

1R - 426-133

**REPORTS**

**DATE:**

3-16-07

**BD Hendrix Elliot EOL**

1R-426-133

RECEIVED

APR - 2 2007

Environmental Agency  
Oil Conservation Division

# Disclosure

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

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	NEW BOX DIMENSIONS - FEET		
							Length	Width	Depth
BD	Hendrix Elliot EOL	E	35	21S	37E	Lea	moved 25 ft East		

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

Depth to Groundwater 45.6 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 10/21/2005 Date Completed 4/17/2006 NMOCD Witness no

Soil Excavated 278 cubic yards Excavation Length 25 Width 25 Depth 12 feet

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

**FINAL ANALYTICAL RESULTS:** Sample Date 10/27/2005 Sample Depth 12 ft

Procure 5-point composite sample of the excavation bottom. 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	Chloride mg/kg
4-WALL COMP.	PID = 0.1				7.34	198	916
BOTTOM COMP.	0.00796	0.0980	0.257	1.18	138.0	585	973
REMED. BACKFILL	PID = 88.3				55.1	577	639

**General Description of Remedial Action:**

This end-of-line (EOL) box was

addressed with the pipeline replacement/upgrade program. The junction was moved 25 ft east where a new junction box was built. The former box site was delineated using a backhoe to produce a 25 x 25 x 12-ft-deep excavation. Soil samples that were collected at regular intervals yielded elevated chloride concentrations south and west of the box. Composite samples were collected from the final excavation for laboratory analysis. OCD TPH guidelines were not met on the bottom, 4-wall, and backfill samples. The excavated soil was blended on site and then returned to the excavation at 6 ft BGS where a clay barrier was installed. The remainder of the soil was used to fill the excavation on top of the clay and to contour the surface. An identification plate was placed on the surface to mark the location of the former junction for future environmental considerations and the presence of clay below. The disturbed surface was seeded with a blend of native vegetation on 9/1/2006. On 3/15/2007, OCD was notified of potential groundwater impact at this site.

**ADDITIONAL EVALUATION IS HIGH PRIORITY**

enclosures: photos, lab results, PID field screenings, chloride graphs, BTEX comparison

**CHLORIDE FIELD TESTS**

LOCATION	DEPTH (ft)	ppm
15 ft SOUTH of former jct. box site	3	1000
	4	801
	5	1025
	6	625
	7	850
	8	2228
	9	1888
	10	3326
	11	3289
	12	1522
4-wall comp.	n/a	442
bottom comp.	12	664
backfill comp.	n/a	617

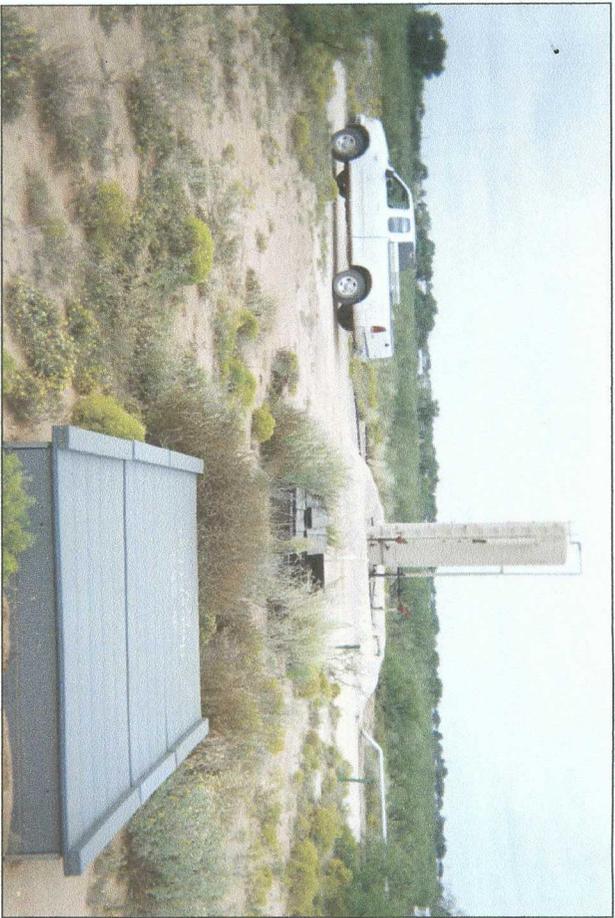
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Kevin Collins SIGNATURE not available COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 3/16/2007 TITLE Project Scientist

