

1R - 426-8

# REPORTS

DATE:

8/15/2003

1R-426-8

# DISCLOSURE REPORT

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
BD	Hardy EOL	K	20	21 S	37 E	Lea	Moved 45 ft Northeast		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER \_\_\_\_\_ Millard Deck \_\_\_\_\_ OTHER \_\_\_\_\_

Depth to Groundwater \_\_\_\_\_ 99 \_\_\_\_\_ feet NMOCD SITE ASSESSMENT RANKING SCORE: \_\_\_\_\_ 10 \_\_\_\_\_

Date Started \_\_\_\_\_ 4/30/2003 \_\_\_\_\_ Date Completed \_\_\_\_\_ 8/5/2003 \_\_\_\_\_ OCD Witness \_\_\_\_\_ No \_\_\_\_\_

Soil Excavated \_\_\_\_\_ 433 \_\_\_\_\_ cubic yards Excavation Length \_\_\_\_\_ 30 \_\_\_\_\_ Width \_\_\_\_\_ 30 \_\_\_\_\_ Depth \_\_\_\_\_ 13 \_\_\_\_\_ feet

Soil Disposed \_\_\_\_\_ 0 \_\_\_\_\_ cubic yards Offsite Facility \_\_\_\_\_ n/a \_\_\_\_\_ Location \_\_\_\_\_ n/a \_\_\_\_\_

**FINAL ANALYTICAL RESULTS:** Sample Date \_\_\_\_\_ 5/2/2003 \_\_\_\_\_ Sample Depth \_\_\_\_\_ 13 ft bgs \_\_\_\_\_

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<0.025	<0.025	0.059	0.196	133	2040	1060
BOTTOM	<0.025	0.241	2.010	5.830	1390	6570	2480

General Description of Remedial Action: This junction was located directly north of an active facility. Vertical and lateral delineation yielded consistent chloride and TPH concentrations throughout the 24 x 24 x 13 ft deep excavation. Chloride impact increased with depth and NMOCD TPH guidelines were not met. The hole has been backfilled and the location identified for further consideration at a later date. A new watertight junction box has been built 45 feet northeast of this site.

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH (ft)	ppm
Vertical	3	400
	9	1100
	13	1700
4 wall comp.	n/a	1100
bottom comp.	13	2250

**ADDITIONAL EVALUATION IS MEDIUM PRIORITY.**

cc: lab results, chloride graph, diagram, photos

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE \_\_\_\_\_ 8/15/2003 \_\_\_\_\_ PRINTED NAME \_\_\_\_\_ Kristin Farris \_\_\_\_\_

SIGNATURE \_\_\_\_\_ *Kristin Farris* \_\_\_\_\_ TITLE \_\_\_\_\_ Project Scientist \_\_\_\_\_

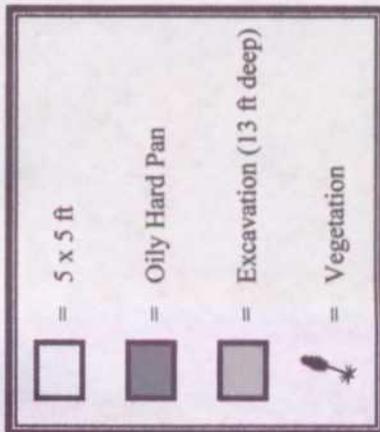
\* This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

