

1R - 427 - 154

REPORTS

DATE:

10-21-04

1R0427-154

FINAL REPORT

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	P-24	P	24	20S	36E	Lea	no box-junction eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Dale Cooper Family Trust OTHER _____

Depth to Groundwater 36 or 117 feet NMOCD SITE ASSESSMENT RANKING SCORE: ? *

Date Started 8/9/2004 Date Completed 8/19/2004 OCD Witness No

Soil Excavated 222 cubic yards Excavation Length 25 Width 20 Depth 12 feet

Soil Disposed 36 cubic yards Offsite Facility South Monument Location Monument, NM

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

Procure 5-point composite sample of bottom and 4-point composite sample of excavation 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	Ethylbenzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.127	0.437	0.533	2.418	319	1010	<20
BOTTOM FIELD COMP.	0.189	0.587	0.758	2.797	319	819	106
BOTTOM LAB COMP.	0.123	0.541	0.946	3.195	XXX	XXX	XXX
REMED. BACKFILL	0.0352	0.171	0.291	1.056	250	732	<20

General Description of Remedial Action: This junction box was located to the south of an abandoned production battery. Although no facilities remain at the site, a large barren surface is visually-impacted by hydrocarbon. The junction was eliminated and the existing pipeline was slipped with a new poly pipeline. The old junction box site was delineated using a backhoe while chloride field tests and PID screenings were conducted at regular intervals. Throughout the 25 x 20 x 12-ft-deep excavation, chloride field test concentrations were very low and similar to background levels. TPH impact, however, was evident within the excavation and PID concentrations were elevated. The excavated soils were blended and backfilled into the hole. 36 yds³ of this soil was disposed of at a permitted facility. 36 yds³ of clean, imported soils were backfilled on top up to the surface, covering approximately the top 2 ft (see diagram). Remaining chloride is not threatening to groundwater, remaining TPH will naturally attenuate.

LOCATION	DEPTH (ft)	ppm
vertical trench at junction	6	84
	7	114
	8	85
	9	145
	10	143
	11	116
15 ft North of junction	12	87
	6	87
	8	113
	10	87
4-wall comp.	n/a	84
bottom comp.	12	85
remed. backfill	n/a	115
background	0	60

* Depth to groundwater here is ambiguous. USGS maps indicate that the site is located near a hydrogeologic boundary north of which groundwater is around 36 ft but is 117 ft to the south.

enclosures: chloride graph, photos, lab results, disposal manifests, groundwater map, BTEX results table, excavation cross-section

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

SITE SUPERVISOR Joe Gatts SIGNATURE *Joe Gatts* COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE *Kristin Farris Pope*

DATE 10/21/2004 TITLE Project Scientist

EME jct. P-24



undisturbed junction box looking north 1/7/2004

unit 'P', Sec. 24, T20S, R36E



vertical delineation at box site 8/9/2004



north excavation wall with spoils (looking north) 8/11/2004



backfilling excavation

8/19/2004



ID plate marking former junction (battery site in background)