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



new junction box in foreground; old wooden box in background



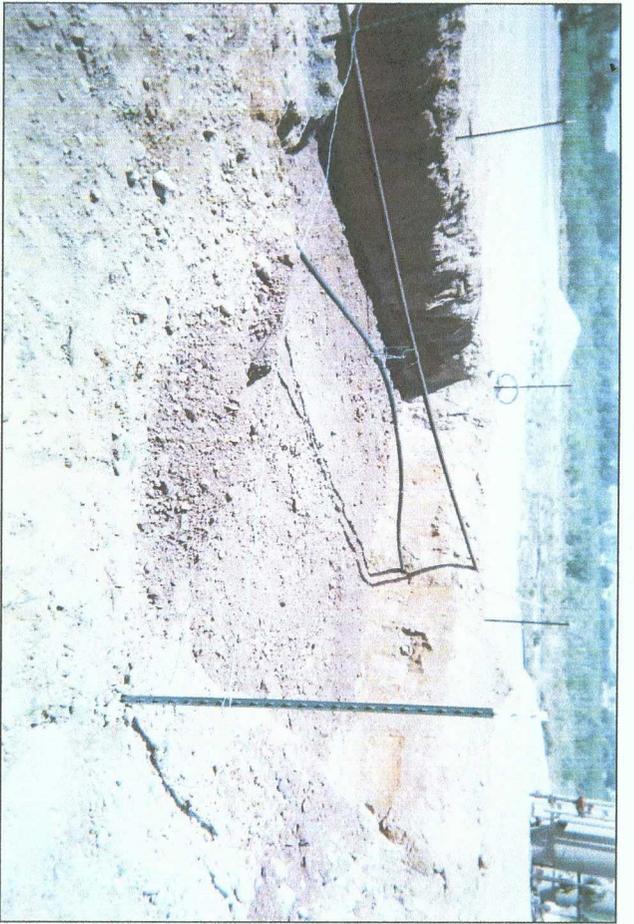
collecting final samples from excavation bottom 10/27/2005



