID: SELL92002BH12-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 16:45	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	90%	80	120
Bromofluorobenzene	90%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204592
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204592-07
Sample ID: SELL92002BH13-15'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	2160	50.0
DRO, >C12-C35	5800	50.0
TOTAL, C6-C35	7960	50.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 17:07	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	0.465	0.100
Ethylbenzene	4.91	0.100
Toluene	3.45	0.100
p/m-Xylene	13.7	0.100
o-Xylene	5.92	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	144%	80	120
Bromofluorobenzene	101%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204592
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204592-08
Sample ID: SELL92002BH13-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 17:30	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	95%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204592
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204592-09
Sample ID: SELL92002BH13-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 17:52	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	79%	80	120
Bromofluorobenzene	92%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204592
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204592-10
Sample ID: SELL92002BH14-15'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	9450	50.0
DRO, >C12-C35	11000	50.0
TOTAL, C6-C35	20450	50.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 18:14	1	200	CK	8021B

Parameter	Result mg/kg	RL
Benzene	6.80	0.200
Ethylbenzene	63.7	0.200
Toluene	81.3	0.200
p/m-Xylene	179	0.200
o-Xylene	71.2	0.200

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	657%	80	120
Bromofluorobenzene	126%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204592
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204592-11
Sample ID: SELL92002BH14-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 18:36	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	81%	80	120
Bromofluorobenzene	90%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204592
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204592-12
Sample ID: SELL92002BH14-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 18:58	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	86%	80	120
Bromofluorobenzene	87%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204592
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204592-13
Sample ID: SELL92002BH15-15'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	3570	50.0
DRO, >C12-C35	13200	50.0
TOTAL, C6-C35	16770	50.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 19:21	1	100	CK	8021B

Parameter	Result mg/kg	RL
Benzene	0.405	0.100
Ethylbenzene	6.78	0.100
Toluene	5.67	0.100
p/m-Xylene	24.0	0.100
o-Xylene	10.1	0.100

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	146%	80	120
Bromofluorobenzene	113%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#:	G0204592
Project:	2002-10212
Project Name:	Lea to Lynch
Location:	None Given

Lab ID: 0204592-14
Sample ID: SELL92002BH15-20'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 19:43	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	75%	80	120
Bromofluorobenzene	87%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204592
Project: 2002-10212
Project Name: Lea to Lynch
Location: None Given

Lab ID: 0204592-15
Sample ID: SELL92002BH15-25'

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		9/25/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003253-02		9/29/02 20:42	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	97%	80	120
Bromofluorobenzene	97%	80	120

Approval: Raland K Tuttle 9-30-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204592

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0003233-02			<10.0		
MS SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0204591-10	0	952	946	99.4%	
MSD SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0204591-10	0	952	912	95.8%	3.7%
SRM SOIL	**LAB-ID #**	**Sample Concentr.**	**Spike Concentr.**	**QC Test Result**	**Pct (%) Recovery**	**RPD**
TOTAL, C6-C35-mg/kg	0003233-05		1000	1190	119.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204592

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0003253-02			<0.025		
Ethylbenzene-mg/kg	0003253-02			<0.025		
Toluene-mg/kg	0003253-02			<0.025		
p/m-Xylene-mg/kg	0003253-02			<0.025		
o-Xylene-mg/kg	0003253-02			<0.025		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0204592-05	0	0.1	0.098	98.%	
Ethylbenzene-mg/kg	0204592-05	0	0.1	0.100	100.%	
Toluene-mg/kg	0204592-05	0	0.1	0.100	100.%	
p/m-Xylene-mg/kg	0204592-05	0	0.2	0.212	106.%	
o-Xylene-mg/kg	0204592-05	0	0.1	0.100	100.%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0204592-05	0	0.1	0.099	99.%	1.%
Ethylbenzene-mg/kg	0204592-05	0	0.1	0.102	102.%	2.%
Toluene-mg/kg	0204592-05	0	0.1	0.102	102.%	2.%
p/m-Xylene-mg/kg	0204592-05	0	0.2	0.217	108.5%	2.3%
o-Xylene-mg/kg	0204592-05	0	0.1	0.103	103.%	3.%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0003253-05		0.1	0.100	100.%	
Ethylbenzene-mg/kg	0003253-05		0.1	0.103	103.%	
Toluene-mg/kg	0003253-05		0.1	0.103	103.%	
p/m-Xylene-mg/kg	0003253-05		0.2	0.218	109.%	
o-Xylene-mg/kg	0003253-05		0.1	0.103	103.%	