BD Hardy EOL



R O A D

PRODUCTION BATTERY

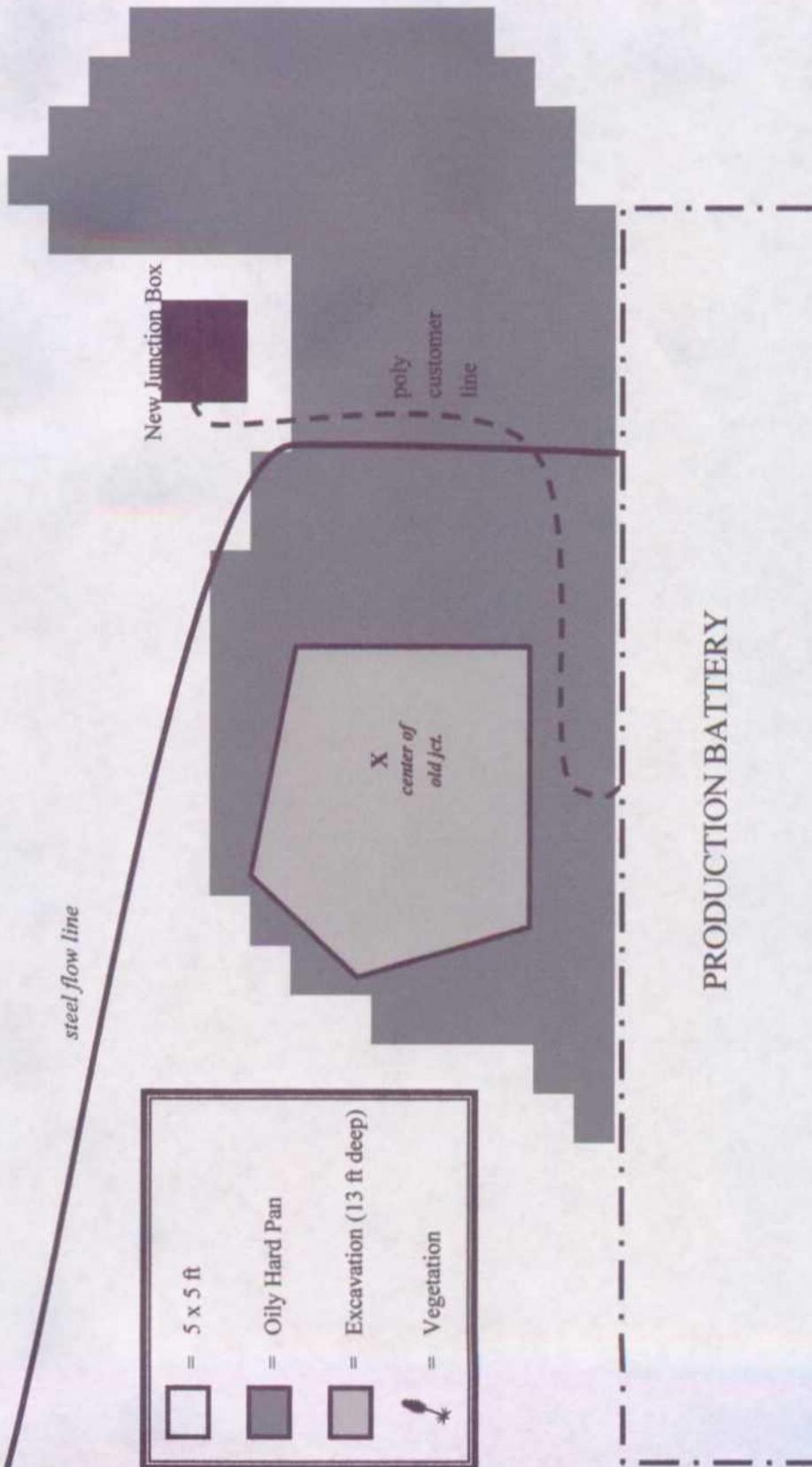


steel flow line

New Junction Box

poly customer line

X  
center of  
old jct.