final 25 x 25 x 12 ft deep excavation Oct. 2005

# BD Hendrix Elliott EOL

Unit 'E', Sec. 35, T21S, R37E



clay barrier at 6 ft BGS

4/19/2006



backfilling excavation

4/20/2006



backfilling excavation

4/21/2006



seeding disturbed surface

9/1/2006

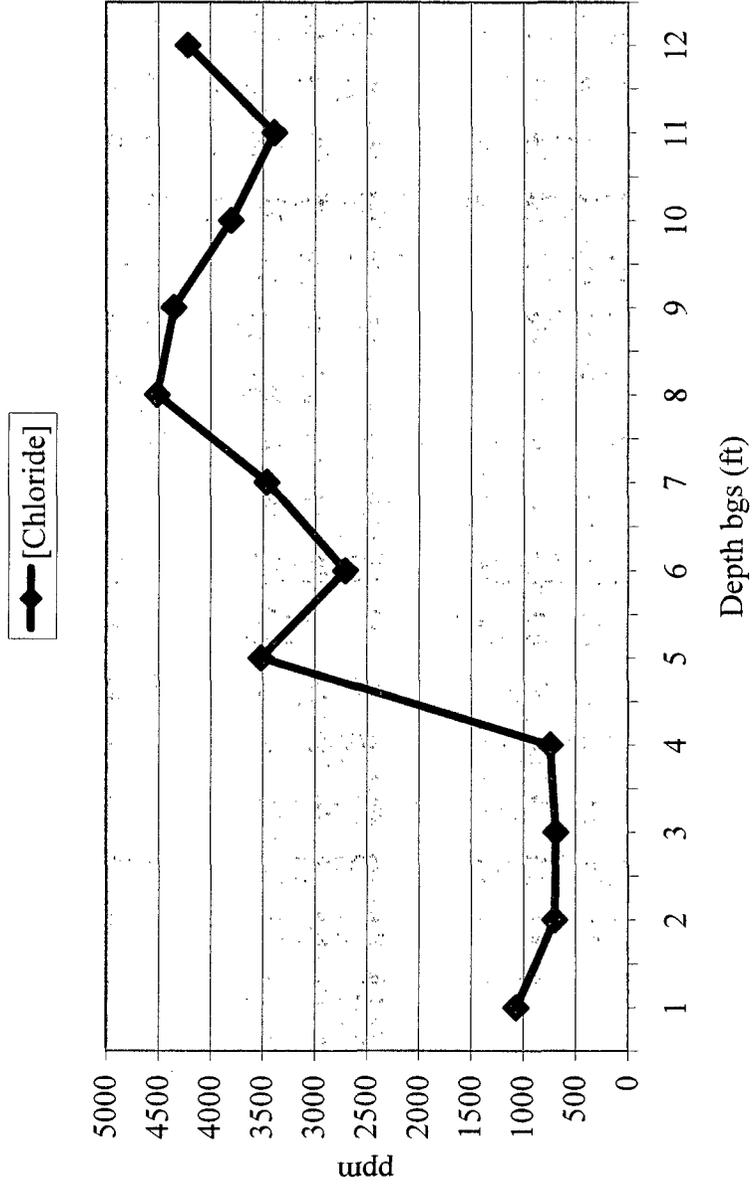
# BD Hendrix Elliott EOL

Unit 'E', Sec. 35, T21S, R37E

15 ft WEST of junction

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
1	1069
2	701
3	687
4	745
5	3516
6	2709
7	3459
8	4517
9	4354
10	3805
11	3390
12	4216

### Chloride Concentration vs. Depth



Groundwater = 45.6 ft

**2006 BTEX Study**

**Revised Junction Box Upgrade Plan (2003)**

System: BD      Date: 10/27/2005      Laboratory: Environmental  
 Site: Hendrix Elliott EOL      Sampler: Kevin Collins      Lab of Texas

Location	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
		Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	599	0.00796	0.0980	0.257	1.18
		LAB COMPOSITE (mg/kg)			
		0.0142	0.515	1.83	4.893

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade  
 Work Plan (July 16, 2003)

25' x 25' x 12'

122 WEST TAYLOR  
HOBBS, NEW MEXICO 88240  
PHONE: (505) 393-9174 FAX: (505) 397-1471  
VOC FIELD TEST REPORT FORM  
MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S  
CALIBRATION GAS  
GAS COMPOSITION: ISOBUTYLENE  
AIR  
LOT NO: 05-2859  
EXP. DATE: 01/19/07  
METER READING  
ACCURACY: 100.2

SERIAL NO: 104412  
100 PPM  
BALANCE  
FILL DATE: 07/19/05  
ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
BD	Handwritten Elloit E01	E	35	215	37E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
Bottom Comp	599		
4 Wall Comp	0.1		
Back Fill Comp	88.3		

COPY

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Handwritten Signature  
Signature

