

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 Devon Energy Production Company, LP	Contact <input type="checkbox"/> Roger Hernandez	
Address. Box 250, Artesia, NM 88211	Telephone No. <input type="checkbox"/> (505) 748-3371	
Facility Name State BH 1 - SWD	Facility Type <input type="checkbox"/> SWD Well	
Surface Owner	Mineral Owner	Lease No. <input type="checkbox"/>

LOCATION OF RELEASE

Unit Letter	Section 32	Township 015S	Range 032E	Feet from the 990	North/South Line South	Feet from the 330	East/West Line East	County Lea County, NM
-------------	---------------	------------------	---------------	----------------------	---------------------------	----------------------	------------------------	--------------------------

NATURE OF RELEASE 3005003500000

Type of Release Produced Water	Volume of Release 40	Volume Recovered <input type="checkbox"/> 10
Source of Release 500 bbl Produced Water Tank	Date and Hour of Occurrence 7-21-07 2:30 PM	Date and Hour of Discovery 7-21-07 2:30 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Pat Caperton - NMOCD	
By Whom? <input type="checkbox"/> Roger Hernandez	Date and Hour <input type="checkbox"/> July 23, 2007 7:20 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*

State BH SWD Station water tank was struck by lightning. Resulting in fire and Lovington Fire Department responded to call. Fire destroyed SWD pump and produced water tank. This was direct lightning strike on tank.

*** NEED CHLORIDE CONTENT OF WATER**

Describe Area Affected and Cleanup Action Taken.*
All water was contained inside berm.

*** DETERMINE DEPTH OF CONTAMINATION INSIDE BERM**

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: <i>Roger Hernandez</i>	OIL CONSERVATION DIVISION	
Printed Name: Roger Hernandez	Approved by <input type="checkbox"/> District <i>Johnson</i> ENVIRONMENTAL ENGINEER	
Title: Production Foreman	Approval Date: 10.24.07	Expiration Date: 12.31.07
Date: 9-11-07 Phone: 748-5238	Conditions of Approval: *	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

SUBMIT INFO BY RP# 1634



Incident Report Form

Version date: 11/18/2004

00014810

Division WESTERN DIVISION
Project PB NEW MEXICO
Field ANDERSON RANCH

Involvement
Incident Type

Fire, Spill

1. Reporting Information

Devon Supervisor: Roger Hernandez

Office Phone: 505-748-3371

Cell Phone: 505-748-5238

Report Date: July 23, 2007

Report Time (am / pm):

5:37:00 PM

Name and Title Reporting: Roger Hernandez, Production Foreman

Phone: 505-748-0169

Name and title of person that discovered the incident: Buddy Copeland, Contract pumper

Time and date incident discovered/occurred: Date: July 21, 2007

Time (am / pm): 2:30 PM

2. Summary of What Happened?

State BH SWD station water tank was struck by lightning. Resulting in fire and Lovington Fire Department responded to call. Fire destroyed SWD pump and produce water tank. This was a direct lightning strike on tank.

Working Activity: Operations - Production

Incident Related To: None of the above

3. Contractor Information

Contractor Co. Name:

Address:

Contact

Phone:

Title:

4. Location

Location: (name/description)

State BH SWD

OCSG #:

Pipeline/Well #: 1

State: N.M.

Area/Blk#:

Country: U.S.

County/Parish:

Lea, N.M.

Qtr./Qtr Sec.:

Section: 33

Township: 15 South

Range: 32 East

Longitude:

Latitude:

Rig#:

Nearest Town, (name, distance and direction from incident): Majamar, N.M., 10 miles southwest

5. Injury/Illness (Employee Or Contractor):

Name of Affected:

Years of Experience:

Work Telephone #:

Home #:

Occupation:

How were they injured?

Primary Body Part

Injured:

List other body parts:

Witness Name:

Witness Telephone #:

Was the affected person transported for treatment?

