AP - 66

ANNUAL MONITORING REPORT

YEAR(S):
2007

TRIDENT ENVIRONMENTAL

CERTIFIED MAIL
RETURN RECIEPT NO. 7099 3400 0017 1737 2534

March 20, 2008

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87504

RECEIVED
2008 MAR 28 PM 1 50

RE: **2007 ANNUAL GROUNDWATER MONITORING REPORT**
EME JCT. N-5 SITE (AP-66)
T20S, R37E, SECTION 5, UNIT LETTER N
LEA COUNTY, NEW MEXICO

Mr. Hansen:

On behalf of Rice Operating Company (ROC), Trident Environmental takes this opportunity to submit the 2007 Annual Groundwater Monitoring Report for the EME Jct. N-5 Site located in the Eunice-Monument-Eumont (EME) Salt Water Disposal (SWD) System.

ROC is the service provider (agent) for the EME SWD System and has no ownership of any portion of pipeline, well, or facility. The EME SWD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me at (432) 638-8740 or Kristin Pope at (505) 393-9174.

Sincerely,

Gilbert J. Van Deventer, PG, REM

cc: KFP, JSC, file

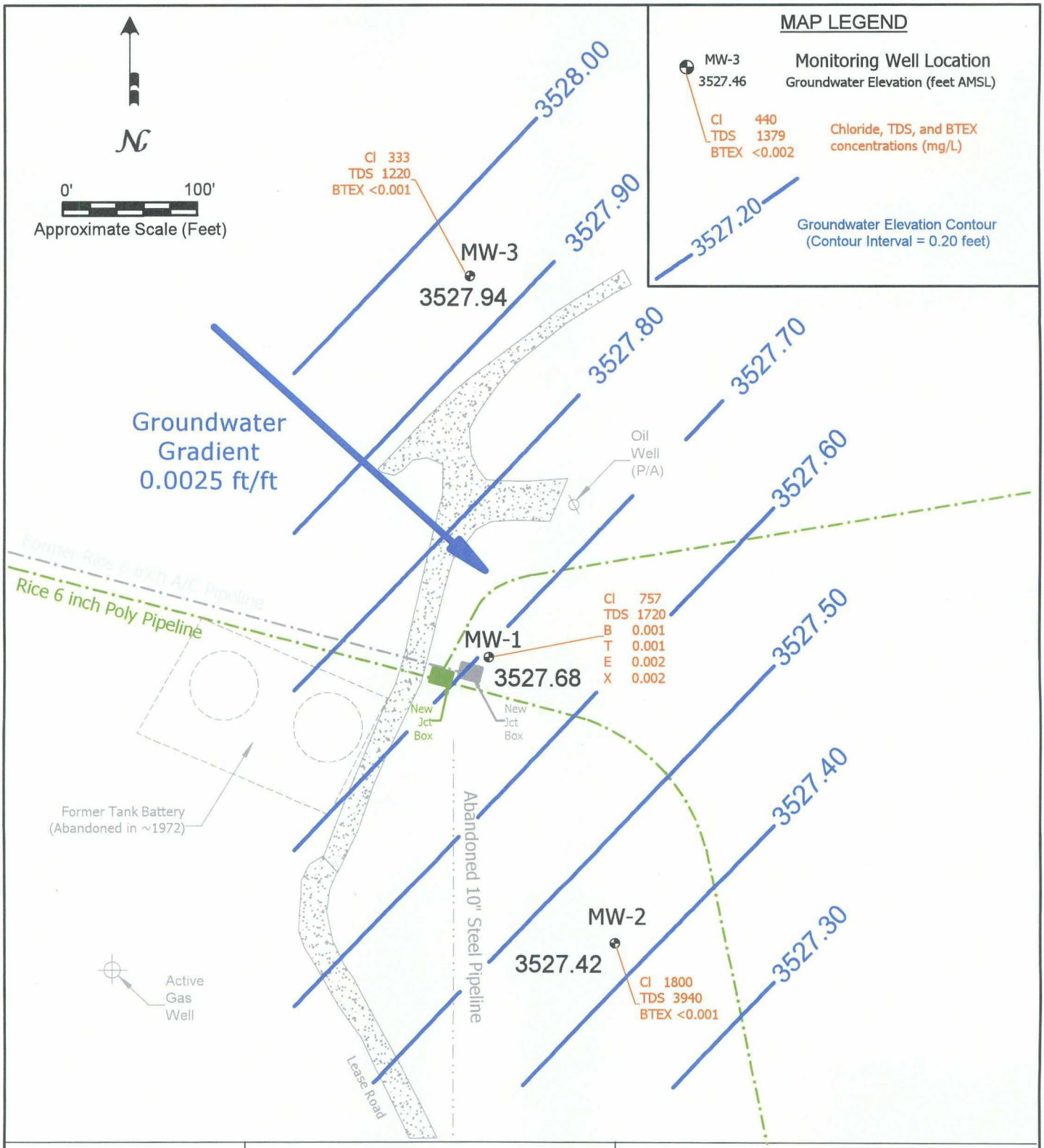
enclosures: table, graphs, maps, well sampling data forms, and laboratory analytical reports.