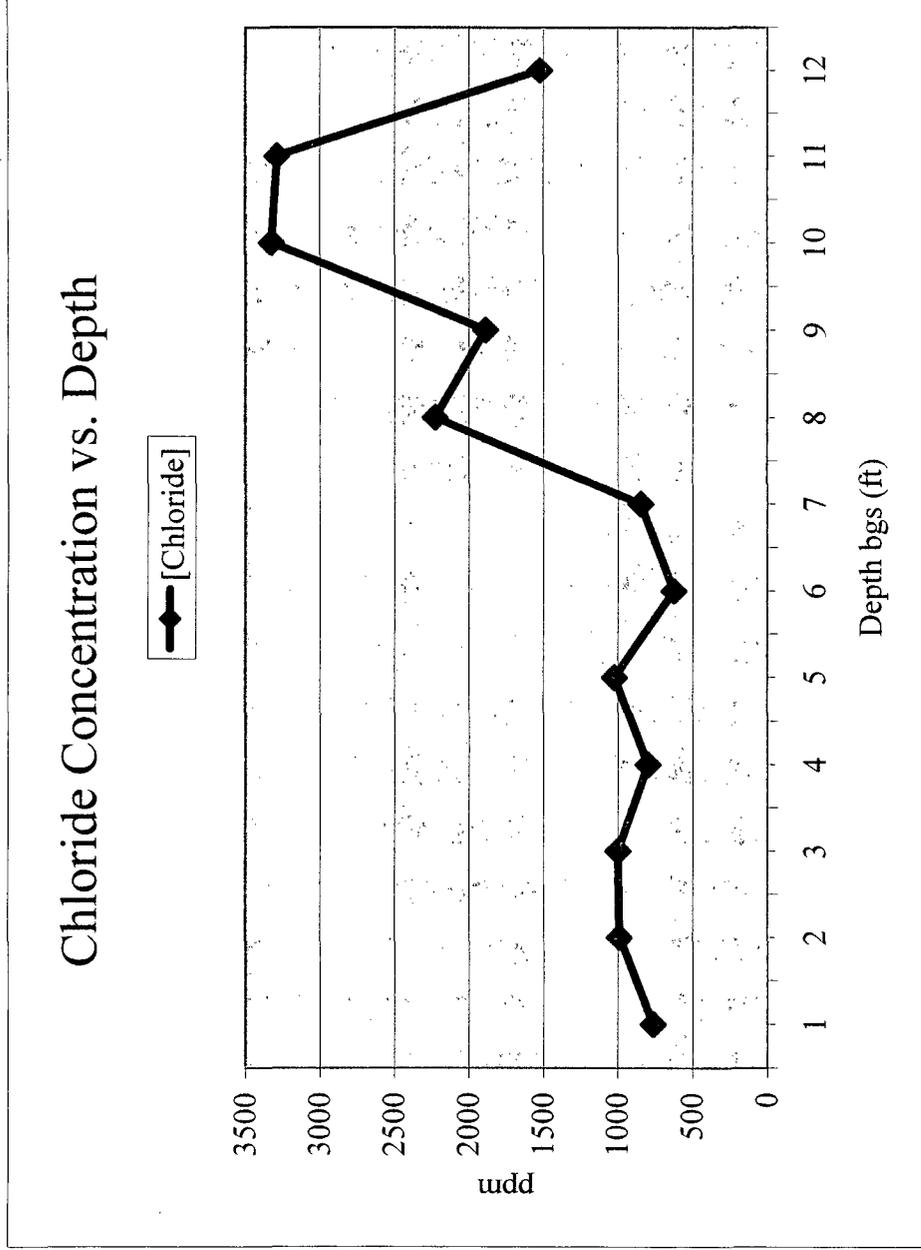
10/2/05  
Date

# BD Hendrix Elliott EOL

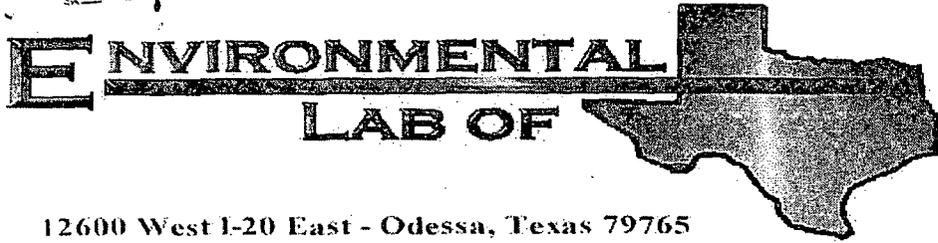
Unit 'E', Sec. 35, T21S, R37E

15 ft SOUTH of junction

Depth bgs (ft)	[Cl <sup>-</sup> ] ppm
1	764
2	989
3	1000
4	801
5	1025
6	625
7	850
8	2228
9	1888
10	3326
11	3289
12	1522



Groundwater = 45.6 ft



25 x 25 x 12 ft

①

12600 West I-20 East - Odessa, Texas 79765

# Analytical Report

**COPY**

**Prepared for:**

Roy Rascon  
Rice Operating Co.  
122 W. Taylor  
Hobbs, NM 88240

Project: BD Hendrix Elliott EOL

Project Number: None Given

Location: None Given

Lab Order Number: 5J28004

Report Date: 11/07/05

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Hendrix Elliott EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/07/05 14:37