8/25/2004



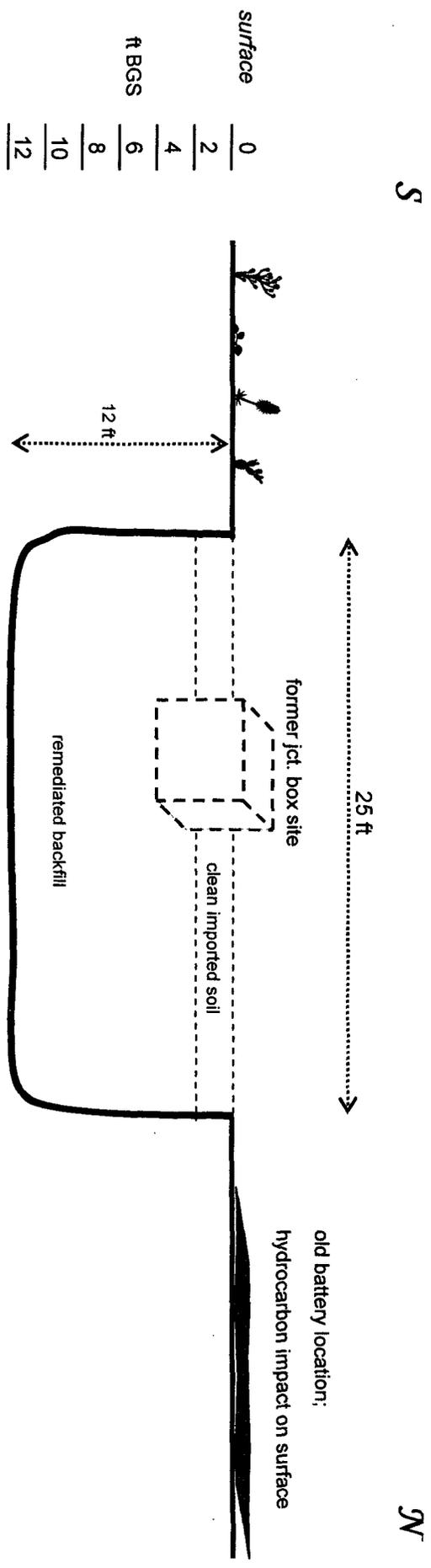
backfilled site with battery site in background

9/22/2004

EMME jct. P-24

25 x 20 x 12 ft

Excavation Cross-Section



2004 BTEX Study

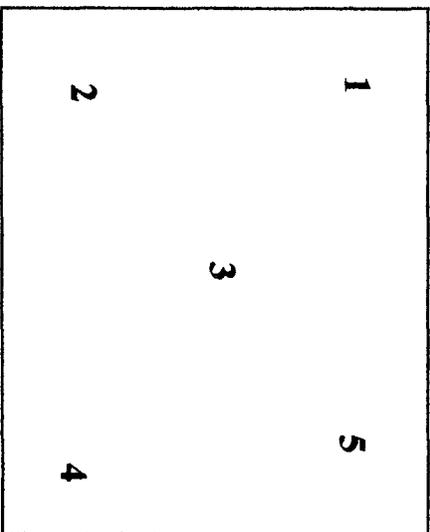
Revised Junction Box Upgrade Plan (2003)

System: EME
 Site: jct. P-24

Date: 8/12/2004
 Sampler: Joe Gatts (RICE Operating)

Laboratory: Environmental Lab
 of Texas

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
bottom composite at 12 ft BGS	1	31.0	0.189	0.587	0.758	2.797
	2	1027.0				
	3	737.0				
	4	853.0				
	5	1206.0				
LAB COMPOSITE (mg/kg)			0.123	0.541	0.946	3.195



All composite sample components are collected in this pattern.

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)