ATTACHMENT A

Site Maps

Graphs

Table



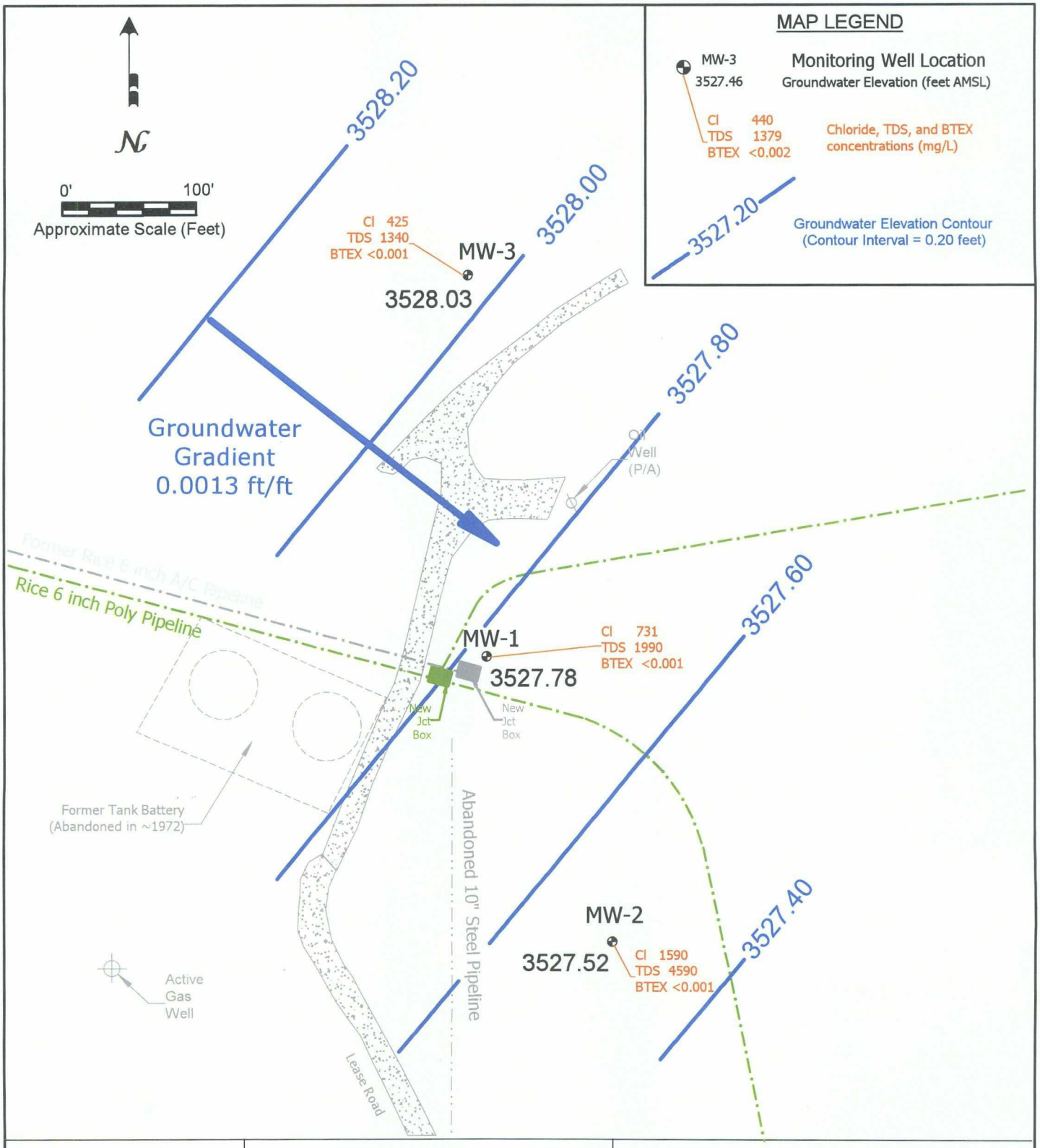
TRIDENT ENVIRONMENTAL

EME Jct. N-5 Site (AP-66)

T20S - R37E - Section 5- Unit N

RICE Operating Company

GROUNDWATER GRADIENT AND CHLORIDE/TDS/BTEX CONCENTRATION MAP
MARCH 6, 2007



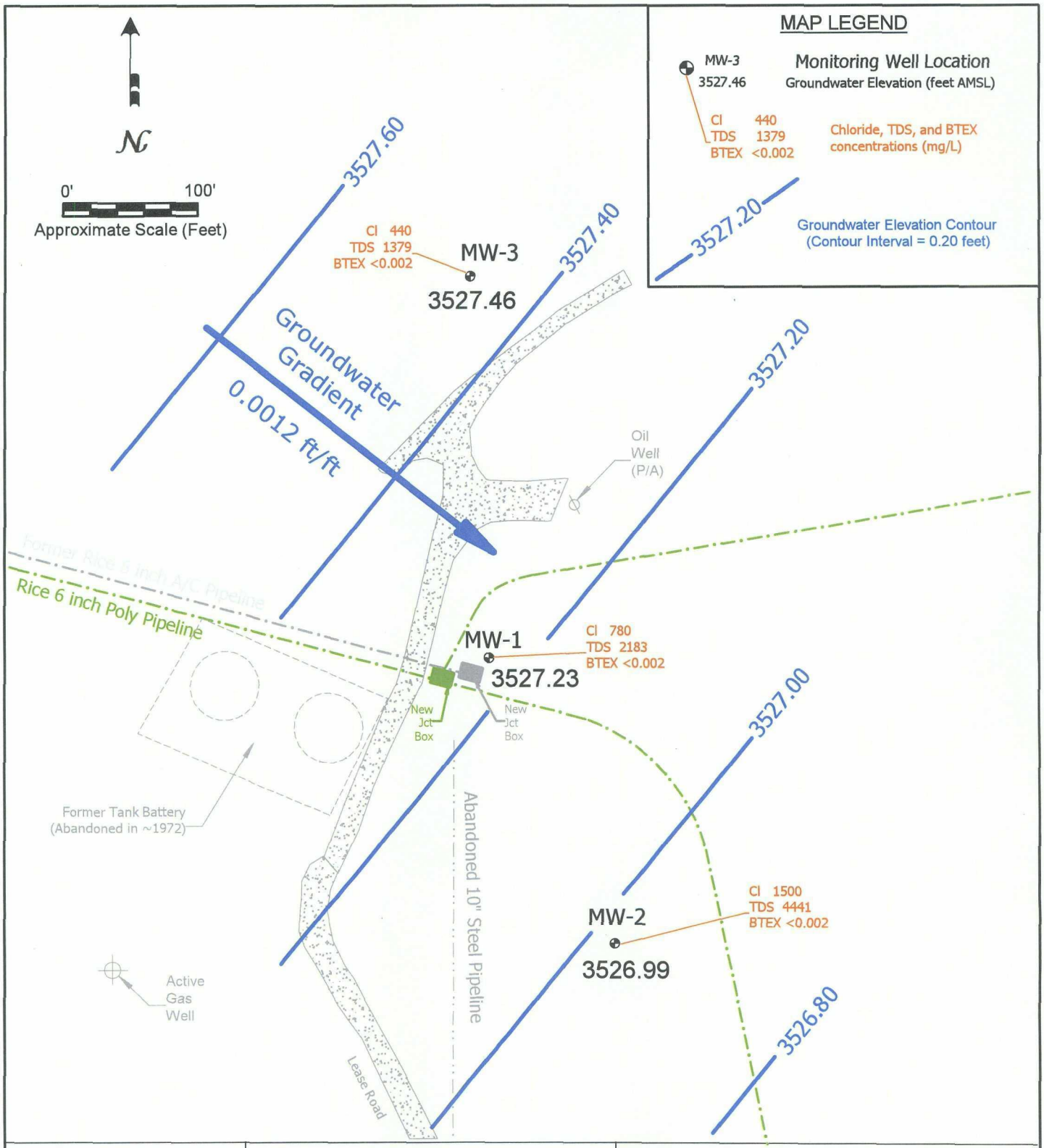
TRIDENT ENVIRONMENTAL

EME Jct. N-5 Site (AP-66)