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4 Wall Comp.@ 25'X25'	5J28004-01	Soil	10/27/05 12:35	10/28/05 07:50
Bottom Comp.@ 12'	5J28004-02	Soil	10/27/05 12:30	10/28/05 07:50
Comp. Bottom SP #1-5	5J28004-03	Soil	10/27/05 12:14	10/28/05 07:50
Blend Backfill	5J28004-04	Soil	10/27/05 13:09	10/28/05 07:50

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Hendrix Elliott EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/07/05 14:37

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>4 Wall Comp.@ 25'X25' (5J28004-01) Soil</b>									
Gasoline Range Organics C6-C12	J [7.34]	10.0	mg/kg dry	1	EJ52810	10/28/05	10/28/05	EPA 8015M	J
Diesel Range Organics >C12-C35	198	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	198	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		115 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		140 %	70-130		"	"	"	"	S-04
<b>Bottom Comp.@ 12' (5J28004-02) Soil</b>									
Benzene	J [0.00796]	0.0250	mg/kg dry	25	EK50312	11/03/05	11/03/05	EPA 8021B	J
Toluene	0.0980	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.257	0.0250	"	"	"	"	"	"	
Xylene (p/m)	1.04	0.0250	"	"	"	"	"	"	
Xylene (o)	0.140	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		88.3 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		146 %	80-120		"	"	"	"	S-04
Gasoline Range Organics C6-C12	138	10.0	"	1	EJ52810	10/28/05	10/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	585	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	723	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		127 %	70-130		"	"	"	"	
<b>Comp. Bottom SP #1-5 (5J28004-03) Soil</b>									
Benzene	J [0.0142]	0.0250	mg/kg dry	25	EK50219	11/01/05	11/02/05	EPA 8021B	J
Toluene	0.515	0.0250	"	"	"	"	"	"	
Ethylbenzene	1.83	0.0250	"	"	"	"	"	"	
Xylene (p/m)	4.43	0.0250	"	"	"	"	"	"	
Xylene (o)	0.463	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		132 %	80-120		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		189 %	80-120		"	"	"	"	S-04

Rice Operating Co.  
 122 W. Taylor  
 Hobbs NM, 88240

Project: BD Hendrix Elliott EOL  
 Project Number: None Given  
 Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
 11/07/05 14:37

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Blend Backfill (5J28004-04) Soil</b>									
<b>Gasoline Range Organics C6-C12</b>	<b>55.1</b>	10.0	mg/kg dry	1	EJ52810	10/28/05	10/28/05	EPA 8015M	
<b>Diesel Range Organics &gt;C12-C35</b>	<b>577</b>	10.0	"	"	"	"	"	"	
<b>Total Hydrocarbon C6-C35</b>	<b>632</b>	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		129 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		174 %	70-130		"	"	"	"	S-04

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Hendrix Elliott EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/07/05 14:37

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>4 Wall Comp.@ 25'X25' (5J28004-01) Soil</b>									
Chloride	916	20.0	mg/kg	40	EK50207	11/01/05	11/02/05	EPA 300.0	
% Moisture	10.8	0.1	%	1	EJ53114	10/28/05	10/31/05	% calculation	
<b>Bottom Comp.@ 12' (5J28004-02) Soil</b>									
Chloride	973	50.0	mg/kg	100	EK50207	11/01/05	11/02/05	EPA 300.0	
% Moisture	15.1	0.1	%	1	EJ53114	10/28/05	10/31/05	% calculation	
<b>Comp. Bottom SP #1-5 (5J28004-03) Soil</b>									
% Moisture	13.0	0.1	%	1	EJ53114	10/28/05	10/31/05	% calculation	
<b>Blend Backfill (5J28004-04) Soil</b>									
Chloride	639	10.0	mg/kg	20	EK50207	11/01/05	11/02/05	EPA 300.0	
% Moisture	10.3	0.1	%	1	EJ53114	10/28/05	10/31/05	% calculation	

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Hendrix Elliott EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/07/05 14:37

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EJ52810 - Solvent Extraction (GC)**