If yes, complete Hospital/Doctor information

Hospital Name, Addr, Phone

Doctor Name, Addr, Phone

Describe Treatment:

(if known)

Injury Class:

Injury Type:

Illness Type:

Equipment:

6. Spills and Air Releases

Factor Contributing to Spill:

Weather Related

Material Released: Water

Quantity Released:

Oil

Water

40

Quantity

Oil

Water

10

(report all liquids in Bbls)

Chemical

Other

Recovered

Chemical

Other

Size of the affected area:

All contained inside berm

Chemicals spilled:

Time of air release:

Start:

End:

List Gases released:

Describe Area, Property, and Wildlife impacted:

None

Describe Immediate Actions taken:

Shut all pumps and wells transferring p.w to SWD station.

Qty of Air Released
Units

7. Vehicle Incident

Driver's Name:	Driver's License #:	DL State:
Devon Vehicle No.:	If injuries, complete no. 5 above and/or no. 10 below.	
Witness Name:	Witness Phone #:	
Was the incident covered by DOT?	Accident Type:	
Was a Citation issued?	If YES, to whom was it issued?	

8. Preventive/Corrective Actions

PIC: Roger Hernandez

Item	Preventative/Corrective Action	Corrective Actions Taken	Dvn Responsible Emp.	Due Date	Completion Date
1	Unpreventable, direct lightening strike. Had grounding system in place. Ground from thief hatch down to 8' ground rod inserted in ground.	Will not repalce equipment. Will evaluate additional grounding system. Not feasible to replace equipment, low production.	Roger Hernandez	12/30/2007	
2					
3					
4					
5					

9. Weather/Site Conditions

Describe conditions of ground: Wet			
Describe Sea conditions: Wave Height: 80	Direction:	Current Speed:	Direction:
Temperatue: (F) 80	Describe Weather: Rainy, storm in area		
Wind Speed:	Direction:	Did the weather affect this incident?	Yes

10. Third Party Involvement

Driver's Name:	Driver's Phone #:	
Driver's License #:	Licensing State:	
Vehicle License #:	Licensing State:	
Insurance Co. Name:	Insurance Co. Phone #:	
Insurance Policy #:	Trucking Co. Name:	State PUC #:

11. Notifications

Date	Person/Agency Notified	Time	Phone Number	Fax Number
7/23/2007	NMOCD, Lea County, Pat Caperton	7:20 AM	505-393-6161 Ext-101	
7/21/2007	Linda Berryman	5:00 PM	505-513-0534	

12. Summary of Classes

Incident Type	Class
Property Damage	Class II - \$5,000 - \$24,999

EHS Dept.	Linda Berryman	Date:	7/23/2007
Level of Investigation:			

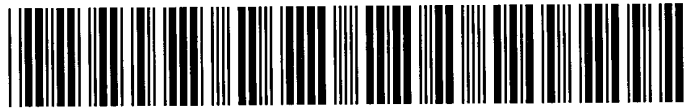




AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pPAC0730334979

1RP - 1635

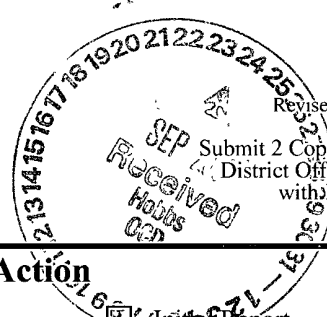
PHOENIX HYDROCARBONS OPERATING CORP

10/30/2007

District I
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Revised October 10, 2003

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Release Notification and Corrective Action

OPERATOR

Name of Company	PHOENIX HYDROCARBONS OPER	Contact	CLARENCE CRAIG
Address	P O BOX 3638, MIDLAND, TX 79701	Telephone No.	505-370-0825
Facility Name	BAGLEY FIELD SATELLITE #5	Facility Type	TANK BATTERY
Surface Owner	STATE	Mineral Owner	
		Lease No.	N/A

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
n/a	3	11-S	33-E					LEA CO, NM