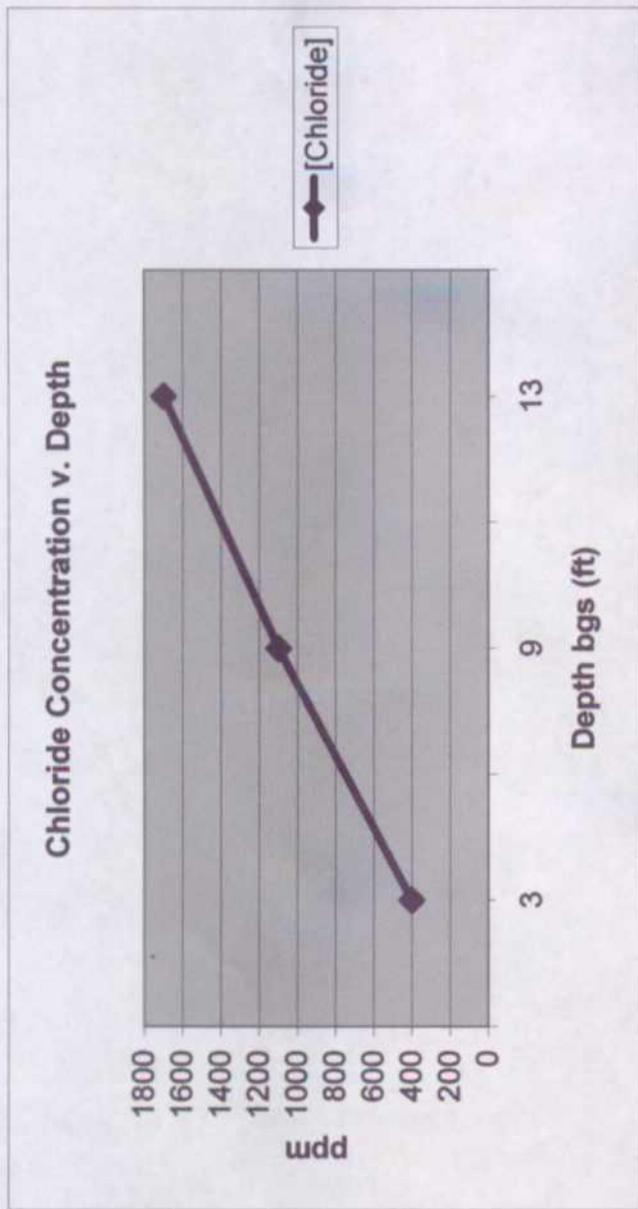


### BD Hardy EOL

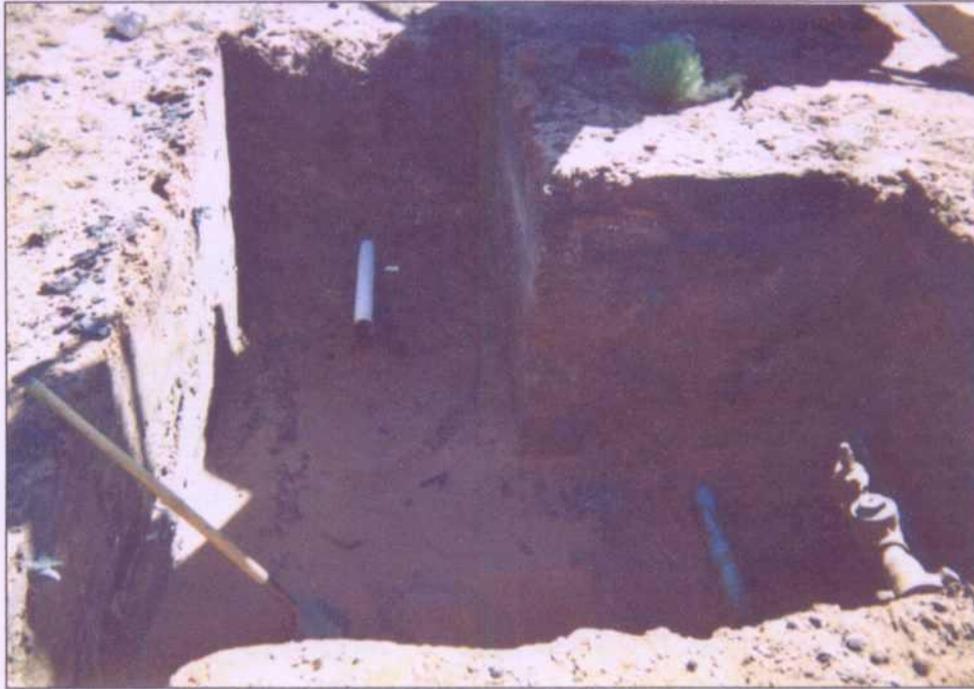
UL 'K', Sec. 20, T21S, R37E

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
3	400
9	1100
13	1700

Groundwater = 99 ft



# BD Hardy EOL



Junction Box Site with Old Plumbing (after NORM)



Excavation--May 2003



Final Excavation (looking Southeast)—May 2003



Backfilled with ID plate (looking East)—August 2003



Collection Area ~140 ft North of Old Junction Box Site (new box in left background)—8/7/2003

# **ANALYTICAL REPORT**

## **Prepared for:**

**Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240**

**Project:** Chevron Hardy EOL

**PO#:**

**Order#:** G0306411

**Report Date:** 05/08/2003

### **Certificates**

**US EPA Laboratory Code TX00158**

# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

Rice Operating  
 122 W. Taylor  
 Hobbs, NM 88240  
 505-397-1471

Order#: G0306411  
 Project:  
 Project Name: Chevron Hardy EOL  
 Location: BD

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 Collected</u>	<u>Date / Time Received</u>	<u>Container</u>	<u>Preservative</u>
0306411-01	5 pt. Bottom Comp. @ 13'	SOIL	5/2/03 11:00	5/2/03 19:30	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 4 C		
0306411-02	Wall Comp.	SOIL	5/2/03 11:00	5/2/03 19:30	4 oz glass	Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX Chloride	Rejected: No		Temp: 4 C		

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
Rice Operating  
122 W. Taylor  
Hobbs, NM 88240

Order#: G0306411  
Project:  
Project Name: Chevron Hardy EOL  
Location: BD

Lab ID: 0306411-01  
Sample ID: 5 pt. Bottom Comp. @ 13'

### 8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
Blank	Prepared	Analyzed	Amount	Factor		
		5/5/03	1	5	WL	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	1390	50.0
DRO, >C12-C35	6570	50.0
TOTAL, C6-C35	7960	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	50%	70	130
1-Chlorooctadecane	21%	70	130

### 8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
Blank	Prepared	Analyzed	Amount	Factor		
0005460-02		5/7/03 14:04	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	0.241	0.025
Ethylbenzene	2.01	0.025
p/m-Xylene	3.70	0.025
o-Xylene	2.13	0.025

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

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

Page 1 of 2

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
 Rice Operating  
 122 W. Taylor  
 Hobbs, NM 88240

Order#: G0306411  
 Project:  
 Project Name: Chevron Hardy EOL  
 Location: BD

Lab ID: 0306411-02  
 Sample ID: Wall Comp.