**Blank (EJ52810-BLK1)**

Prepared & Analyzed: 10/28/05

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0		91.8	70-130			
Surrogate: 1-Chlorooctadecane	55.2		"	50.0		110	70-130			

**LCS (EJ52810-BS1)**

Prepared & Analyzed: 10/28/05

Gasoline Range Organics C6-C12	481	10.0	mg/kg wet	500		96.2	75-125			
Diesel Range Organics >C12-C35	458	10.0	"	500		91.6	75-125			
Total Hydrocarbon C6-C35	939	10.0	"	1000		93.9	75-125			
Surrogate: 1-Chlorooctane	55.6		mg/kg	50.0		111	70-130			
Surrogate: 1-Chlorooctadecane	50.7		"	50.0		101	70-130			

**Calibration Check (EJ52810-CCV1)**

Prepared & Analyzed: 10/28/05

Gasoline Range Organics C6-C12	512		mg/kg	500		102	80-120			
Diesel Range Organics >C12-C35	480		"	500		96.0	80-120			
Total Hydrocarbon C6-C35	992		"	1000		99.2	80-120			
Surrogate: 1-Chlorooctane	54.5		"	50.0		109	70-130			
Surrogate: 1-Chlorooctadecane	54.4		"	50.0		109	70-130			

**Matrix Spike (EJ52810-MS1)**

Source: 5J28003-23

Prepared & Analyzed: 10/28/05

Gasoline Range Organics C6-C12	644	10.0	mg/kg dry	579	21.4	108	75-125			
Diesel Range Organics >C12-C35	637	10.0	"	579	117	89.8	75-125			
Total Hydrocarbon C6-C35	1280	10.0	"	1160	138	98.4	75-125			
Surrogate: 1-Chlorooctane	64.2		mg/kg	50.0		128	70-130			
Surrogate: 1-Chlorooctadecane	62.8		"	50.0		126	70-130			

**Matrix Spike Dup (EJ52810-MSD1)**

Source: 5J28003-23

Prepared & Analyzed: 10/28/05

Gasoline Range Organics C6-C12	602	10.0	mg/kg dry	579	21.4	100	75-125	6.74	20	
Diesel Range Organics >C12-C35	619	10.0	"	579	117	86.7	75-125	2.87	20	
Total Hydrocarbon C6-C35	1220	10.0	"	1160	138	93.3	75-125	4.80	20	
Surrogate: 1-Chlorooctane	63.5		mg/kg	50.0		127	70-130			
Surrogate: 1-Chlorooctadecane	60.9		"	50.0		122	70-130			

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Hendrix Elliott EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/07/05 14:37

**Organics by GC - Quality Control  
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EK50219 - EPA 5030C (GC)**

**Blank (EK50219-BLK1)**

Prepared & Analyzed: 11/01/05

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	0.0429		"	0.0400		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.0473		"	0.0400		118	80-120			

**LCS (EK50219-BS1)**

Prepared & Analyzed: 11/01/05

Benzene	0.0479	0.00100	mg/kg wet	0.0500		95.8	80-120			
Toluene	0.0494	0.00100	"	0.0500		98.8	80-120			
Ethylbenzene	0.0469	0.00100	"	0.0500		93.8	80-120			
Xylene (p/m)	0.0887	0.00100	"	0.100		88.7	80-120			
Xylene (o)	0.0477	0.00100	"	0.0500		95.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0427		"	0.0400		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.0352		"	0.0400		88.0	80-120			

**Calibration Check (EK50219-CCV1)**

Prepared: 11/01/05 Analyzed: 11/02/05

Benzene	45.8		ug/kg	50.0		91.6	80-120			
Toluene	47.6		"	50.0		95.2	80-120			
Ethylbenzene	46.0		"	50.0		92.0	80-120			
Xylene (p/m)	87.4		"	100		87.4	80-120			
Xylene (o)	46.9		"	50.0		93.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0396		mg/kg wet	0.0400		99.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0348		"	0.0400		87.0	80-120			