Latitude N33° 23 26.5' Longitude W 103° 36 44'

NATURE OF RELEASE

Type of Release	PRODUCED WATER	Volume of Release	140 BBLs	Volume Recovered	110 bbls
Source of Release	connection in discharge pump ruptured	Date and Hour of Occurrence	n/a	Date and Hour of Discovery	8/11/2002
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	VIC VICE (REPORTED AND OVERSAW THIS SPILL, HE IS NO LONGER AN EMPLOYEE OF PHOENIX. OCCURRED 5 YEARS AGO)		
By Whom?	Vic Vice	Date and Hour	8/11/02		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A connection ruptured in the discharge pump and 140 bbls of produced water was released. To repair the ruptured connection a nipple had to be replaced in the transfer pump. Approximately 110 bbls of produced water was picked up by a vacuum truck.

Describe Area Affected and Cleanup Action Taken.* Fluids ran from containment along the lease roads adjacent to the facility and puddled into five shallow depressions totaling 16,000 square feet of affected area. Approximately 211 cubic yards of contaminated soil was excavated to a depth of 2-4' and transported to the battery area where it was used to reinforce the existing berm containment. Fresh topsoils were excavated from commercial repositories and transported to the site to be used as replacement soils. Complete report submitted by Whole Earth Environmental, Inc. in November 2002.

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: <i>Phyllis R. Gunter</i>	OIL CONSERVATION DIVISION	
Printed Name: Phyllis R. Gunter	APPROVED BY DISTRICT SUPERVISOR: <i>Johnson</i>	
Title: Agent	Approval Date:	Expiration Date:
E-mail Address: phygun@aol.com	Conditions of Approval:	ENVIRONMENTAL ENGINEER
Date: <i>9-21-07</i> Phone: 432-686-9869		Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

DOCUMENTATION INSUFFICIENT

RPH#1635

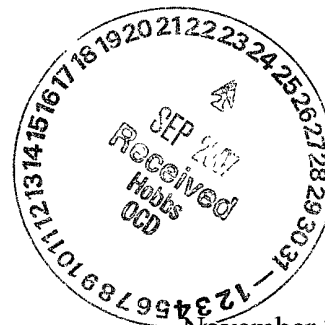


Whole Earth Environmental, Inc.

19606 San Gabriel Houston, Tx. 77084

Tel: 281.492.7077 Fax: 281.646.8996

whearth@iamerica.net



November 29, 2002

Phoenix Hydrocarbons, Inc.

P.P. Box 857

Tatum, NM 88267

Attn: Vic Vice

Dear Vic:

Enclosed, please find a copy of the spill report for the Satellite # 5 facility as discussed this morning. I apologize once again for the delay in getting the report to you but between lab delays and our being so extremely busy, this is the first opportunity I've had to do the final report.

A copy has already been forwarded to the OCD in Hobbs.

Thank you again for the opportunity of working with you on this very interesting project.

Warmest personal regards,

Mike Griffin
President

Whole Earth Environmental, Inc.



Executive Summary
Phoenix Hydrocarbons, Inc.
Satellite # 5
Spill Remediation Report

Location

The spill site is located in Section 3 Range 11 Township T33S approximately 22 miles west of Tatum, New Mexico.

Spill History

On or about August 11th, Phoenix experienced a minor upset at their Satellite # 5 location in which approximately 140 bbls of produced water was inadvertently released from storage. The fluids ran from containment along the lease roads adjacent to the facility and puddled into five shallow depressions totaling 16,000 square feet of affected area.

