1R - 427 - 167

REPORTS

DATE:

8-27-04

EME Brit ECL

IR0427-167

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
EME	Britt EOL	D	18	20S	37E	Lea	moved 44 ft East		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Jimmy Cooper OTHER _____

Depth to Groundwater 30 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 8/5/2004 Date Completed 8/17/2004 OCD Witness No

Soil Excavated 44 cubic yards Excavation Length 10 Width 10 Depth 12 feet

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

FINAL ANALYTICAL RESULTS: **Sample Date** 8/9/2004 **Sample Depth** 12 ft

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

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	77.8	133	1970	213
BOTTOM COMP.	61.6	59.7	1630	202
REMED. BACKFILL	19.1	117	2550	106

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
vertical	6	360
at jct.	7	270
	8	209
	9	240
	10	210
	11	239
	12	179
5 ft West	6	330
	7	419
	8	240
	9	239
	10	210
	11	180
	12	179
4-wall comp.	n/a	240
bottom comp.	12	300
backfill	n/a	209

General Description of Remedial Action: This end-of-line (EOL) box was located on the east side of an active production battery surrounded by an asphaltic, hydrocarbon-impacted surface. The pipeline was replaced and a new watertight junction box was built 44 ft east of the old one. The old box was delineated using a backhoe while PID screenings and chloride field tests were conducted at regular intervals. Chloride concentrations were minimal and similar to background levels throughout the 10 x 10 x 12-ft-deep excavation. A conclusive trend of decline was observed (see graphs). NMOCD TPH guidelines were not met within the excavation. The excavated soil were blended on site and then backfilled into the hole. The producer has agreed to remediate this site along with the battery at the time of its abandonment. Meanwhile, remaining hydrocarbons will naturally attenuate.

enclosures: chloride graphs, photos, lab results, PID field screenings, diagram

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

SITE SUPERVISOR Rob Elam SIGNATURE Rob Elam COMPANY Curt's Environmental--Odessa, TX

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 8/27/2004 TITLE Project Scientist