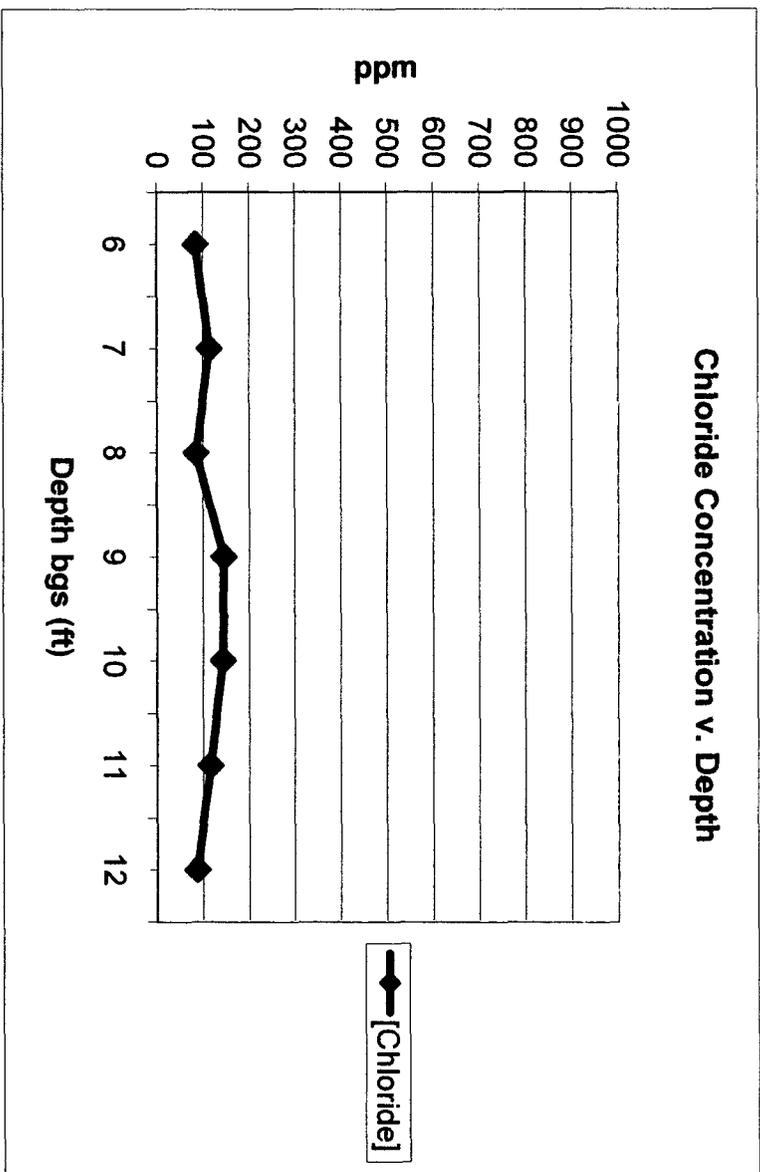
EMF Jct. P-24

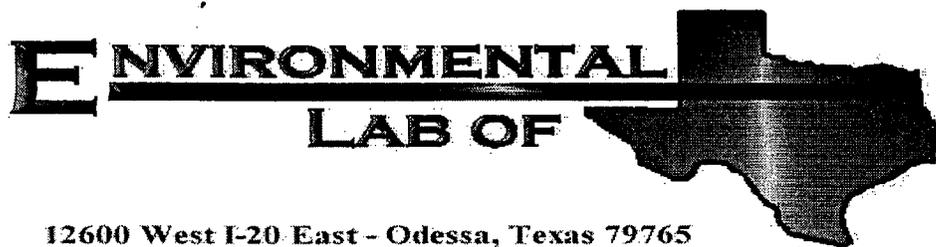
T20S, R36E

Vertical Delineation at Source

Depth bgs (ft)	[Cl ⁻] ppm
6	84
7	114
8	85
9	145
10	143
11	116
12	87

Depth to groundwater here is ambiguous. USGS maps indicate that the site is located on a hydrogeologic boundary line to the north of which groundwater depth is ~36 ft and 117 ft to the south.





12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: EME P-24

Project Number: None Given

Location: P-24

Lab Order Number: 4H18001

Report Date: 08/24/04

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

Project: EME P-24
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/24/04 10:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Comp. at 12' bgs	4H18001-01	Soil	08/12/04 14:15	08/17/04 19:00
4 Wall Comp.	4H18001-02	Soil	08/12/04 14:00	08/17/04 19:00
Remed. Backfill	4H18001-03	Soil	08/12/04 14:15	08/17/04 19:00
Lab Comp. Bottom 1 - 5	4H18001-04	Soil	08/12/04 14:15	08/17/04 19:00

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

Project: EME P-24
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/24/04 10:54