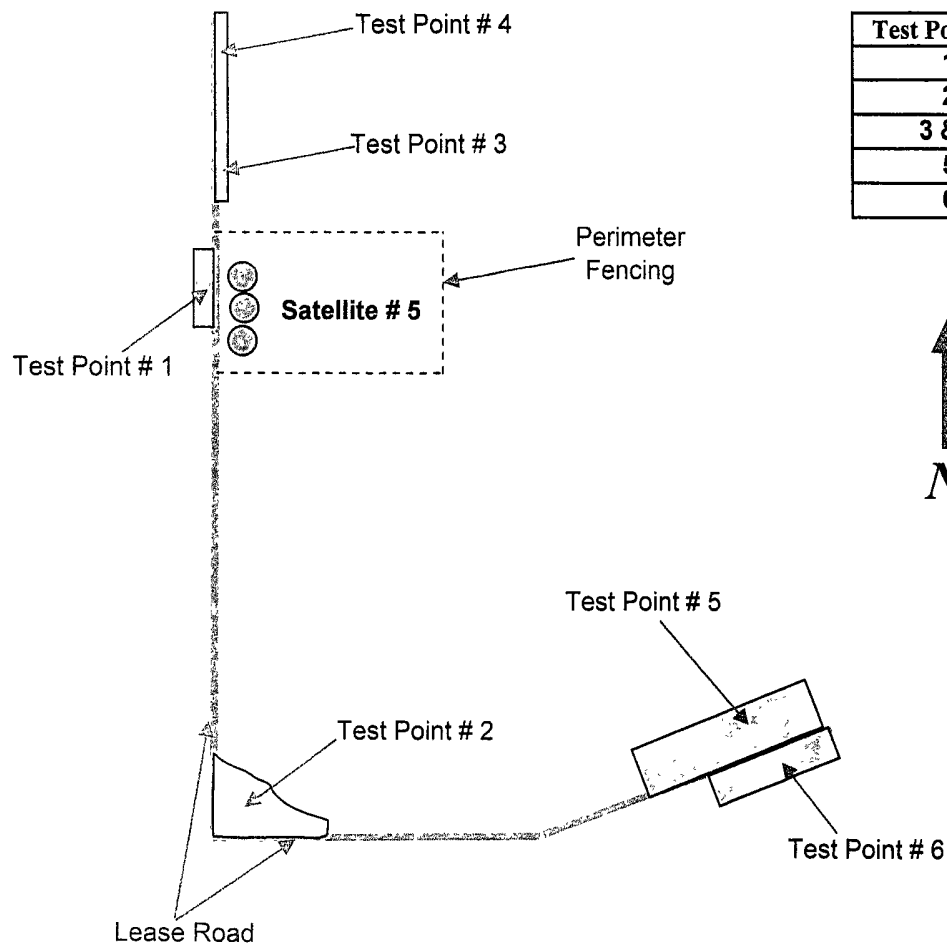
Remediation Methods

Approximately 211 cubic yards of contaminated soil was excavated to a depth of between 2-4' bgs and transported to the battery area where it was used to reinforce the existing berm containment. Fresh topsoils were excavated from commercial repositories and transported to the site to be used as replacement soils.

Testing

Soil Samples from the affected areas were obtained from depths located below the level of replacement soils and transported to Environmental Labs of Texas in accordance with WEQP-77 (enclosed) for the presence and concentrations of TPH, BTEX and chlorides. All results were nominal.

Phoenix Hydrocarbon Corporation Satellite # 5 Spill Diagram



Test Point No.	Length	Width	Ttl. Area (Ft.2)
1	65	30	1,950
2	66	10	330
3 & 4	250	27	6,750
5	200	25	5,000
6	66	35	2,310
			16,340

Whole Earth Environmental, Inc.
19606 San Gabriel
Houston, Tx. 77084
whearth@iamerica.net





Protocol

This section contains a copy of WEQP-77, the field sampling and sample transportation procedures employed on this project.



QP-77

WHOLE EARTH ENVIRONMENTAL QUALITY PROCEDURE

Procedure for Obtaining Soil Samples for Transportation to a Laboratory

Completed By: Approved By: Effective Date: / /

1.0 Purpose

This procedure outlines the methods to be employed when obtaining soil samples to be taken to a laboratory for analysis.

2.0 Scope

This procedure is to be used when collecting soil samples intended for ultimate transfer to a testing laboratory.