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

EME Britt EOL

unit 'D', Sec. 18, T20S, R37E

undisturbed junction box 8/6/2003

lumber and box removed 7/28/2004

new plumbing at new box site 44 ft East of old box 7/28/2004

EME Britt EOL

new pipeline; site of old junction box in foreground 7/30/2004

final 10 x 10 x 12-ft-deep excavation 8/9/2004

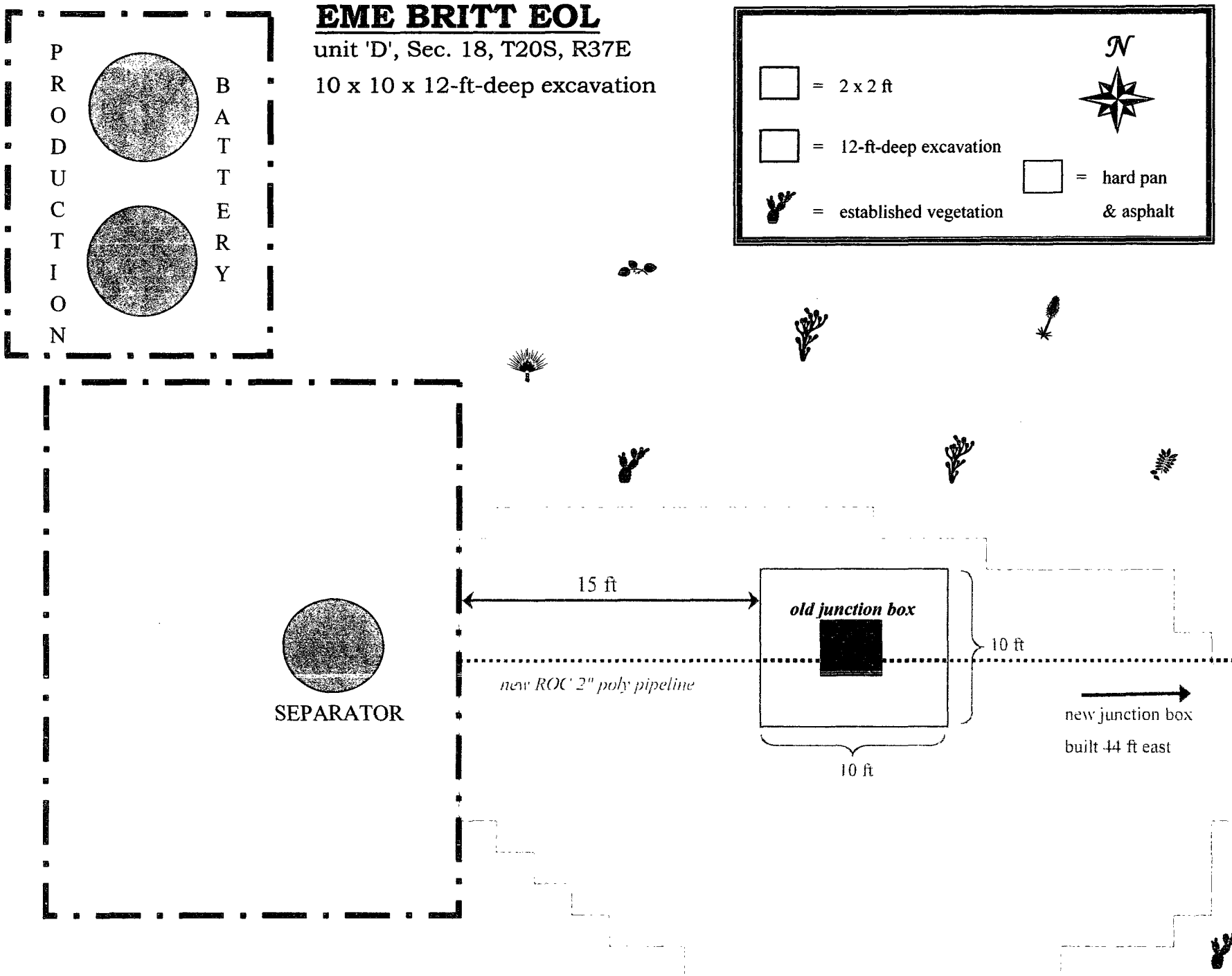
Backfilled excavation 8/17/2004

completed junction box 44 ft East 8/30/2004

EME BRITT EOL

unit 'D', Sec. 18, T20S, R37E

10 x 10 x 12-ft-deep excavation



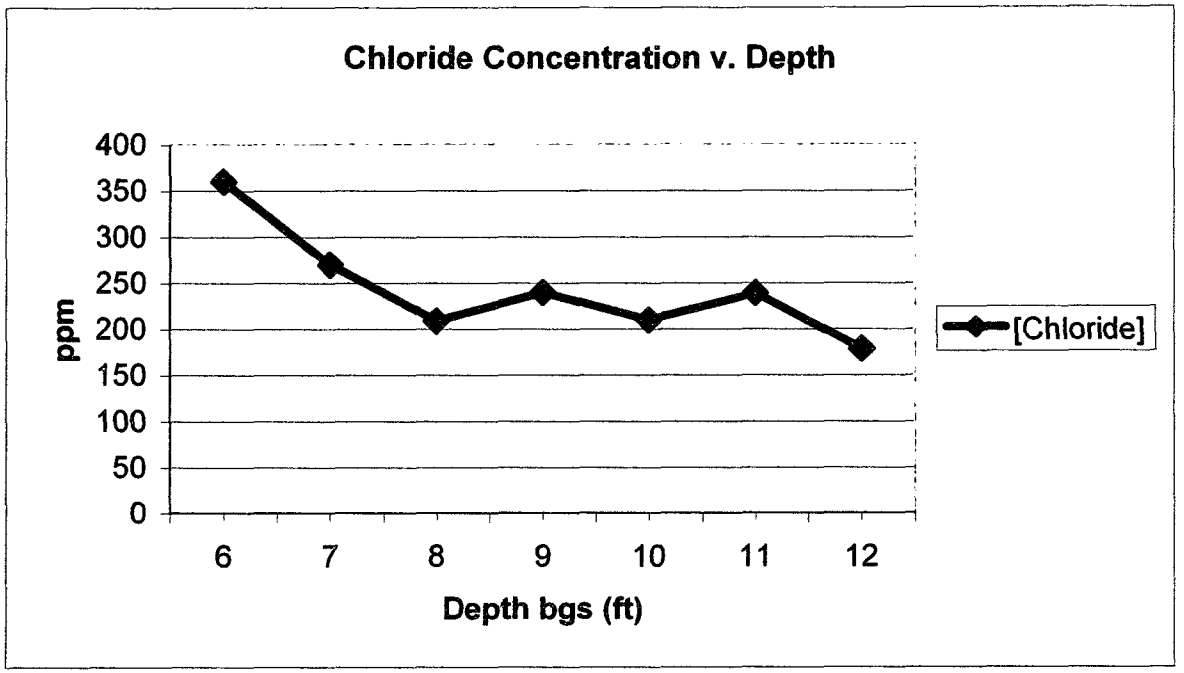
EME Britt EOL

unit 'D', Sec. 18, T20S, R37E

Vertical Delineation at Source

Depth bgs (ft)	[Cl⁻] ppm
6	360
7	270
8	209
9	240
10	210
11	239
12	179

Groundwater = 30 ft



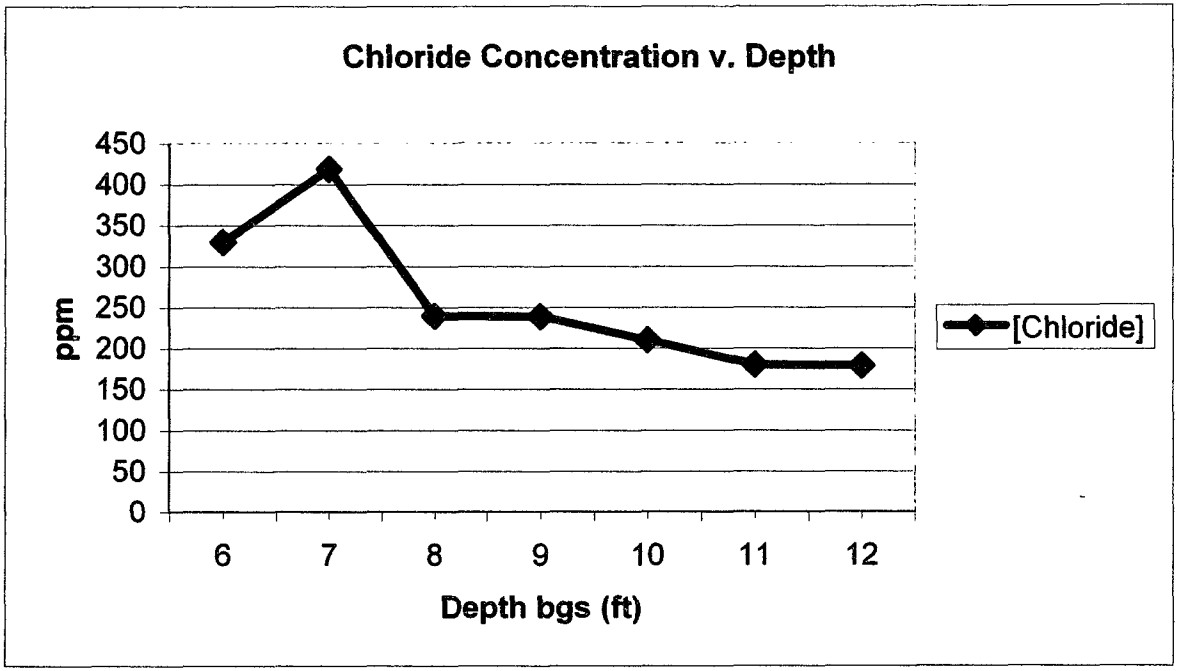
EME Britt EOL

unit 'D', Sec. 18, T20S, R37E

5 ft West of junction

Depth bgs (ft)	[Cl⁻] ppm
6	330
7	419
8	240
9	239
10	210
11	180
12	179

Groundwater = 30 ft



ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Hendrix Britt EOL
Project Number: None Given
Location: EME

Lab Order Number: 4H12003

Report Date: 08/17/04

Rice Operating Co.	Project: Hendrix Britt EOL	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	08/17/04 16:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
12' Bottom Composite	4H12003-01	Soil	08/09/04 11:30	08/12/04 07:45
Wall Composite	4H12003-02	Soil	08/09/04 11:30	08/12/04 07:45
Backfill Composite	4H12003-03	Soil	08/09/04 11:30	08/12/04 07:45

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: Hendrix Britt EOL	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	08/17/04 16:01

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
12' Bottom Composite (4H12003-01) Soil									
Gasoline Range Organics C6-C12	**59.7**	10.0	mg/kg dry	1	EH41207	08/12/04	08/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1630**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1690**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*125 %*	*70-130*		"	"	"	"	
Wall Composite (4H12003-02) Soil									
Gasoline Range Organics C6-C12	**133**	10.0	mg/kg dry	1	EH41207	08/12/04	08/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1970**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2100**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*117 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"	
Backfill Composite (4H12003-03) Soil									
Gasoline Range Organics C6-C12	**117**	50.0	mg/kg dry	5	EH41207	08/12/04	08/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	**2550**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2670**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*20.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*25.8 %*	*70-130*		"	"	"	"	*S-06*