T20S - R37E - Section 5- Unit N

RICE Operating Company

GROUNDWATER GRADIENT AND CHLORIDE/TDS/BTEX CONCENTRATION MAP
JUNE 7, 2007



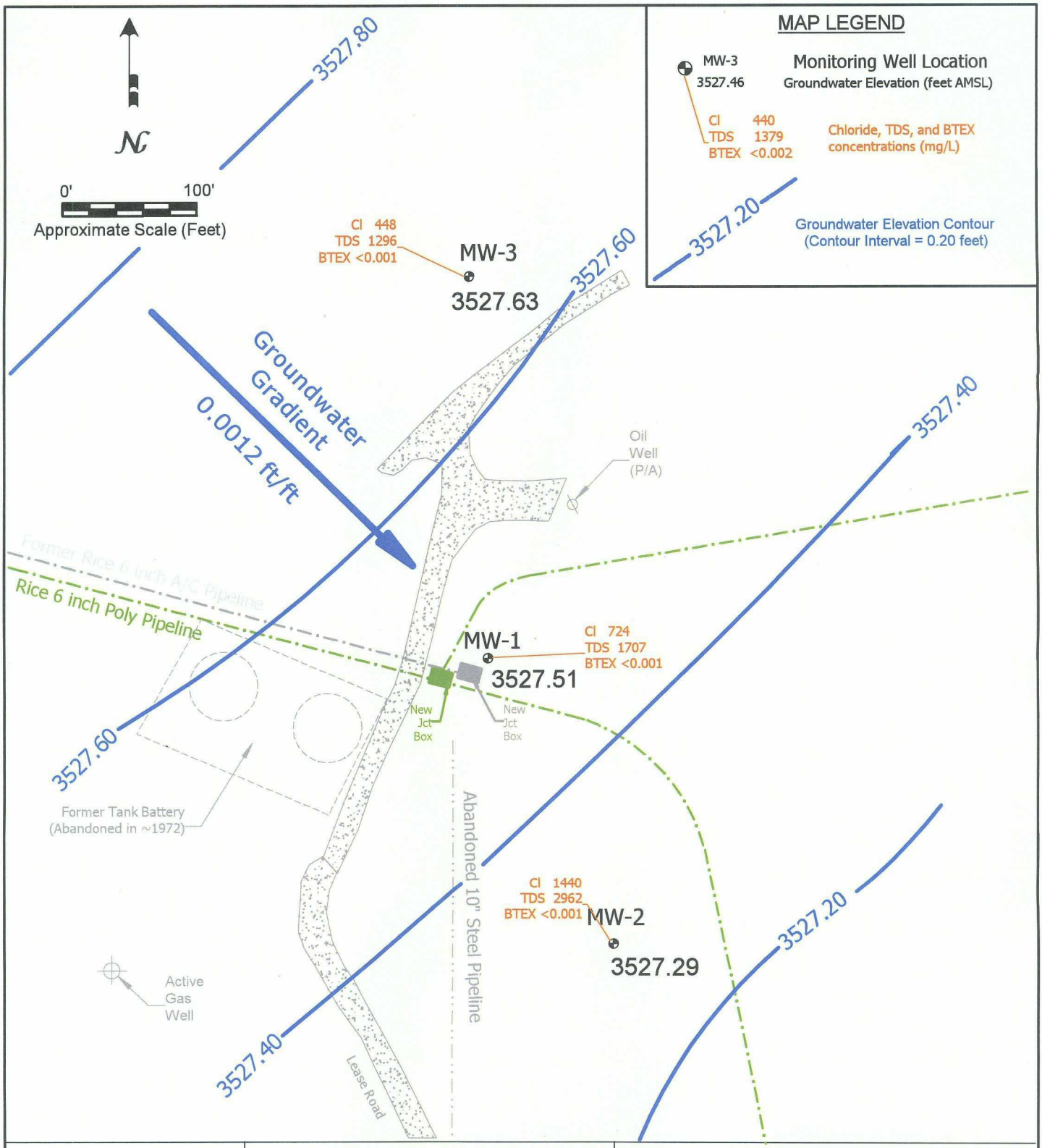
TRIDENT ENVIRONMENTAL

EME Jct. N-5 Site (AP-66)

T20S - R37E - Section 5- Unit N

RICE Operating Company

GROUNDWATER GRADIENT AND CHLORIDE/TDS/BTEX CONCENTRATION MAP
AUGUST 27, 2007



TRIDENT ENVIRONMENTAL

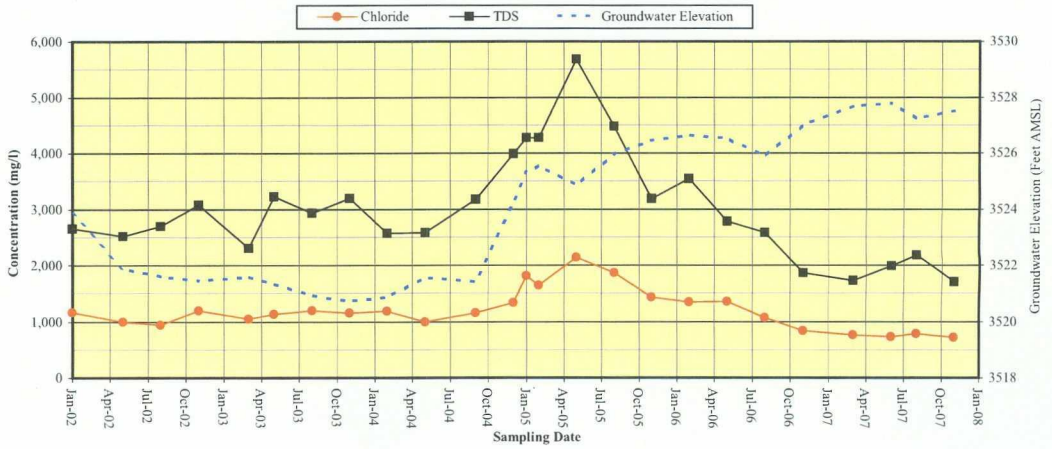
EME Jct. N-5 Site (AP-66)