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

ENRON TRANSPORTATION SYSTEMS
5805 E. HWY. 80
MIDLAND, TX 79706

Order#: G0204592

Project: Lea to Lynch

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
SELL92002BH11-15	0204592-01	SOIL	09/20/2002	09/23/2002
SELL92002BH11-20	0204592-02	SOIL	09/20/2002	09/23/2002
SELL92002BH11-25	0204592-03	SOIL	09/20/2002	09/23/2002
SELL92002BH12-15	0204592-04	SOIL	09/20/2002	09/23/2002
SELL92002BH12-20	0204592-05	SOIL	09/20/2002	09/23/2002
SELL92002BH12-25	0204592-06	SOIL	09/20/2002	09/23/2002
SELL92002BH13-15	0204592-07	SOIL	09/20/2002	09/23/2002
SELL92002BH13-20	0204592-08	SOIL	09/20/2002	09/23/2002
SELL92002BH13-25	0204592-09	SOIL	09/20/2002	09/23/2002
SELL92002BH14-15	0204592-10	SOIL	09/20/2002	09/23/2002
SELL92002BH14-20	0204592-11	SOIL	09/20/2002	09/23/2002
SELL92002BH14-25	0204592-12	SOIL	09/20/2002	09/23/2002
SELL92002BH15-15	0204592-13	SOIL	09/20/2002	09/23/2002
SELL92002BH15-20	0204592-14	SOIL	09/20/2002	09/23/2002
SELL92002BH15-25	0204592-15	SOIL	09/20/2002	09/23/2002

Surrogate recoveries are outside control limits due to interference from coeluting compounds

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By: Roland K. Tuttle Date: 9-30-02

Environmental Lab of Texas I, Ltd.

Environmental Lab of Texas, Inc.
12600 West I-20 East
Odessa Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: FRANK HERNANDEZ
Company Name: EOTT ENERGY PIPELINE
Company Address: 5805 E. HIGHWAY 80
City/State/Zip: MIDLAND TX 79701
Telephone No: 915-638-3799
Sampler Signature: Bradley Fillmore

Project Name: Lea to Lynch
Project #: 2002 10212
Project Loc:
PO#:

Analyze For: TCLP / TOTAL

0204552		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals	Volatiles	Semivolatiles	btex 8021B/5030	Reactivity	Corrosivity	Ignitiability				RUSH TAT	Standard TAT
01	SELL92002BH11-15'	9-20-02	8:00	1	X									X					x				x								
02	SELL92002BH11-20'	9-20-02	8:15	1	X									X					X				X								
03	SELL92002BH11-25'	9-20-02	8:30	1	X									X					X				X								
04	SELL92002BH12-15'	9-20-02	8:45	1	X									X					X				X								
05	SELL92002BH12-20'	9-20-02	8:55	1	X									X					X				X								
06	SELL92002BH12-25'	9-20-02	9:10	1	X									X					X				X								
07	SELL92002BH13-15'	9-20-02	9:20	1	X									X					X				X								
08	SELL92002BH13-20'	9-20-02	9:30	1	X									X					X				X								
09	SELL92002BH13-25	9-20-02	9:40	1	X									X					X				X								
10	SELL92002BH14-15'	9-20-02	10:10	1	X									X					X				X								
11	SELL92002BH14-20'	9-20-02	10:20	1	X									X					X				X								
12	SELL92002BH14-25'	9-20-02	10:35	1	X									X					X				X								
13	SELL92002BH15-15'	9-20-02	10:50	1	X									X					X				X								
14	SELL92002BH15-20'	9-20-02	11:05	1	X									X					X				X								
15	SELL92002BH15-25'	9-20-02	11:25	1	X									X					X				X								