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Rice Operating Co.	Project: Hendrix Britt EOL	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	08/17/04 16:01

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
12' Bottom Composite (4H12003-01) Soil									
Chloride	**202**	20.0	mg/kg Wet	2	EH41709	08/12/04	08/17/04	SW 846 9253	
% Solids	**91.0**		%	1	EH41301	08/12/04	08/12/04	% calculation	
Wall Composite (4H12003-02) Soil									
Chloride	**213**	20.0	mg/kg Wet	2	EH41709	08/12/04	08/17/04	SW 846 9253	
% Solids	**95.0**		%	1	EH41301	08/12/04	08/12/04	% calculation	
Backfill Composite (4H12003-03) Soil									
Chloride	**106**	20.0	mg/kg Wet	2	EH41709	08/12/04	08/17/04	SW 846 9253	
% Solids	**96.0**		%	1	EH41301	08/12/04	08/12/04	% calculation	

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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 EH41207 - Solvent Extraction (GC)										
Blank (EH41207-BLK1)				Prepared & Analyzed: 08/12/04						
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	*43.9*		*mg/kg*	*50.0*		*87.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.5*		*"*	*50.0*		*89.0*	*70-130*			
Blank (EH41207-BLK2)				Prepared & Analyzed: 08/12/04						
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	*43.3*		*mg/kg*	*50.0*		*86.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.7*		*"*	*50.0*		*89.4*	*70-130*			
LCS (EH41207-BS1)				Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	440	10.0	mg/kg wet	500		88.0	75-125			
Diesel Range Organics >C12-C35	484	10.0	"	500		96.8	75-125			
Total Hydrocarbon C6-C35	924	10.0	"	1000		92.4	75-125			
Surrogate: 1-Chlorooctane	*50.4*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.4*		*"*	*50.0*		*86.8*	*70-130*			
LCS (EH41207-BS2)				Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	414	10.0	mg/kg wet	500		82.8	75-125			
Diesel Range Organics >C12-C35	410	10.0	"	500		82.0	75-125			
Total Hydrocarbon C6-C35	824	10.0	"	1000		82.4	75-125			
Surrogate: 1-Chlorooctane	*36.3*		*mg/kg*	*50.0*		*72.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.4*		*"*	*50.0*		*78.8*	*70-130*			
Calibration Check (EH41207-CCV1)				Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	442		mg/kg	500		88.4	80-120			
Diesel Range Organics >C12-C35	496		"	500		99.2	80-120			
Total Hydrocarbon C6-C35	938		"	1000		93.8	80-120			
Surrogate: 1-Chlorooctane	*49.5*		*"*	*50.0*		*99.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.4*		*"*	*50.0*		*80.8*	*70-130*			

Rice Operating Co.	Project: Hendrix Britt EOL	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	08/17/04 16:01