T20S - R37E - Section 5- Unit N

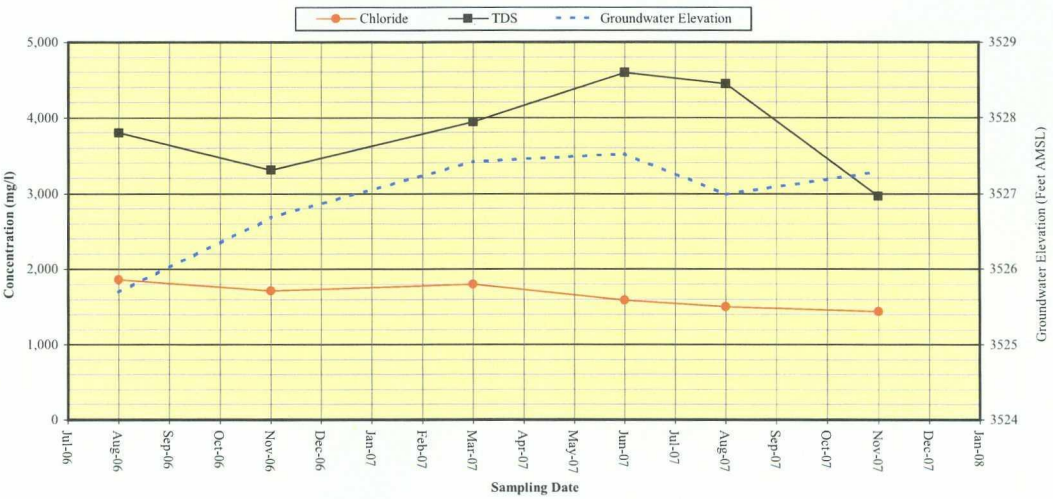
RICE Operating Company

GROUNDWATER GRADIENT AND CHLORIDE/TDS/BTEX CONCENTRATION MAP
NOVEMBER 9, 2007

MW-1
Chloride, TDS, and Groundwater Elevation Values Versus Time



MW-2
Chloride, TDS, and Groundwater Elevation Values Versus Time



MW-3
Chloride, TDS, and Groundwater Elevation Values Versus Time

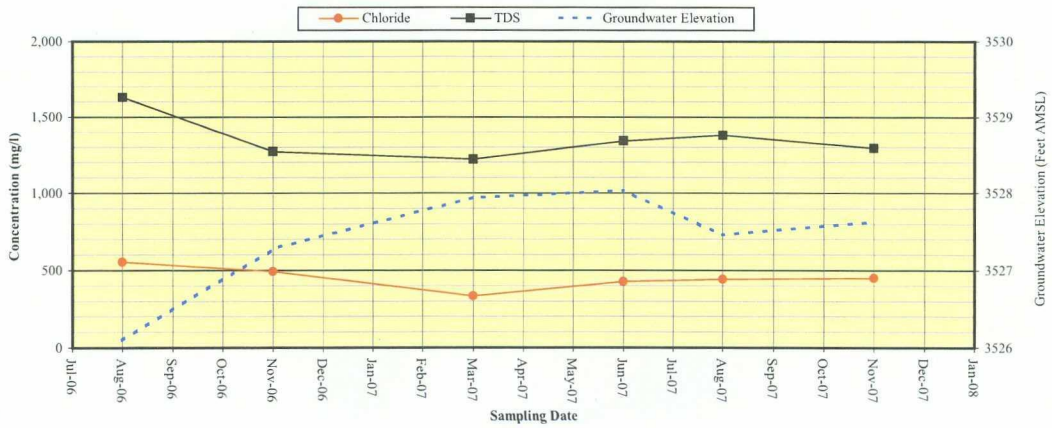


Table 1
Summary of Groundwater Sampling Results

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Water Table Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
MW-1	01/10/02	35.50	3523.85	**1,160**	**2,652**	<0.002	<0.002	<0.006	<0.006
	05/13/02	37.47	3521.88	**993**	**2,520**	<0.001	0.002	0.003	0.009
	08/12/02	37.75	3521.60	**939**	**2,700**	<0.001	<0.001	<0.001	0.001
	11/04/02	37.90	3521.45	**1,200**	**3,083**	<0.002	<0.002	<0.002	<0.006
	03/14/03	37.78	3521.57	**1,050**	**2,310**	<0.001	0.002	0.004	0.011
	05/29/03	38.00	3521.35	**1,130**	**3,230**	<0.001	0.001	0.004	0.01
	08/22/03	38.42	3520.93	**1,200**	**2,930**	---	---	---	---
	11/20/03	38.63	3520.72	**1,150**	**3,200**	<0.001	0.002	0.003	0.012
	02/20/04	38.50	3520.85	**1,180**	**2,575**	<0.002	<0.002	<0.002	<0.006
	05/26/04	37.80	3521.55	**1,000**	**2,583**	<0.002	0.005	0.005	0.010
	09/02/04	37.94	3521.41	**1,150**	**3,170**	<0.001	0.001	0.002	0.003
	12/21/04	35.12	3524.23	**1,330**	**3,990**	<0.001	<0.001	<0.001	<0.001
	01/26/05	34.03	3525.32	**1,810**	**4,280**	<0.001	<0.001	0.001	0.001
	02/08/05	33.79	3525.56	**1,640**	**4,280**	<0.001	<0.001	0.002	0.001
	05/02/05	34.50	3524.85	**2,140**	**5,680**	<0.001	<0.001	0.003	0.002
	08/11/05	33.39	3525.96	**1,860**	**4,480**	<0.001	<0.001	<0.001	<0.001
	11/28/05	32.90	3526.45	**1,430**	**3,180**	<0.001	<0.001	<0.001	<0.001
	02/21/06	32.72	3526.63	**1,340**	**3,550**	<0.001	<0.001	<0.001	<0.001
	05/17/06	32.83	3526.52	**1,350**	**2,780**	<0.001	<0.001	<0.001	<0.001
	08/21/06	33.45	3525.90	**1,070**	**2,580**	<0.001	0.001	0.001	0.004
	11/07/06	32.35	3527.00	**841**	**1,860**	0.002	<0.001	0.001	0.001
	03/06/07	31.67	3527.68	**757**	**1,720**	<0.001	0.001	0.001	<0.001
	06/07/07	31.57	3527.78	**731**	**1,990**	<0.001	0.001	0.001	<0.001
	08/27/07	32.12	3527.23	**780**	**2,183**	<0.002	<0.002	<0.002	<0.006
	11/09/07	31.84	3527.51	**724**	**1,707**	< 0.001	< 0.001	< 0.001	< 0.003
MW-2	08/21/06	33.04	3525.70	**1,860**	**3,800**	<0.001	<0.001	<0.001	<0.001
	11/07/06	32.06	3526.68	**1,710**	**3,310**	<0.001	<0.001	<0.001	<0.001
	03/06/07	31.32	3527.42	**1,800**	**3,940**	<0.001	<0.001	<0.001	<0.001
	06/07/07	31.22	3527.52	**1,590**	**4,590**	<0.001	<0.001	<0.001	<0.001
	08/27/07	31.75	3526.99	**1,500**	**4,441**	<0.002	<0.002	<0.002	<0.006
	11/09/07	31.45	3527.29	**1,440**	**2,962**	< 0.001	< 0.001	< 0.001	< 0.003
MW-3	08/21/06	31.86	3526.10	**553**	**1,630**	<0.001	<0.001	<0.001	<0.001
	11/07/06	30.68	3527.28	**491**	**1,270**	<0.001	<0.001	<0.001	<0.001
	03/06/07	30.02	3527.94	**333**	**1,220**	<0.001	<0.001	<0.001	<0.001
	06/07/07	29.93	3528.03	**425**	**1,340**	<0.001	<0.001	<0.001	<0.001
	08/27/07	30.50	3527.46	**440**	**1,379**	<0.002	<0.002	<0.002	<0.006
	11/09/07	30.33	3527.63	**448**	**1,296**	< 0.001	< 0.001	< 0.001	< 0.003
WQCC Standards				250	1000	0.01	0.75	0.75	0.62

Total Dissolved Solids (TDS), chloride, sulfate, and BTEX concentrations listed in milligrams per liter (mg/L)
Analyses performed by Environmental Lab of Texas (Odessa TX) or Cardinal Laboratories (Hobbs NM).
Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.
AMSL - Above Mean Sea Level; BTOC - Below Top of Casing
Elevations and state plane coordinates surveyed by Basin Surveys, Hobbs, NM.