**Matrix Spike (EK50219-MS1)**

Source: 5J27009-01

Prepared: 11/01/05 Analyzed: 11/02/05

Benzene	0.0509	0.00100	mg/kg dry	0.0557	ND	91.4	80-120			
Toluene	0.0540	0.00100	"	0.0557	ND	96.9	80-120			
Ethylbenzene	0.0538	0.00100	"	0.0557	ND	96.6	80-120			
Xylene (p/m)	0.102	0.00100	"	0.111	ND	91.9	80-120			
Xylene (o)	0.0550	0.00100	"	0.0557	ND	98.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0424		"	0.0445		95.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.0509		"	0.0445		114	80-120			

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Hendrix Elliott EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/07/05 14:37

**Organics by GC - Quality Control  
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EK50219 - EPA 5030C (GC)**

**Matrix Spike Dup (EK50219-MSD1)**

Source: 5J27009-01

Prepared: 11/01/05

Analyzed: 11/02/05

Benzene	0.0504	0.00100	mg/kg dry	0.0557	ND	90.5	80-120	0.990	20	
Toluene	0.0538	0.00100	"	0.0557	ND	96.6	80-120	0.310	20	
Ethylbenzene	0.0538	0.00100	"	0.0557	ND	96.6	80-120	0.00	20	
Xylene (p/m)	0.102	0.00100	"	0.111	ND	91.9	80-120	0.00	20	
Xylene (o)	0.0548	0.00100	"	0.0557	ND	98.4	80-120	0.304	20	
Surrogate: a,a,a-Trifluorotoluene	0.0465		"	0.0445		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.0516		"	0.0445		116	80-120			

**Batch EK50312 - EPA 5030C (GC)**

**Blank (EK50312-BLK1)**

Prepared & Analyzed: 11/03/05

Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	0.0354		"	0.0400		88.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0440		"	0.0400		110	80-120			

**LCS (EK50312-BS1)**

Prepared & Analyzed: 11/03/05

Benzene	0.0435	0.00100	mg/kg wet	0.0500		87.0	80-120			
Toluene	0.0458	0.00100	"	0.0500		91.6	80-120			
Ethylbenzene	0.0452	0.00100	"	0.0500		90.4	80-120			
Xylene (p/m)	0.0888	0.00100	"	0.100		88.8	80-120			
Xylene (o)	0.0464	0.00100	"	0.0500		92.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0394		"	0.0400		98.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.5	80-120			

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Hendrix Elliott EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/07/05 14:37

**Organics by GC - Quality Control  
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EK50312 - EPA 5030C (GC)**

**Calibration Check (EK50312-CCV1)**

Prepared: 11/03/05 Analyzed: 11/04/05

Benzene	44.2		ug/kg	50.0		88.4	80-120			
Toluene	46.3		"	50.0		92.6	80-120			
Ethylbenzene	44.8		"	50.0		89.6	80-120			
Xylene (p/m)	89.5		"	100		89.5	80-120			
Xylene (o)	46.1		"	50.0		92.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0381		mg/kg wet	0.0400		95.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.0359		"	0.0400		89.8	80-120			

**Matrix Spike (EK50312-MS1)**

Source: 5J31002-01

Prepared: 11/03/05 Analyzed: 11/04/05

Benzene	1.20	0.0250	mg/kg dry	1.32	ND	90.9	80-120			
Toluene	1.25	0.0250	"	1.32	ND	94.7	80-120			
Ethylbenzene	1.26	0.0250	"	1.32	ND	95.5	80-120			
Xylene (p/m)	2.51	0.0250	"	2.63	ND	95.4	80-120			
Xylene (o)	1.30	0.0250	"	1.32	ND	98.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0425		"	0.0421		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.0472		"	0.0421		112	80-120			

**Matrix Spike Dup (EK50312-MSD1)**

Source: 5J31002-01

Prepared: 11/03/05 Analyzed: 11/04/05

Benzene	1.13	0.0250	mg/kg dry	1.32	ND	85.6	80-120	6.01	20	
Toluene	1.17	0.0250	"	1.32	ND	88.6	80-120	6.66	20	
Ethylbenzene	1.19	0.0250	"	1.32	ND	90.2	80-120	5.71	20	
Xylene (p/m)	2.30	0.0250	"	2.63	ND	87.5	80-120	8.64	20	
Xylene (o)	1.22	0.0250	"	1.32	ND	92.4	80-120	6.39	20	
Surrogate: a,a,a-Trifluorotoluene	0.0362		"	0.0421		86.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0471		"	0.0421		112	80-120			