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Comp. at 12' bgs (4H18001-01) Soil									
Benzene	0.198	0.100	mg/kg dry	100	EH42303	08/20/04	08/20/04	EPA 8021B	
Toluene	0.587	0.100	"	"	"	"	"	"	
Ethylbenzene	0.758	0.100	"	"	"	"	"	"	
Xylene (p/m)	2.43	0.100	"	"	"	"	"	"	
Xylene (o)	0.367	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.4 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	319	10.0	mg/kg dry	1	EH41713	08/18/04	08/18/04	EPA 8015M	
Diesel Range Organics >C12-C35	819	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1140	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		102 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		111 %	70-130		"	"	"	"	
4 Wall Comp. (4H18001-02) Soil									
Benzene	0.127	0.0500	mg/kg dry	50	EH42303	08/20/04	08/20/04	EPA 8021B	
Toluene	0.437	0.0500	"	"	"	"	"	"	
Ethylbenzene	0.533	0.0500	"	"	"	"	"	"	
Xylene (p/m)	2.13	0.0500	"	"	"	"	"	"	
Xylene (o)	0.288	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		125 %	80-120		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	319	10.0	mg/kg dry	1	EH41713	08/18/04	08/18/04	EPA 8015M	
Diesel Range Organics >C12-C35	1010	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1330	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		91.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		94.4 %	70-130		"	"	"	"	
Remed. Backfill (4H18001-03) Soil									
Benzene	0.0352	0.0250	mg/kg dry	25	EH42303	08/20/04	08/20/04	EPA 8021B	
Toluene	0.171	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.291	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.891	0.0250	"	"	"	"	"	"	
Xylene (o)	0.165	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	250	10.0	mg/kg dry	1	EH41713	08/18/04	08/18/04	EPA 8015M	
Diesel Range Organics >C12-C35	732	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	982	10.0	"	"	"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 10

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

Project: EME P-24
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/24/04 10:54

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Remed. Backfill (4H18001-03) Soil									
<i>Surrogate: 1-Chlorooctane</i>		101 %	70-130		EH41713	08/18/04	08/18/04	EPA 8015M	
<i>Surrogate: 1-Chlorooctadecane</i>		106 %	70-130		"	"	"	"	
Lab Comp. Bottom 1 - 5 (4H18001-04) Soil									
Benzene	0.123	0.0500	mg/kg dry	50	EH42303	08/20/04	08/20/04	EPA 8021B	
Toluene	0.541	0.0500	"	"	"	"	"	"	
Ethylbenzene	0.946	0.0500	"	"	"	"	"	"	
Xylene (p/m)	2.81	0.0500	"	"	"	"	"	"	
Xylene (o)	0.385	0.0500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		120 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		111 %	80-120		"	"	"	"	

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

Project: EME P-24
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/24/04 10:54

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottom Comp. at 12' bgs (4H18001-01) Soil									
Chloride	106	20.0	mg/kg Wet	2	EH42308	08/18/04	08/23/04	SW 846 9253	
% Solids	88.0		%	1	EH41901	08/18/04	08/18/04	% calculation	
4 Wall Comp. (4H18001-02) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EH42308	08/18/04	08/23/04	SW 846 9253	
% Solids	95.0		%	1	EH41901	08/18/04	08/18/04	% calculation	
Remed. Backfill (4H18001-03) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EH42308	08/18/04	08/23/04	SW 846 9253	
% Solids	92.0		%	1	EH41901	08/18/04	08/18/04	% calculation	
Lab Comp. Bottom 1 - 5 (4H18001-04) Soil									
% Solids	88.0		%	1	EH41901	08/18/04	08/18/04	% calculation	

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

Project: EME P-24
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/24/04 10:54

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
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Batch EH41713 - Solvent Extraction (GC)

Blank (EH41713-BLK1)

Prepared: 08/17/04 Analyzed: 08/18/04

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	39.6		mg/kg	50.0		79.2	70-130			
Surrogate: 1-Chlorooctadecane	37.0		"	50.0		74.0	70-130			

Blank (EH41713-BLK2)

Prepared: 08/17/04 Analyzed: 08/18/04

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	35.1		mg/kg	50.0		70.2	70-130			
Surrogate: 1-Chlorooctadecane	37.7		"	50.0		75.4	70-130			

LCS (EH41713-BS1)

Prepared: 08/17/04 Analyzed: 08/19/04

Gasoline Range Organics C6-C12	453	10.0	mg/kg wet	500		90.6	75-125			
Diesel Range Organics >C12-C35	466	10.0	"	500		93.2	75-125			
Total Hydrocarbon C6-C35	919	10.0	"	1000		91.9	75-125			
Surrogate: 1-Chlorooctane	54.1		mg/kg	50.0		108	70-130			
Surrogate: 1-Chlorooctadecane	44.5		"	50.0		89.0	70-130			

LCS (EH41713-BS2)