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. N-5

Project Number: None Given

Location: T20S-R37E-Sec 5N- Lea County, NM

Lab Order Number: 7C09025

Report Date: 03/29/07

Rice Operating Co.	Project: EME Jct. N-5	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	7C09025-01	Water	03/06/07 11:30	03-09-2007 13:15
Monitor Well #2	7C09025-02	Water	03/06/07 10:45	03-09-2007 13:15
Monitor Well #3	7C09025-03	Water	03/06/07 09:40	03-09-2007 13:15

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Rice Operating Co.	Project: EME Jct. N-5	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7C09025-01) Water									
Benzene	ND	0.00100	mg/L	1	EC71307	03/13/07	03/13/07	EPA 8021B	
Toluene	**J [0.000893]**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**J [0.000986]**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00178**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.00199**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*	*80-120*		"	"	"	"	
Monitor Well #2 (7C09025-02) Water									
Benzene	ND	0.00100	mg/L	1	EC71307	03/13/07	03/13/07	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.0 %*	*80-120*		"	"	"	"	
Monitor Well #3 (7C09025-03) Water									
Benzene	ND	0.00100	mg/L	1	EC71307	03/13/07	03/13/07	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.2 %*	*80-120*		"	"	"	"	

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Rice Operating Co.	Project: EME Jct. N-5	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7C09025-01) Water									
Total Alkalinity	**336**	2.00	mg/L	1	EC71304	03/13/07	03/13/07	EPA 310.1M	
Chloride	**757**	12.5	"	25	EC71615	03/14/07	03/14/07	EPA 300.0	
Total Dissolved Solids	**1720**	10.0	"	1	EC71610	03/12/07	03/13/07	EPA 160.1	
Sulfate	**97.3**	12.5	"	25	EC71615	03/14/07	03/14/07	EPA 300.0	
Monitor Well #2 (7C09025-02) Water									
Total Alkalinity	**312**	2.00	mg/L	1	EC71304	03/13/07	03/13/07	EPA 310.1M	
Chloride	**1800**	25.0	"	50	EC71615	03/14/07	03/14/07	EPA 300.0	
Total Dissolved Solids	**3940**	10.0	"	1	EC71610	03/12/07	03/13/07	EPA 160.1	
Sulfate	**169**	25.0	"	50	EC71615	03/14/07	03/14/07	EPA 300.0	
Monitor Well #3 (7C09025-03) Water									
Total Alkalinity	**336**	2.00	mg/L	1	EC71304	03/13/07	03/13/07	EPA 310.1M	
Chloride	**333**	10.0	"	20	EC71615	03/14/07	03/14/07	EPA 300.0	
Total Dissolved Solids	**1220**	10.0	"	1	EC71610	03/12/07	03/13/07	EPA 160.1	
Sulfate	**91.1**	10.0	"	20	EC71615	03/14/07	03/14/07	EPA 300.0	

Rice Operating Co.	Project: EME Jct. N-5	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7C09025-01) Water									
Calcium	**229**	0.200	mg/L	1	EC72614	03/23/07	03/23/07	EPA 6020A	
Magnesium	**65.3**	0.500	"	"	"	"	"	"	
Potassium	**4.03**	0.500	"	"	"	"	"	"	
Sodium	**388**	0.500	"	"	"	"	"	"	
Monitor Well #2 (7C09025-02) Water									
Calcium	**505**	0.200	mg/L	1	EC72614	03/23/07	03/23/07	EPA 6020A	
Magnesium	**127**	0.500	"	"	"	"	"	"	
Potassium	**5.64**	0.500	"	"	"	"	"	"	
Sodium	**588**	0.500	"	"	"	"	"	"	
Monitor Well #3 (7C09025-03) Water									
Calcium	**167**	0.200	mg/L	1	EC72614	03/23/07	03/23/07	EPA 6020A	
Magnesium	**50.0**	0.500	"	"	"	"	"	"	
Potassium	**3.27**	0.500	"	"	"	"	"	"	
Sodium	**216**	0.500	"	"	"	"	"	"	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EC71307 - EPA 5030C (GC)										
Blank (EC71307-BLK1)				Prepared & Analyzed: 03/13/07						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*40.0*		*ug/l*	*50.0*		*80.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.8*		*"*	*50.0*		*87.6*	*80-120*			
LCS (EC71307-BS1)				Prepared & Analyzed: 03/13/07						
Benzene	0.0438	0.00100	mg/L	0.0500		87.6	80-120			
Toluene	0.0413	0.00100	"	0.0500		82.6	80-120			
Ethylbenzene	0.0422	0.00100	"	0.0500		84.4	80-120			
Xylene (p/m)	0.0843	0.00100	"	0.100		84.3	80-120			
Xylene (o)	0.0406	0.00100	"	0.0500		81.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.5*		*ug/l*	*50.0*		*85.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.6*		*"*	*50.0*		*95.2*	*80-120*			
Calibration Check (EC71307-CCV1)				Prepared: 03/13/07 Analyzed: 03/14/07						
Benzene	0.0450		mg/L	0.0500		90.0	80-120			
Toluene	0.0414		"	0.0500		82.8	80-120			
Ethylbenzene	0.0401		"	0.0500		80.2	80-120			
Xylene (p/m)	0.0802		"	0.100		80.2	80-120			
Xylene (o)	0.0401		"	0.0500		80.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.5*		*ug/l*	*50.0*		*83.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.2*		*"*	*50.0*		*84.4*	*80-120*			
Matrix Spike (EC71307-MS1)		**Source: 7C09031-03**		Prepared: 03/13/07 Analyzed: 03/14/07						
Benzene	0.0423	0.00100	mg/L	0.0500	ND	84.6	80-120			
Toluene	0.0408	0.00100	"	0.0500	ND	81.6	80-120			
Ethylbenzene	0.0402	0.00100	"	0.0500	ND	80.4	80-120			
Xylene (p/m)	0.0809	0.00100	"	0.100	ND	80.9	80-120			
Xylene (o)	0.0401	0.00100	"	0.0500	ND	80.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44.0*		*ug/l*	*50.0*		*88.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.5*		*"*	*50.0*		*95.0*	*80-120*			

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EC71307 - EPA 5030C (GC)										
Matrix Spike Dup (EC71307-MSD1)	**Source: 7C09031-03**			Prepared: 03/13/07 Analyzed: 03/14/07						
Benzene	0.0421	0.00100	mg/L	0.0500	ND	84.2	80-120	0.474	20	
Toluene	0.0411	0.00100	"	0.0500	ND	82.2	80-120	0.733	20	
Ethylbenzene	0.0411	0.00100	"	0.0500	ND	82.2	80-120	2.21	20	
Xylene (p/m)	0.0815	0.00100	"	0.100	ND	81.5	80-120	0.739	20	
Xylene (o)	0.0403	0.00100	"	0.0500	ND	80.6	80-120	0.498	20	
Surrogate: a,a,a-Trifluorotoluene	*42.9*		*ug/l*	*50.0*		*85.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.0*		*"*	*50.0*		*86.0*	*80-120*			