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Hendrix Elliott EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471  
Reported:  
11/07/05 14:37

**General Chemistry Parameters by EPA / Standard Methods - Quality Control  
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch EJ53114 - General Preparation (Prep)</b>										
<b>Blank (EJ53114-BLK1)</b> Prepared: 10/28/05 Analyzed: 10/31/05										
% Solids	100		%							
<b>Duplicate (EJ53114-DUP1)</b> Source: 5J28003-01 Prepared: 10/28/05 Analyzed: 10/31/05										
% Solids	88.2		%		88.6			0.452	20	
<b>Batch EK50207 - Water Extraction</b>										
<b>Blank (EK50207-BLK1)</b> Prepared: 11/01/05 Analyzed: 11/02/05										
Chloride	ND	0.500	mg/kg							
<b>LCS (EK50207-BS1)</b> Prepared: 11/01/05 Analyzed: 11/02/05										
Chloride	8.51		mg/L	10.0		85.1	80-120			
<b>Calibration Check (EK50207-CCV1)</b> Prepared: 11/01/05 Analyzed: 11/02/05										
Chloride	8.44		mg/L	10.0		84.4	80-120			
<b>Duplicate (EK50207-DUP1)</b> Source: 5J28003-23 Prepared: 11/01/05 Analyzed: 11/02/05										
Chloride	1640	20.0	mg/kg		1650			0.608	20	

Rice Operating Co.  
122 W. Taylor  
Hobbs NM, 88240

Project: BD Hendrix Elliott EOL  
Project Number: None Given  
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:  
11/07/05 14:37

### Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: Raland K Tuttle Date: 11-07-05

Raland K. Tuttle, Lab Manager  
Celey D. Keene, Lab Director, Org. Tech Director  
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director  
LaTasha Cornish, Chemist  
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.



**Environmental Lab of Texas**  
**Variance / Corrective Action Report – Sample Log-In**

Client: RICE Op.

Date/Time: 10/28/05 7:50

Order #: 552806

Initials: CK

**Sample Receipt Checklist**

	Yes	No	
Temperature of container/cooler?			-2.5 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/>	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No	
Container labels legible and intact?	<input checked="" type="checkbox"/>	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No	
Samples properly preserved?	<input checked="" type="checkbox"/>	No	
Sample bottles intact?	<input checked="" type="checkbox"/>	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable

Other observations:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Variance Documentation:**

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Regarding:

\_\_\_\_\_

\_\_\_\_\_

Corrective Action Taken:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Jeanne McMurrey**

---

**From:** "Jeanne McMurrey" <jeanne@elabtexas.com>  
**To:** "Roy Rascon" <rroyriceswd@valornet.com>  
**Sent:** Friday, October 28, 2005 7:53 AM  
**Subject:** Re: Sampling date discrepancy

Good Morning Roy,

We received your samples for BD Hendrix Elliott this morning. We have a discrepancy on the sampling date. The COC says 04/27/05 and the labels say 10/27/05. I know the answer is obvious but I still have to hear from you.

Thanks,  
Jeanne

Jeanne McMurrey  
Environmental Lab of Texas I, Ltd.  
12600 West I-20 East  
Odessa, Texas 79765  
432-563-1800

**Jeanne McMurrey**

---

**From:** "Roy Rascon" <rroyriceswd@valornet.com>  
**To:** "Jeanne McMurrey" <jeanne@elabtexas.com>  
**Sent:** Saturday, October 29, 2005 11:40 AM  
**Subject:** BD Hendrix Elliott EOL samples

Jeanne

Thanks for cataching this discrepency. After seeing the copy that we make at our office, it was very obvious. I am sorry about the date, it should of read 10-27-05. Thanks again and have a nice day

Roy R. Rascon  
RICE Operating Company  
122 W. Taylor  
Hobbs, NM 88240  
505-393-9174

--

This message has been scanned for viruses and dangerous content by **BasinBroadband**, and is believed to be clean.