Prepared: 08/17/04 Analyzed: 08/19/04

Gasoline Range Organics C6-C12	424	10.0	mg/kg wet	500		84.8	75-125			
Diesel Range Organics >C12-C35	520	10.0	"	500		104	75-125			
Total Hydrocarbon C6-C35	944	10.0	"	1000		94.4	75-125			
Surrogate: 1-Chlorooctane	53.5		mg/kg	50.0		107	70-130			
Surrogate: 1-Chlorooctadecane	50.8		"	50.0		102	70-130			

Calibration Check (EH41713-CCV1)

Prepared: 08/17/04 Analyzed: 08/18/04

Gasoline Range Organics C6-C12	501		mg/kg	500		100	80-120			
Diesel Range Organics >C12-C35	546		"	500		109	80-120			
Total Hydrocarbon C6-C35	1050		"	1000		105	80-120			
Surrogate: 1-Chlorooctane	59.5		"	50.0		119	70-130			
Surrogate: 1-Chlorooctadecane	57.1		"	50.0		114	70-130			

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

Project: EME P-24
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/24/04 10:54

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
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Batch EH41713 - Solvent Extraction (GC)

Calibration Check (EH41713-CCV2)

Prepared: 08/17/04 Analyzed: 08/18/04

Gasoline Range Organics C6-C12	459		mg/kg	500		91.8	80-120			
Diesel Range Organics >C12-C35	538		"	500		108	80-120			
Total Hydrocarbon C6-C35	997		"	1000		99.7	80-120			
Surrogate: 1-Chlorooctane	59.7		"	50.0		119	70-130			
Surrogate: 1-Chlorooctadecane	55.4		"	50.0		111	70-130			

Matrix Spike (EH41713-MS1)

Source: 4H17008-01

Prepared: 08/17/04 Analyzed: 08/18/04

Gasoline Range Organics C6-C12	474	10.0	mg/kg dry	500	22.5	90.3	75-125			
Diesel Range Organics >C12-C35	654	10.0	"	500	147	101	75-125			
Total Hydrocarbon C6-C35	1130	10.0	"	1000	170	96.0	75-125			
Surrogate: 1-Chlorooctane	55.8		mg/kg	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	54.8		"	50.0		110	70-130			

Matrix Spike (EH41713-MS2)

Source: 4H18005-01

Prepared: 08/18/04 Analyzed: 08/19/04

Gasoline Range Organics C6-C12	524	10.0	mg/kg dry	505	ND	104	75-125			
Diesel Range Organics >C12-C35	565	10.0	"	505	ND	112	75-125			
Total Hydrocarbon C6-C35	1090	10.0	"	1010	ND	108	75-125			
Surrogate: 1-Chlorooctane	60.7		mg/kg	50.0		121	70-130			
Surrogate: 1-Chlorooctadecane	47.9		"	50.0		95.8	70-130			

Matrix Spike Dup (EH41713-MSD1)

Source: 4H17008-01

Prepared: 08/17/04 Analyzed: 08/18/04

Gasoline Range Organics C6-C12	475	10.0	mg/kg dry	500	22.5	90.5	75-125	0.211	20	
Diesel Range Organics >C12-C35	665	10.0	"	500	147	104	75-125	1.67	20	
Total Hydrocarbon C6-C35	1140	10.0	"	1000	170	97.0	75-125	0.881	20	
Surrogate: 1-Chlorooctane	55.3		mg/kg	50.0		111	70-130			
Surrogate: 1-Chlorooctadecane	55.2		"	50.0		110	70-130			

Matrix Spike Dup (EH41713-MSD2)

Source: 4H18005-01

Prepared: 08/18/04 Analyzed: 08/19/04

Gasoline Range Organics C6-C12	522	10.0	mg/kg dry	505	ND	103	75-125	0.382	20	
Diesel Range Organics >C12-C35	562	10.0	"	505	ND	111	75-125	0.532	20	
Total Hydrocarbon C6-C35	1080	10.0	"	1010	ND	107	75-125	0.922	20	
Surrogate: 1-Chlorooctane	61.1		mg/kg	50.0		122	70-130			
Surrogate: 1-Chlorooctadecane	51.5		"	50.0		103	70-130			