3.0 Preliminary

3.1 Obtain sterile sampling containers from the testing laboratory designated to conduct analyses of the soil. The shipment should include a Certificate of Compliance from the manufacturer of the collection bottle or vial and a Serial Number for the lot of containers. Retain this Certificate for future documentation purposes.

3.2 If collecting TPH, BTEX, RCRA 8 metals, cation / anions or O&G, the sample jar may be a clear 4 oz. container with Teflon lid. If collecting PAH's, use an amber 4 oz. container with Teflon lid.

4.0 Chain of Custody

4.1 Prepare a Sample Plan. The plan will list the number, location and designation of each planned sample and the individual tests to be performed on the sample. The sampler will check the list against the available inventory of appropriate sample collection bottles to insure against shortage.

4.2 Transfer the data to the Laboratory Chain of Custody Form. Complete all sections of the form except those that relate to the time of delivery of the samples to the laboratory.

- 4.3 Pre-label the sample collection jars. Include all requested information except time of collection. (Use a fine point Sharpie to insure that the ink remains on the label). Affix the labels to the jars.

5.0 Sampling Procedure

- 5.1 Go to the sampling point with the sample container. If not analyzing for ions or metals, use a trowel to obtain the soil. Do not touch the soil with your bare hands. Use new latex gloves with each sample to help minimize any cross-contamination.
- 5.2 Pack the soil tightly into the container leaving the top slightly domed. Screw the lid down tightly. Enter the time of collection onto the sample collection jar label.
- 5.3 Place the sample directly on ice for transport to the laboratory.
- 5.4 Complete the Chain of Custody form to include the collection times for each sample. Deliver all samples to the laboratory.

6.0 Documentation

- 6.1 The testing laboratory shall provide the following minimum information:
- A. Client, Project and sample name.
 - B. Signed copy of the original Chain of Custody Form including data on the time the sample was received by the lab.
 - C. Results of the requested analyses
 - D. Test Methods employed
 - E. Quality Control methods and results

ANALYTICAL REPORT

Prepared for:

**MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084**

Project: Phoenix Hydrocarbons

PO#:

Order#: G0204810

Report Date: 10/23/2002

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084
281-646-8996

Order#: G0204810
Project: None Given
Project Name: Phoenix Hydrocarbons
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.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204810-01	#1	SOIL	10/19/02 16:00	10/21/02 12:50	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 3 C		
0204810-02	#2	SOIL	10/19/02 16:00	10/21/02 12:50	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 3 C		
0204810-03	#3	SOIL	10/19/02 16:00	10/21/02 12:50	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 3 C		
0204810-04	#4	SOIL	10/19/02 16:00	10/21/02 12:50	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 3 C		
0204810-05	#5	SOIL	10/19/02 16:00	10/21/02 12:50	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 3 C		
0204810-06	#6	SOIL	10/19/02 16:00	10/21/02 12:50	4 oz Glass	Ice
	<u>Lab Testing:</u> 8015M	Rejected: No		Temp: 3 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084
281-646-8996

Order#: G0204810
Project: None Given
Project Name: Phoenix Hydrocarbons
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.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
	8021B/5030 BTEX Chloride					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204810
Project: None Given
Project Name: Phoenix Hydrocarbons
Location: None Given

Lab ID: 0204810-01
Sample ID: #1

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		10/21/02	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

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	73%	70	130
1-Chlorooctadecane	70%	70	130

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0003505-02		10/22/02 20:56	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	0.029	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	92%	80	120
Bromofluorobenzene	100%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204810
Project: None Given
Project Name: Phoenix Hydrocarbons
Location: None Given

Lab ID: 0204810-02
Sample ID: #2

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		10/21/02	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

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	77%	70	130
1-Chlorooctadecane	69%	70	130

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003505-02		10/23/02 9:52	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	91%	80	120
Bromofluorobenzene	100%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204810
Project: None Given
Project Name: Phoenix Hydrocarbons
Location: None Given