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EC71304 - General Preparation (WetChem)										
Blank (EC71304-BLK1)				Prepared & Analyzed: 03/13/07						
Total Alkalinity	2.00	2.00	mg/L							
LCS (EC71304-BS1)				Prepared & Analyzed: 03/13/07						
Bicarbonate Alkalinity	174	2.00	mg/L	200		87.0	85-115			
Duplicate (EC71304-DUP1)		**Source: 7C09025-01**		Prepared & Analyzed: 03/13/07						
Total Alkalinity	328	2.00	mg/L		336			2.41	20	
Reference (EC71304-SRM1)				Prepared & Analyzed: 03/13/07						
Total Alkalinity	246		mg/L	250		98.4	90-110			
Batch EC71610 - General Preparation (WetChem)										
Blank (EC71610-BLK1)				Prepared: 03/12/07 Analyzed: 03/13/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EC71610-DUP1)		**Source: 7C09022-01**		Prepared: 03/12/07 Analyzed: 03/13/07						
Total Dissolved Solids	1690	10.0	mg/L		1550			8.64	20	
Duplicate (EC71610-DUP2)		**Source: 7C09026-02**		Prepared: 03/12/07 Analyzed: 03/13/07						
Total Dissolved Solids	11500	10.0	mg/L		10700			7.21	20	
Batch EC71615 - General Preparation (WetChem)										
Blank (EC71615-BLK1)				Prepared & Analyzed: 03/14/07						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							

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

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EC71615 - General Preparation (WetChem)										
LCS (EC71615-BS1)				Prepared & Analyzed: 03/14/07						
Chloride	9.19	0.500	mg/L	10.0		91.9	80-120			
Sulfate	9.74	0.500	"	10.0		97.4	80-120			
Calibration Check (EC71615-CCV1)				Prepared & Analyzed: 03/14/07						
Chloride	8.13		mg/L	10.0		81.3	80-120			
Sulfate	11.6		"	10.0		116	80-120			
Duplicate (EC71615-DUP1)	**Source: 7C09022-01**			Prepared & Analyzed: 03/14/07						
Chloride	326	10.0	mg/L		328			0.612	20	
Sulfate	393	10.0	"		397			1.01	20	
Duplicate (EC71615-DUP2)	**Source: 7C09027-01**			Prepared & Analyzed: 03/14/07						
Chloride	700	12.5	mg/L		704			0.570	20	
Sulfate	89.6	12.5	"		90.8			1.33	20	
Matrix Spike (EC71615-MS1)	**Source: 7C09022-01**			Prepared & Analyzed: 03/14/07						
Sulfate	621	10.0	mg/L	200	397	112	80-120			
Chloride	553	10.0	"	200	328	112	80-120			
Matrix Spike (EC71615-MS2)	**Source: 7C09027-01**			Prepared & Analyzed: 03/14/07						
Chloride	961	12.5	mg/L	250	704	103	80-120			
Sulfate	313	12.5	"	250	90.8	88.9	80-120			

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Total Metals 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 EC72614 - General Preparation (Metals)										
Blank (EC72614-BLK1)				Prepared & Analyzed: 03/23/07						
Calcium	ND	0.200	mg/L							
Magnesium	ND	0.500	"							
Potassium	ND	0.500	"							
Sodium	ND	0.500	"							
LCS (EC72614-BS1)				Prepared & Analyzed: 03/23/07						
Calcium	2.46	0.200	mg/L	2.50		98.4	75-125			
Magnesium	2.22	0.500	"	2.50		88.8	75-125			
Potassium	1.98	0.500	"	2.50		79.2	75-125			
Sodium	2.58	0.500	"	2.50		103	75-125			
Duplicate (EC72614-DUP1)	**Source: 7C09022-01**			Prepared & Analyzed: 03/23/07						
Calcium	123	0.200	mg/L		125			1.61	25	
Magnesium	73.5	0.500	"		71.3			3.04	25	
Potassium	9.49	0.500	"		8.45			11.6	25	
Sodium	221	0.500	"		247			11.1	25	
Matrix Spike (EC72614-MS1)	**Source: 7C09022-01**			Prepared & Analyzed: 03/23/07						
Calcium	132	0.200	mg/L	2.50	125	280	75-125			MS-1
Magnesium	73.1	0.500	"	2.50	71.3	72.0	75-125			MS-1
Potassium	11.3	0.500	"	2.50	8.45	114	75-125			
Sodium	237	0.500	"	2.50	247	NR	75-125			MS-1
Matrix Spike Dup (EC72614-MSD1)	**Source: 7C09022-01**			Prepared & Analyzed: 03/23/07						
Calcium	132	0.200	mg/L	2.50	125	280	75-125	0.00	25	MS-1
Magnesium	74.2	0.500	"	2.50	71.3	116	75-125	1.49	25	
Potassium	11.1	0.500	"	2.50	8.45	106	75-125	1.79	25	
Sodium	243	0.500	"	2.50	247	NR	75-125	2.50	25	MS-1

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Notes and Definitions

MS-1	Recovery of sample outside of historical limits due to matrix interference.
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: Brent Barron Date: 3/29/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice

Date/ Time: 3/9/07 1315

Lab ID # : 7C09025

Initials: DM

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	1.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Kristin Farris Pope kpope@riceswd.com

Company Name: RICE Operating Company

Company Address: 122 W. Taylor Street

City/State/Zip: Hobbs, New Mexico 88240

Telephone No: (505) 393-9174 Fax No: (505) 397-1471

Sampler Signature: Rozanne Johnson (505)631-9310 e-mail: rozanne@valornet.com

Project Name: EME Junction N-5

Project #:

Project Loc: T20S R37E Sec5 N ~ Lea County New Mexico

PO #:

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)

ORDER #: 7109025

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl (2) 40 ml glass vials	H_2SO_4	NaOH	$Na_2S_2O_3$	None (1) 1 Liter HDPE	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 8015M 418.1	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles (BTEX-N 8260)	Semivolatiles	TOTAL: BTEX 8021B/5030 X	RCI	N.O.R.M	Total Dissolved Solids			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs:	Standard TAT
01	Monitor Well #1			3/6/2007	11:30		3	X		2				1		GW			X	X					X			X				X
02	Monitor Well #2			3/6/2007	10:45		3	X		2				1		GW			X	X					X			X				X
03	Monitor Well #3			3/6/2007	9:40		3	X		2				1		GW			X	X					X			X				X

Special Instructions:

Please email to : kpope@riceswd.com matt@riceswd.com rozanne@valornet.com
jpurvis@riceswd.com