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

Project: EME P-24
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/24/04 10:54

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
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Batch EH42303 - EPA 5030C (GC)

Blank (EH42303-BLK1)

Prepared & Analyzed: 08/20/04

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	86.1		ug/kg	100		86.1	80-120			
Surrogate: 4-Bromofluorobenzene	91.1		"	100		91.1	80-120			

LCS (EH42303-BS1)

Prepared & Analyzed: 08/20/04

Benzene	88.5		ug/kg	100		88.5	80-120			
Toluene	87.1		"	100		87.1	80-120			
Ethylbenzene	87.5		"	100		87.5	80-120			
Xylene (p/m)	191		"	200		95.5	80-120			
Xylene (o)	96.2		"	100		96.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	88.1		"	100		88.1	80-120			
Surrogate: 4-Bromofluorobenzene	89.4		"	100		89.4	80-120			

Calibration Check (EH42303-CCV1)

Prepared: 08/20/04 Analyzed: 08/23/04

Benzene	89.2		ug/kg	100		89.2	80-120			
Toluene	86.5		"	100		86.5	80-120			
Ethylbenzene	82.2		"	100		82.2	80-120			
Xylene (p/m)	182		"	200		91.0	80-120			
Xylene (o)	91.3		"	100		91.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	85.9		"	100		85.9	80-120			
Surrogate: 4-Bromofluorobenzene	89.5		"	100		89.5	80-120			

Matrix Spike (EH42303-MS1)

Source: 4H19007-01

Prepared: 08/20/04 Analyzed: 08/23/04

Benzene	91.6		ug/kg	100	ND	91.6	80-120			
Toluene	90.5		"	100	ND	90.5	80-120			
Ethylbenzene	89.5		"	100	ND	89.5	80-120			
Xylene (p/m)	194		"	200	ND	97.0	80-120			
Xylene (o)	95.9		"	100	ND	95.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	88.5		"	100		88.5	80-120			
Surrogate: 4-Bromofluorobenzene	82.7		"	100		82.7	80-120			

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

Project: EME P-24
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/24/04 10:54

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
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Batch EH42303 - EPA 5030C (GC)

Matrix Spike Dup (EH42303-MSD1)

Source: 4H19007-01

Prepared: 08/20/04

Analyzed: 08/23/04

Benzene	92.3		ug/kg	100	ND	92.3	80-120	0.761	20	
Toluene	91.2		"	100	ND	91.2	80-120	0.770	20	
Ethylbenzene	91.4		"	100	ND	91.4	80-120	2.10	20	
Xylene (p/m)	198		"	200	ND	99.0	80-120	2.04	20	
Xylene (o)	99.2		"	100	ND	99.2	80-120	3.38	20	
Surrogate: a,a,a-Trifluorotoluene	87.0		"	100		87.0	80-120			
Surrogate: 4-Bromofluorobenzene	87.7		"	100		87.7	80-120			

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 EH41901 - General Preparation (Prep)										
Blank (EH41901-BLK1)					Prepared & Analyzed: 08/18/04					
% Solids	100		%							
Duplicate (EH41901-DUP1)					Source: 4H18001-01 Prepared & Analyzed: 08/18/04					
% Solids	88.0		%		88.0			0.00	20	
Batch EH42308 - Water Extraction										
Blank (EH42308-BLK1)					Prepared: 08/18/04 Analyzed: 08/23/04					
Chloride	ND		20.0 mg/kg Wet							
Matrix Spike (EH42308-MS1)					Source: 4H18002-01 Prepared: 08/18/04 Analyzed: 08/23/04					
Chloride	1170		20.0 mg/kg Wet	500	702	93.6	80-120			
Matrix Spike Dup (EH42308-MSD1)					Source: 4H18002-01 Prepared: 08/18/04 Analyzed: 08/23/04					
Chloride	1160		20.0 mg/kg Wet	500	702	91.6	80-120	0.858	20	
Reference (EH42308-SRM1)					Prepared: 08/18/04 Analyzed: 08/23/04					
Chloride	4940		mg/kg	5000		98.8	80-120			

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

Project: EME P-24
Project Number: None Given
Project Manager: Roy Rascon

Fax: (505) 397-1471

Reported:
08/24/04 10:54

Notes and Definitions

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

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:

8-24-04

Raland K. Tuttle, QA Officer

James L. Hawkins, Chemist/Geologist

Celey D. Keene, Lab Director, Org. Tech Director

Sara Molina, Chemist

Jeanne Mc Murrey, Inorg. Tech Director

Sandra Biezugbe, 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: Price Operating Co.