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 EH41207 - Solvent Extraction (GC)										
Calibration Check (EH41207-CCV2)				Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	465		mg/kg	500		93.0	80-120			
Diesel Range Organics >C12-C35	513		"	500		103	80-120			
Total Hydrocarbon C6-C35	978		"	1000		97.8	80-120			
Surrogate: 1-Chlorooctane	*51.9*		*"*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.5*		*"*	*50.0*		*89.0*	*70-130*			
Matrix Spike (EH41207-MS1)		**Source: 4H12002-04**		Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	518	10.0	mg/kg dry	526	ND	98.5	75-125			
Diesel Range Organics >C12-C35	684	10.0	"	526	65.9	118	75-125			
Total Hydrocarbon C6-C35	1200	10.0	"	1050	65.9	108	75-125			
Surrogate: 1-Chlorooctane	*56.9*		*mg/kg*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.2*		*"*	*50.0*		*118*	*70-130*			
Matrix Spike (EH41207-MS2)		**Source: 4H12008-07**		Prepared: 08/12/04 Analyzed: 08/13/04						
Gasoline Range Organics C6-C12	587	10.0	mg/kg dry	575	ND	102	75-125			
Diesel Range Organics >C12-C35	643	10.0	"	575	ND	112	75-125			
Total Hydrocarbon C6-C35	1230	10.0	"	1150	ND	107	75-125			
Surrogate: 1-Chlorooctane	*56.8*		*mg/kg*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.7*		*"*	*50.0*		*103*	*70-130*			
Matrix Spike Dup (EH41207-MSD1)		**Source: 4H12002-04**		Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	541	10.0	mg/kg dry	526	ND	103	75-125	4.34	20	
Diesel Range Organics >C12-C35	667	10.0	"	526	65.9	114	75-125	2.52	20	
Total Hydrocarbon C6-C35	1210	10.0	"	1050	65.9	109	75-125	0.830	20	
Surrogate: 1-Chlorooctane	*61.2*		*mg/kg*	*50.0*		*122*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.9*		*"*	*50.0*		*116*	*70-130*			
Matrix Spike Dup (EH41207-MSD2)		**Source: 4H12008-07**		Prepared: 08/12/04 Analyzed: 08/13/04						
Gasoline Range Organics C6-C12	583	10.0	mg/kg dry	575	ND	101	75-125	0.684	20	
Diesel Range Organics >C12-C35	630	10.0	"	575	ND	110	75-125	2.04	20	
Total Hydrocarbon C6-C35	1210	10.0	"	1150	ND	105	75-125	1.64	20	
Surrogate: 1-Chlorooctane	*56.3*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.7*		*"*	*50.0*		*107*	*70-130*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: Hendrix Britt EOL	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	08/17/04 16:01

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
Batch EH41301 - General Preparation (Prep)										
Blank (EH41301-BLK1)				Prepared & Analyzed: 08/12/04						
% Solids	100		%							
Duplicate (EH41301-DUP1)		**Source: 4H12001-01**		Prepared & Analyzed: 08/12/04						
% Solids	87.0		%		86.0			1.16	20	
Batch EH41709 - Water Extraction										
Blank (EH41709-BLK1)				Prepared & Analyzed: 08/17/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EH41709-MS1)		**Source: 4H12001-04**		Prepared & Analyzed: 08/17/04						
Chloride	564	20.0	mg/kg Wet	500	74.4	97.9	80-120			
Matrix Spike Dup (EH41709-MSD1)		**Source: 4H12001-04**		Prepared & Analyzed: 08/17/04						
Chloride	574	20.0	mg/kg Wet	500	74.4	99.9	80-120	1.76	20	
Reference (EH41709-SRM1)				Prepared & Analyzed: 08/17/04						
Chloride	4840		mg/kg	5000		96.8	80-120			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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: 8-18-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

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: Roy Rascon
Company Name: RICE Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: (505) 393-9174 Fax No: (505) 397-1471
Sampler Signature: R Elam

Project Name: ~~EME~~ Hendrix Britt EOL
Project #:
Project Loc: ~~Hendrix Britt EOL~~ EME
PO #:

4H 12003

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH CL SAR/EC	TOTAL: 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
-01	12' Bottom Composit	8-9-04	11:30	1	✓									✓		✓			✓						
-02	Wall Composit	8-9-04	11:30	1	✓									✓		✓			✓						
-03	Backfill Composit	8-9-04	11:30	1	✓									✓		✓			✓						

4oz glass

Special Instructions:
8015 Chlorides

Relinquished by:	Date	Time	Received by:	Date	Time
R Elam	8-9-04	4:40	C Hargrove	8/11/04	18:00
C Hargrove	8/12/04	7:45	Received by ELOT: Joanne McMurrey	8-12-04	0745

Sample Containers Intact? Y N
Temperature Upon Receipt: 1.5° C
Laboratory Comments:

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

Client: Rice Operating

Date/Time: 08-12-04 @ 0830

Order #: 4H12003

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	1.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

RICE OPERATING COMPANY

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
SERIAL NO: ~~104490~~ 104550
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE 100 PPM
AIR BALANCE
LOT NO: 03-2475
FILL DATE: 4-19-04
EXP. DATE: 10-19-04
ACCURACY: ± 2%
METER READING
ACCURACY: 100.0

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	Hendrix Brit EOL	K	18	20-S	37-E

SAMPLE	PID RESULT	SAMPLE	PID RESULT
North Wall 5'	52.7		
South Wall 5'	125		
East Wall 5'	116		
West Wall 5'	5.3		
4-Wall Composite	72.8		
Bottom " 12'	61.6		
Backfill	19.1		

All composite samples

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

R. Elam
Signature

8-9-04
Date