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	3/9/07	6:30	James Johnson	3/9/07	6:31
James Johnson	3/9/07	13:15	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				3/9/07	13:15

Laboratory Comments:

Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on container(s)	N
Custody seals on container(s)	N
Custody seals on cooler(s)	N
Sample Hand Delivered	N
by Sampler/Client Rep. ?	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 6.0 °C

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. N-5

Project Number: None Given

Location: T20S R37E Sec5 N ~ Lea County New Mexico

Lab Order Number: 7F11014

Report Date: 06/27/07

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	7F11014-01	Water	06/07/07 11:35	06-11-2007 16:30
Monitor Well #2	7F11014-02	Water	06/07/07 10:50	06-11-2007 16:30
Monitor Well #3	7F11014-03	Water	06/07/07 09:45	06-11-2007 16:30

Rice Operating Co.	Project: EME Jct. N-5	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7F11014-01) Water									
Benzene	ND	0.00100	mg/L	1	EF71312	06/13/07	06/15/07	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*80-120*		"	"	"	"	
Monitor Well #2 (7F11014-02) Water									
Benzene	ND	0.00100	mg/L	1	EF71312	06/13/07	06/15/07	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.6 %*	*80-120*		"	"	"	"	
Monitor Well #3 (7F11014-03) Water									
Benzene	ND	0.00100	mg/L	1	EF71312	06/13/07	06/15/07	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*80-120*		"	"	"	"	

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Rice Operating Co.	Project: EME Jct. N-5	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7F11014-01) Water									
Total Alkalinity	**344**	2.00	mg/L	1	EF71403	06/14/07	06/14/07	EPA 310.1M	
Chloride	**731**	12.5	"	25	EF71504	06/15/07	06/15/07	EPA 300.0	
Total Dissolved Solids	**1990**	10.0	"	1	EF71519	06/12/07	06/15/07	EPA 160.1	
Sulfate	**104**	12.5	"	25	EF71504	06/15/07	06/15/07	EPA 300.0	
Monitor Well #2 (7F11014-02) Water									
Total Alkalinity	**350**	2.00	mg/L	1	EF71403	06/14/07	06/14/07	EPA 310.1M	
Chloride	**1590**	25.0	"	50	EF71504	06/15/07	06/15/07	EPA 300.0	
Total Dissolved Solids	**4590**	10.0	"	1	EF71519	06/12/07	06/15/07	EPA 160.1	
Sulfate	**204**	25.0	"	50	EF71504	06/15/07	06/15/07	EPA 300.0	
Monitor Well #3 (7F11014-03) Water									
Total Alkalinity	**384**	2.00	mg/L	1	EF71403	06/14/07	06/14/07	EPA 310.1M	
Chloride	**425**	10.0	"	20	EF71504	06/15/07	06/15/07	EPA 300.0	
Total Dissolved Solids	**1340**	10.0	"	1	EF71519	06/12/07	06/15/07	EPA 160.1	
Sulfate	**110**	10.0	"	20	EF71504	06/15/07	06/15/07	EPA 300.0	

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Rice Operating Co.	Project: EME Jct. N-5	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7F11014-01) Water									
Calcium	**203**	4.05	mg/L	50	EF71902	06/19/07	06/19/07	EPA 6010B	
Magnesium	**56.8**	1.80	"	"	"	"	"	"	
Potassium	**6.37**	0.600	"	10	"	"	"	"	
Sodium	**311**	10.8	"	250	"	"	"	"	
Monitor Well #2 (7F11014-02) Water									
Calcium	**353**	20.2	mg/L	250	EF71902	06/19/07	06/19/07	EPA 6010B	
Magnesium	**95.8**	1.80	"	50	"	"	"	"	
Potassium	**11.9**	0.600	"	10	"	"	"	"	
Sodium	**550**	10.8	"	250	"	"	"	"	
Monitor Well #3 (7F11014-03) Water									
Calcium	**130**	4.05	mg/L	50	EF71902	06/19/07	06/19/07	EPA 6010B	
Magnesium	**39.2**	0.360	"	10	"	"	"	"	
Potassium	**6.33**	0.600	"	"	"	"	"	"	
Sodium	**234**	2.15	"	50	"	"	"	"	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EF71312 - EPA 5030C (GC)										
Blank (EF71312-BLK1)				Prepared: 06/13/07 Analyzed: 06/15/07						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*46.1*		*ug/l*	*50.0*		*92.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.1*		*"*	*50.0*		*82.2*	*80-120*			
LCS (EF71312-BS1)				Prepared: 06/13/07 Analyzed: 06/15/07						
Benzene	0.0508	0.00100	mg/L	0.0500		102	80-120			
Toluene	0.0522	0.00100	"	0.0500		104	80-120			
Ethylbenzene	0.0541	0.00100	"	0.0500		108	80-120			
Xylene (p/m)	0.0945	0.00100	"	0.100		94.5	80-120			
Xylene (o)	0.0527	0.00100	"	0.0500		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	*49.2*		*ug/l*	*50.0*		*98.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.4*		*"*	*50.0*		*94.8*	*80-120*			
Calibration Check (EF71312-CCV1)				Prepared: 06/13/07 Analyzed: 06/15/07						
Benzene	0.0493		mg/L	0.0500		98.6	80-120			
Toluene	0.0501		"	0.0500		100	80-120			
Ethylbenzene	0.0485		"	0.0500		97.0	80-120			
Xylene (p/m)	0.0906		"	0.100		90.6	80-120			
Xylene (o)	0.0506		"	0.0500		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*48.6*		*ug/l*	*50.0*		*97.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.8*		*"*	*50.0*		*93.6*	*80-120*			
Matrix Spike (EF71312-MS1)	**Source: 7F12005-03**			Prepared: 06/13/07 Analyzed: 06/15/07						
Benzene	0.0494	0.00100	mg/L	0.0500	ND	98.8	80-120			
Toluene	0.0505	0.00100	"	0.0500	ND	101	80-120			
Ethylbenzene	0.0534	0.00100	"	0.0500	ND	107	80-120			
Xylene (p/m)	0.0936	0.00100	"	0.100	ND	93.6	80-120			
Xylene (o)	0.0523	0.00100	"	0.0500	ND	105	80-120			
Surrogate: a,a,a-Trifluorotoluene	*50.4*		*ug/l*	*50.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.1*		*"*	*50.0*		*94.2*	*80-120*			

Rice Operating Co.	Project: EME Jct. N-5	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

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 EF71312 - EPA 5030C (GC)										
Matrix Spike Dup (EF71312-MSD1)	**Source: 7F12005-03**			Prepared: 06/13/07 Analyzed: 06/15/07						
Benzene	0.0478	0.00100	mg/L	0.0500	ND	95.6	80-120	3.29	20	
Toluene	0.0495	0.00100	"	0.0500	ND	99.0	80-120	2.00	20	
Ethylbenzene	0.0523	0.00100	"	0.0500	ND	105	80-120	1.89	20	
Xylene (p/m)	0.0913	0.00100	"	0.100	ND	91.3	80-120	2.49	20	
Xylene (o)	0.0506	0.00100	"	0.0500	ND	101	80-120	3.88	20	
Surrogate: a,a,a-Trifluorotoluene	*49.5*		*ug/l*	*50.0*		*99.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.1*		*"*	*50.0*		*94.2*	*80-120*			