Date/Time: 08-18-04 @ 0830

Order #: 4 H 18001

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	No	0.5	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes	No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No		
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No		
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No		
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No		
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
Regarding: _____

Corrective Action Taken:

↓ load clean out

Manifest # 10722

SOUTH MONUMENT SURFACE WASTE FACILITY
LAND FARM - DIRT SALES

(505) 392-1050 WORK (505) 390-3665 CELL (505) 391-8391 HOME

JOE GIATTS

Rice Operating EME R-24 U/A Sec 24 T-205 R-36E
LEASE OPERATOR ORIGINATING LOCATION

TRANSPORTER NAME & ADDRESS

RWF

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 YDS.

FACILITY CONTACT:

Griffin Dalton
SIGNATURE OF CONTACT

8-12-04
DATE

CELL NUMBER MATERIAL PLACED IN:

B-3

NAME OF TRANSPORTER (DRIVER):

Alan R. Keamer
SIGNATURE OF DRIVER

8-12-04
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
S25 T20S R36E N/2 NE/4

PERMIT #NM-01-0032
505-390-3665 CELL
505-391-8391 HOME

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt waste."

Griffin Dalton
FACILITY REPRESENTATIVE

8-12-04
DATE

1 load clean out

Manifest # 10723

**SOUTH MONUMENT SURFACE WASTE FACILITY
LANDFARM - DIRT SALES**

(505) 392-1050 WORK (505) 390-3665 CELL (505) 391-8391 HOME

JOE GIATTS

Rice Operating
LEASE OPERATOR

FME P-24 U110 Sec 24 T.20S R36E
ORIGINATING LOCATION

TRANSPORTER NAME & ADDRESS

RWT

DESCRIPTION OF WASTE

QUANTITY

Non-Hazardous Hydrocarbons

12 YDS.

FACILITY CONTACT:

Gregg Kaitm
SIGNATURE OF CONTACT

8-12-04
DATE

CELL NUMBER MATERIAL PLACED IN:

B-3

NAME OF TRANSPORTER (DRIVER):

Henry R. Kramer
SIGNATURE OF DRIVER

8-12-04
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
S25 T20S R36E N/2 NE/4

PERMIT #NM-01-0032
505-390-3665 CELL
505-391-8391 HOME

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt waste."

Gregg Kaitm
FACILITY REPRESENTATIVE

8-12-04
DATE

1 lead clean out

Manifest # 10724

**SOUTH MONUMENT SURFACE WASTE FACILITY
LANDFARM - DIRT SALES**

(505) 392-1050 WORK (505) 390-3665 CELL (505) 391-8391 HOME

JOE GATTS

Rice Operating

LEASE OPERATOR

FME R-24 W/P SEC 24 T-20S R-36E

ORIGINATING LOCATION

TRANSPORTER NAME & ADDRESS

RWI

DESCRIPTION OF WASTE

Non-Hazardous Hydrocarbons

QUANTITY

12 YDS.

FACILITY CONTACT:

Griffin Dalton
SIGNATURE OF CONTACT

8-12-04
DATE

CELL NUMBER MATERIAL PLACED IN:

B-3

NAME OF TRANSPORTER (DRIVER):