### 8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
Blank	Prepared	Analyzed	Amount	Factor	WL	8015M
		5/5/03	1	5		

Parameter	Result mg/kg	RL
GRO, C6-C12	133	50.0
DRO, >C12-C35	2040	50.0
TOTAL, C6-C35	2173	50.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	38%	70	130
1-Chlorooctadecane	17%	70	130

### 8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
Blank	Prepared	Analyzed	Amount	Factor	CK	8021B
0005460-02		5/7/03 14:25	1	25		

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	0.059	0.025
p/m-Xylene	0.141	0.025
o-Xylene	0.055	0.025

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

Approval: Raland K Tuttle 5-09-03  
 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.

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Kristin Farris  
 Rice Operating  
 122 W. Taylor  
 Hobbs, NM 88240

Order#: G0306411  
 Project:  
 Project Name: Chevron Hardy EOL  
 Location: BD

Lab ID: 0306411-01  
 Sample ID: 5 pt. Bottom Comp. @ 13'

**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	2480	mg/kg	1	20	9253	5/6/03	SB

Lab ID: 0306411-02  
 Sample ID: Wall Comp.

**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	1060	mg/kg	1	20	9253	5/6/03	SB

Approval: Roland K. Tuttle 5-09-03  
 Roland K. Tuttle, Lab Director, QA Officer      Date  
 Celey D. Keene, Org. Tech. Director  
 Jeanné McMurrey, Inorg. Tech. Director  
 Sandra Biezugbe, Lab Tech.  
 Sara Molina, Lab Tech.

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8015M

Order#: G0306411

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005438-02			<10.0		
<b>CONTROL</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005438-03		952	924	97.1%	
<b>CONTROL DUP</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005438-04		952	945	99.3%	2.2%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005438-05		1000	890	89%	

**ENVIRONMENTAL LAB OF TEXAS****QUALITY CONTROL REPORT****8021B/5030 BTEX****Order#: G0306411**

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005460-02			<0.025		
Toluene-mg/kg		0005460-02			<0.025		
Ethylbenzene-mg/kg		0005460-02			<0.025		
p/m-Xylene-mg/kg		0005460-02			<0.025		
o-Xylene-mg/kg		0005460-02			<0.025		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306423-02	0	0.1	0.094	94.0%	
Toluene-mg/kg		0306423-02	0	0.1	0.090	90.0%	
Ethylbenzene-mg/kg		0306423-02	0	0.1	0.087	87.0%	
p/m-Xylene-mg/kg		0306423-02	0	0.2	0.183	91.5%	
o-Xylene-mg/kg		0306423-02	0	0.1	0.090	90.0%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0306423-02	0	0.1	0.105	105.0%	11.1%
Toluene-mg/kg		0306423-02	0	0.1	0.103	103.0%	13.5%
Ethylbenzene-mg/kg		0306423-02	0	0.1	0.102	102.0%	15.9%
p/m-Xylene-mg/kg		0306423-02	0	0.2	0.211	105.5%	14.2%
o-Xylene-mg/kg		0306423-02	0	0.1	0.101	101.0%	11.5%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0005460-05		0.1	0.094	94.0%	
Toluene-mg/kg		0005460-05		0.1	0.096	96.0%	
Ethylbenzene-mg/kg		0005460-05		0.1	0.095	95.0%	
p/m-Xylene-mg/kg		0005460-05		0.2	0.197	98.5%	
o-Xylene-mg/kg		0005460-05		0.1	0.090	90.0%	

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

### Test Parameters

Order#: G0306411

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005442-01			<20.0		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306411-01	2480	500	2960	96.0%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306411-01	2480	500	2980	100.0%	0.7%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005442-04		5000	4960	99.2%	

# CASE NARRATIVE

## ENVIRONMENTAL LAB OF TEXAS

**Prepared for:**

Rice Operating  
 122 W. Taylor  
 Hobbs, NM 88240

**Order#:** G0306411

**Project:** Chevron Hardy EOL

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
5 pt. Bottom Comp.	0306411-01	SOIL	05/02/2003	05/02/2003
Wall Comp.	0306411-02	SOIL	05/02/2003	05/02/2003

**Surrogate recoveries on 8015M TPH are outside of control limits due to dilution (G0306411-01, 02).**

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: Raland K. Sub Date: 5-09-03  
 Environmental Lab of Texas I, Ltd.