Lab ID: 0204810-03
Sample ID: #3

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		10/21/02	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

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	74%	70	130
1-Chlorooctadecane	68%	70	130

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0003505-02		10/23/02 10:14	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	0.028	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	99%	80	120
Bromofluorobenzene	104%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204810
Project: None Given
Project Name: Phoenix Hydrocarbons
Location: None Given

Lab ID: 0204810-04
Sample ID: #4

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		10/21/02	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

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	81%	70	130
1-Chlorooctadecane	72%	70	130

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003505-02		10/23/02 10:36	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	98%	80	120
Bromofluorobenzene	101%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204810
Project: None Given
Project Name: Phoenix Hydrocarbons
Location: None Given

Lab ID: 0204810-05
Sample ID: #5

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		10/21/02	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

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	71%	70	130
1-Chlorooctadecane	62%	70	130

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003505-02		10/23/02 10:58	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	94%	80	120
Bromofluorobenzene	102%	80	120

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204810
Project: None Given
Project Name: Phoenix Hydrocarbons
Location: None Given

Lab ID: 0204810-06
Sample ID: #6

8015M

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
		10/21/02	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

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	73%	70	130
1-Chlorooctadecane	64%	70	130

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003509-02		10/23/02 13:27	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	105%	80	120

Approval: Sandra Biezugbe 10/24/02
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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204810
Project: None Given
Project Name: Phoenix Hydrocarbons
Location: None Given

Lab ID: 0204810-01

Sample ID: #1

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	<20.0	mg/kg	1	20	9253	10/22/02	SB

Lab ID: 0204810-02

Sample ID: #2

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	<20.0	mg/kg	1	20	9253	10/22/02	SB

Lab ID: 0204810-03

Sample ID: #3

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	<20.0	mg/kg	1	20	9253	10/22/02	SB

Lab ID: 0204810-04

Sample ID: #4

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	<20.0	mg/kg	1	20	9253	10/22/02	SB

Lab ID: 0204810-05

Sample ID: #5

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	<20.0	mg/kg	1	20	9253	10/22/02	SB

Lab ID: 0204810-06

Sample ID: #6

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	<20.0	mg/kg	1	20	9253	10/22/02	SB

RL = Reporting Limit N/A = Not Applicable

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

MIKE GRIFFIN
WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204810
Project: None Given
Project Name: Phoenix Hydrocarbons
Location: None Given

Approval: Jeanne McMurrey 10 24-02
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.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204810

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003500-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204816-03	0	952	998	104.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204816-03	0	952	1040	109.2%	4.1%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0003500-05		1000	907	90.7%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204810