Thom R. Keamer
SIGNATURE OF DRIVER

8-12-04
DATE

DISPOSAL SITE

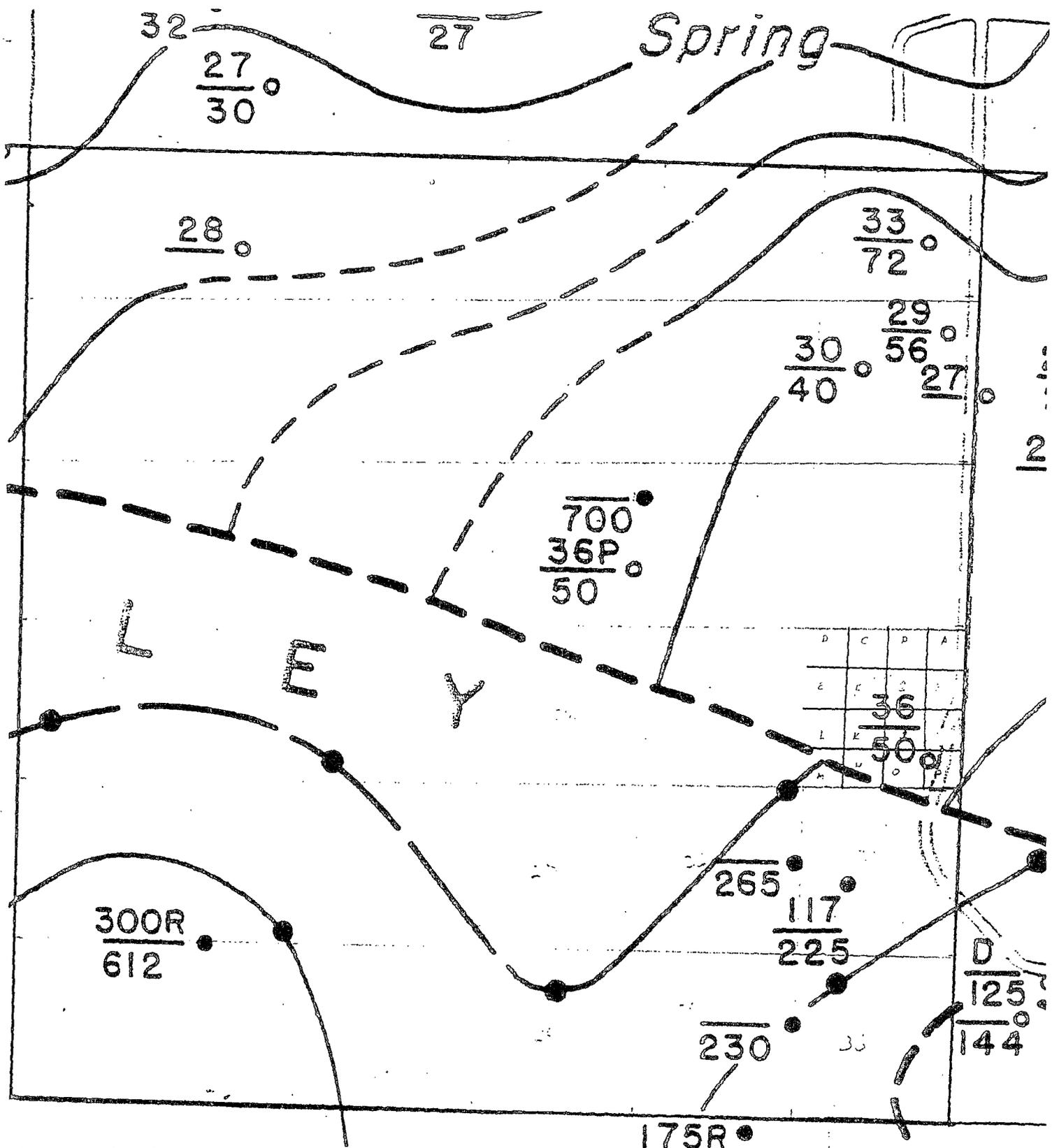
South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
S25 T20S R36E N/2 NE/4

PERMIT #NM-01-0032
505-390-3665 CELL
505-391-8391 HOME

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt waste."

Griffin Dalton
FACILITY REPRESENTATIVE

8-12-04
DATE



Enlarged from Plate 2 "Groundwater Map of Southern
Map Lea County, New Mexico"

from USGS book "Geology + Groundwater Conditions in Southern
Lea County, New Mexico"

by Nicholson + Clebsch 1961