Special Instructions
FAX RESULTS TO PAT MCCASLAND ASAP

Sample Containers Intact: Y N
Temperature Upon Request
Laboratory Comments:
2.0°C

Relinquished:	Date	Time	Received by:	Date	Time
Mato Cy	9-23	11:00	Mato Cy	9:23	11:00
Relinquished:	Date	Time	Received by:	Date	Time
Mato Cy	9-23	15:05	Sandra Bigsby	9/23	15:05

ANALYTICAL REPORT

Prepared for:

FRANK HERNANDEZ
EOTT ENERGY PIPELINE
P.O. BOX 1660
Midland, TX 79702

Project:	Marathon Rd.-Lea to Lynch Station
PO#:	2002-10212
Order#:	G0306164
Report Date:	04/04/2003

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

EOTT ENERGY PIPELINE
P.O. BOX 1660
Midland, TX 79702
687-2713

Order#: G0306164
Project: 2002-10212
Project Name: Marathon Rd.-Lea to Lynch Station
Location: UL-M Section 129 T20S R34E

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

Lab ID:	Sample :	Matrix:	Date / Time Collected	Date / Time Received	Container	Preservative
0306164-01	SEMLL040203NWBHC-20	SOIL	4/2/03 15:30	4/3/03 14:00	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					
0306164-02	SEMLL040203SWBHC-20	SOIL	4/2/03 15:15	4/3/03 14:00	4 oz glass	Ice
	Lab Testing:	**Rejected:** No		**Temp:** 3 C		
	8015M					
	8021B/5030 BTEX					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
EOTT ENERGY PIPELINE
P.O. BOX 1660
Midland, TX 79702

Order#: G0306164
Project: 2002-10212
Project Name: Marathon Rd.-Lea to Lynch Station
Location: UL-M Section 129 T20S R34E

Lab ID: 0306164-01
Sample ID: SEMLL040203NWBHC-20

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		4/3/03 18:27	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	19.0	10.0
DRO, >C12-C35	399	10.0
TOTAL, C6-C35	418	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	102%	70	130
1-Chlorooctadecane	119%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005137-02		4/3/03 18:27	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	0.035	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	101%	80	120
Bromofluorobenzene	109%	80	120

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

FRANK HERNANDEZ
EOTT ENERGY PIPELINE
P.O. BOX 1660
Midland, TX 79702

Order#: G0306164
Project: 2002-10212
Project Name: Marathon Rd.-Lea to Lynch Station
Location: UL-M Section 129 T20S R34E

Lab ID: 0306164-02
Sample ID: SEMLL040203SWBHC-20

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		4/3/03 18:27	1	1	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	76.0	10.0
TOTAL, C6-C35	76.0	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	97%	70	130
1-Chlorooctadecane	108%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0005137-02		4/3/03 18:47	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	94%	80	120
Bromofluorobenzene	101%	80	120

Approval: Raland K Tuttle 4-04-03
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0306164

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005135-02			<10.0		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005135-03		952	963	101.2%	
CONTROL DUP SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005135-04		952	1067	112.1%	10.2%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0005135-05		1000	977	97.7%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0306164