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003505-02			<0.025		
Benzene-mg/kg		0003509-02			<0.025		
Ethylbenzene-mg/kg		0003505-02			<0.025		
Ethylbenzene-mg/kg		0003509-02			<0.025		
Toluene-mg/kg		0003505-02			<0.025		
Toluene-mg/kg		0003509-02			<0.025		
p/m-Xylene-mg/kg		0003505-02			<0.025		
p/m-Xylene-mg/kg		0003509-02			<0.025		
o-Xylene-mg/kg		0003505-02			<0.025		
o-Xylene-mg/kg		0003509-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204810-06	0	0.1	0.110	110.0%	
Benzene-mg/kg		0204819-04	0	0.1	0.104	104.0%	
Ethylbenzene-mg/kg		0204810-06	0	0.1	0.116	116.0%	
Ethylbenzene-mg/kg		0204819-04	0	0.1	0.110	110.0%	
Toluene-mg/kg		0204810-06	0	0.1	0.114	114.0%	
Toluene-mg/kg		0204819-04	0	0.1	0.107	107.0%	
Xylene-mg/kg		0204810-06	0	0.2	0.230	115.0%	
p/m-Xylene-mg/kg		0204819-04	0	0.2	0.225	112.5%	
o-Xylene-mg/kg		0204810-06	0	0.1	0.115	115.0%	
o-Xylene-mg/kg		0204819-04	0	0.1	0.110	110.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204810-06	0	0.1	0.107	107.0%	2.8%
Benzene-mg/kg		0204819-04	0	0.1	0.105	105.0%	1.0%
Ethylbenzene-mg/kg		0204810-06	0	0.1	0.114	114.0%	1.7%
Ethylbenzene-mg/kg		0204819-04	0	0.1	0.111	111.0%	0.9%
Toluene-mg/kg		0204810-06	0	0.1	0.112	112.0%	1.8%
Toluene-mg/kg		0204819-04	0	0.1	0.108	108.0%	0.9%
p/m-Xylene-mg/kg		0204810-06	0	0.2	0.230	115.0%	0.0%
p/m-Xylene-mg/kg		0204819-04	0	0.2	0.227	113.5%	0.9%
o-Xylene-mg/kg		0204810-06	0	0.1	0.113	113.0%	1.8%
o-Xylene-mg/kg		0204819-04	0	0.1	0.111	111.0%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0003505-05		0.1	0.108	108.0%	
Benzene-mg/kg		0003509-05		0.1	0.103	103.0%	
Ethylbenzene-mg/kg		0003505-05		0.1	0.112	112.0%	
benzene-mg/kg		0003509-05		0.1	0.107	107.0%	
Toluene-mg/kg		0003505-05		0.1	0.111	111.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204810

SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Toluene-mg/kg		0003509-05		0.1	0.106	106.0%	
p/m-Xylene-mg/kg		0003505-05		0.2	0.229	114.5%	
p/m-Xylene-mg/kg		0003509-05		0.2	0.227	113.5%	
o-Xylene-mg/kg		0003505-05		0.1	0.113	113.0%	
o-Xylene-mg/kg		0003509-05		0.1	0.108	108.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204810

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003501-01			<20.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204810-01	0	1000	1010	101.0%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204810-01	0	1000	1010	101.0%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0003501-04		5000	4960	99.2%	

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

WHOLE EARTH
19606 SAN GABRIEL
HOUSTON, TX 77084

Order#: G0204810

Project: Phoenix Hydrocarbons

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
#1	0204810-01	SOIL	10/19/2002	10/21/2002
#2	0204810-02	SOIL	10/19/2002	10/21/2002
#3	0204810-03	SOIL	10/19/2002	10/21/2002
#4	0204810-04	SOIL	10/19/2002	10/21/2002
#5	0204810-05	SOIL	10/19/2002	10/21/2002
#6	0204810-06	SOIL	10/19/2002	10/21/2002

Surrogate recoveries are outside control limits due to matrix interference.

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: Sharon McManus
Environmental Lab of Texas I, Ltd.

Date: 10-24-02

Environmental Lab of Texas I, Ltd.

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: Elliot Werner
Company Name: Whole Earth / Phoenix Hydrocarbons
Company Address: 19606 San Gabriel
City/State/Zip: Haw 79081
Telephone No: 800-854-4358 Fax No: _____
Sampler Signature: [Signature]

Project Name: _____
Project #: _____
Project Loc: _____
PO #: _____

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative							Matrix			Analyze For:														RUSH TAT (Pre-Schedule)	Standard TAT				
					Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (specify)	TPH 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B 5030	PCB	NORM	Total Gamma	Chloride							
01	#1	10/19/02	4:00 PM	1	X												X																	
02	2	"	"	1	X												X																	
03	3	"	"	1	X												X																	
04	4	"	"	1	X												X																	
05	5	"	"	1	X												X																	
06	6	"	"	1	X												X																	
Special Instructions					Sample Containers Intact? Y N														Temperature Upon Receipt:		Laboratory Comments:													
Relinquished by:	Date	Time	Received by:		Date	Time	<div style="display: flex; justify-content: space-between;"> 3C 4oz GLASS </div>																											
Relinquished by:	Date	Time	Received by ELOT:		Date	Time																												