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0005137-02			<0.025		
Toluene-mg/kg	0005137-02			<0.025		
Ethylbenzene-mg/kg	0005137-02			<0.025		
p/m-Xylene-mg/kg	0005137-02			<0.025		
o-Xylene-mg/kg	0005137-02			<0.025		
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0306143-04	0	0.1	0.086	86.%	
Toluene-mg/kg	0306143-04	0	0.1	0.092	92.%	
Ethylbenzene-mg/kg	0306143-04	0	0.1	0.101	101.%	
p/m-Xylene-mg/kg	0306143-04	0	0.2	0.212	106.%	
o-Xylene-mg/kg	0306143-04	0	0.1	0.104	104.%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0306143-04	0	0.1	0.093	93.%	7.8%
Toluene-mg/kg	0306143-04	0	0.1	0.095	95.%	3.2%
Ethylbenzene-mg/kg	0306143-04	0	0.1	0.099	99.%	2.%
p/m-Xylene-mg/kg	0306143-04	0	0.2	0.206	103.%	2.9%
o-Xylene-mg/kg	0306143-04	0	0.1	0.098	98.%	5.9%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0005137-05		0.1	0.094	94.%	
Toluene-mg/kg	0005137-05		0.1	0.097	97.%	
Ethylbenzene-mg/kg	0005137-05		0.1	0.099	99.%	
p/m-Xylene-mg/kg	0005137-05		0.2	0.205	102.5%	
o-Xylene-mg/kg	0005137-05		0.1	0.099	99.%	

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: FRANK HERNANDEZ
Company Name: EOTT ENERGY PIPELINE CO.
Company Address: 5805 E. HIGHWAY 80
City/State/Zip: MIDLAND, TX 79701
Telephone No: (713) 253-7006
Sampler Signature: John Good EPI - Environmental Consultant

Project Name: Marathon Rd - Lea to Lynch Station
Project #: 2002-10212
Project Loc: UL-M Section 129 T20S R34E
PO#:

LAB ID 0306164	SAMPLE IDENTIFICATION	Date Sampled	Time Sampled	No. of Containers	Preservative: ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Type: Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP TDS/Cl/SAR/EC	TCLP TPH 418.1	TCLP TPH TX 1005/1006	TCLP TPH 8015M GRO/DRO	TCLP Metals *	TCLP Volatiles *	TCLP Semivolatiles *	TCLP BTEX 8021B/5030	TOTAL Reactivity	TOTAL Corrosivity	TOTAL Ignitiability	TOTAL Chlorides	TOTAL Sulfates		RUSH TAT	Standard TAT
01	SEMLL040203NWBHC-20	2-Apr	3:30	1	X									X					X				X							X	
02	SEMLL040203SWBHC-20	2-Apr	3:15	1	X									X					X				X							X	

Special Instructions
FAX RESULTS TO JOHN GOOD ASAP [505-394-2601]

Sample Containers Intact? Y N
Temperature Upon Request
Laboratory Comments:
Rec 3°C

Relinquished:	Date	Time	Received by:	Date	Time
John Good	4/3/03	1730			
Relinquished:	Date	Time	Received by:	Date	Time
Bud Hall	4-3-03	10:40	Rick Jones	4-3-3	1400

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LAB ID	SAMPLE IDENTIFICATION	Date Sampled	Time Sampled	No. of Containers	Preservative: ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Type: Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP / TOTAL: TDS/Cl/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals *	Volatiles *	Semivolatiles *	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides	Sulfates		RUSH TAT	Standard TAT
	SEMLL040203NWBHC-20	2-Apr	3:30	1	X									X					X				X							X	
	SEMLL040203SWBHC-20	2-Apr	3:15	1	X									X					X				X							X	

Special Instructions
FAX RESULTS TO JOHN GOOD ASAP [505-394-2601]

Sample Containers Intact? Y N
Temperature Upon Request
Laboratory Comments:
Rec 3°C

Relinquished:	Date	Time	Received by:	Date	Time
John Good	4/3/03	~~1980~~			
Relinquished:	Date	Time	Received by:	Date	Time
Brad Hall	4-3-03	10:40	Rick Tw	4-3-3	1400

COPY