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EF71403 - General Preparation (WetChem)										
Blank (EF71403-BLK1)				Prepared & Analyzed: 06/14/07						
Total Alkalinity	ND	2.00	mg/L							
LCS (EF71403-BS1)				Prepared & Analyzed: 06/14/07						
Bicarbonate Alkalinity	170	2.00	mg/L	200		85.0	85-115			
Duplicate (EF71403-DUP1)		**Source: 7F11010-01**		Prepared & Analyzed: 06/14/07						
Total Alkalinity	320	2.00	mg/L		320			0.00	20	
Reference (EF71403-SRM1)				Prepared & Analyzed: 06/14/07						
Total Alkalinity	250		mg/L	250		100	90-110			
Batch EF71504 - General Preparation (WetChem)										
Blank (EF71504-BLK1)				Prepared & Analyzed: 06/15/07						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EF71504-BS1)				Prepared & Analyzed: 06/15/07						
Sulfate	10.1	0.500	mg/L	10.0		101	80-120			
Chloride	9.83	0.500	"	10.0		98.3	80-120			
Calibration Check (EF71504-CCV1)				Prepared & Analyzed: 06/15/07						
Chloride	9.07		mg/L	10.0		90.7	80-120			
Sulfate	12.0		"	10.0		120	80-120			
Duplicate (EF71504-DUP1)		**Source: 7F11014-01**		Prepared & Analyzed: 06/15/07						
Sulfate	104	12.5	mg/L		104			0.00	20	
Chloride	734	12.5	"		731			0.410	20	

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

Project: EME Jct. N-5
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EF71504 - General Preparation (WetChem)										
Duplicate (EF71504-DUP2)		**Source: 7F11017-01**		Prepared & Analyzed: 06/15/07						
Sulfate	76.7	5.00	mg/L		77.6			1.17	20	
Chloride	67.9	5.00	"		69.9			2.90	20	
Matrix Spike (EF71504-MS1)		**Source: 7F11014-01**		Prepared & Analyzed: 06/15/07						
Chloride	992	12.5	mg/L	250	731	104	80-120			
Sulfate	354	12.5	"	250	104	100	80-120			
Matrix Spike (EF71504-MS2)		**Source: 7F11017-01**		Prepared & Analyzed: 06/15/07						
Sulfate	174	5.00	mg/L	100	77.6	96.4	80-120			
Chloride	168	5.00	"	100	69.9	98.1	80-120			
Batch EF71519 - General Preparation (WetChem)										
Blank (EF71519-BLK1)				Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EF71519-DUP1)		**Source: 7F11009-01**		Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	24600	10.0	mg/L		23000			6.72	20	
Duplicate (EF71519-DUP2)		**Source: 7F11014-03**		Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	1380	10.0	mg/L		1340			2.94	20	

Total Metals 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 EF71902 - 6010B/No Digestion										
Blank (EF71902-BLK1)				Prepared & Analyzed: 06/19/07						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EF71902-CCV1)				Prepared & Analyzed: 06/19/07						
Calcium	2.04		mg/L	2.00		102	85-115			
Magnesium	2.00		"	2.00		100	85-115			
Potassium	2.13		"	2.00		106	85-115			
Sodium	2.04		"	2.00		102	85-115			
Duplicate (EF71902-DUP1)	**Source: 7F11010-01**			Prepared & Analyzed: 06/19/07						
Calcium	956	40.5	mg/L		940			1.69	20	
Magnesium	337	3.60	"		346			2.64	20	
Potassium	29.9	0.600	"		30.9			3.29	20	
Sodium	2970	21.5	"		2940			1.02	20	

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Kristin Farris Pope kpope@riceswd.com

Company Name: RICE Operating Company

Company Address: 122 W. Taylor Street

City/State/Zip: Hobbs, New Mexico 88240

Telephone No: (505) 393-9174 Fax No: (505) 397-1471

Sampler Signature: Rozanne Johnson (505)631-9310 e-mail: rozanne@valornet.com

Project Name: EME Junction N-5

Project #:

Project Loc: T20S R37E Sec5 N ~ Lea County New Mexico

PO #:

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)

ORDER #: 7F11014

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl (2) 40 ml glass vials	H_2SO_4	NaOH	$Na_2S_2O_3$	None (1) 1 Liter HDPE	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW=Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles (BTEX-N 8260)	Semivolatiles	TOTAL: BTEX 80216/5030	RCI	N.O.R.M.	Total Dissolved Solids			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
284090																																		
01	Monitor Well #1			6/7/2007	11:35		3	X		2				1			GW				X	X					X			X				X
02	Monitor Well #2			6/7/2007	10:50		3	X		2				1			GW				X	X					X			X				X
03	Monitor Well #3			6/7/2007	9:45		3	X		2				1			GW				X	X					X			X				X

Special Instructions:

Please email to: kpope@riceswd.com matt@riceswd.com rozanne@valornet.com jpurvis@riceswd.com

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	6/11/07		Cathy Watkins	6/11/07	14:41
Cathy Watkins	6/11/07				
			Received by ELOT: Andrea Law	6-11-07	4:30

Laboratory Comments:

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Labels on container(s) Y N

Custody seals on container(s) Y N

Custody seals on cooler(s) Y N

Sample Hand Delivered by Sampler/Client Rep.? Y N

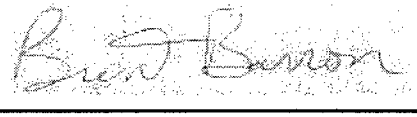
by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 5.0 °C

Rice Operating Co.	Project: EME Jct. N-5	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

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:  Date: 6/27/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

101 East Marland - Hobbs, New Mexico 88240
Tel (505) 393-2326
Fax (505) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: RICE Operating Company	BILL TO Company: RICE Operating Company — PO#
Project Manager: Kristin Farris-Pope, Project Scientist	Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240	Phone#: (505) 393-9174 — Fax#: (505)397-1471
Phone #: (505) 393-9174	Fax #: (505)397-1471
Project #:	Project Name: EME Junction N-5
Project Location: T20S-R37E-Sec5 N ~ Lea County - New Mexico	Sampler Signature: Rozanne Johnson (505)631-9310 rozanne@valornet.com

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (2 40ml VOA)	HNO_3	$NaHSO_4$	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2007)	TIME
113195-1	Monitor Well #1	G	3	X				2				1		8-27	11:20
-2	Monitor Well #2	G	3	X				2				1		8-27	10:25
-3	Monitor Well #3	G	3	X				2				1		8-27	9:30

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content		Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
	X																X	X	X		
	X																X	X	X		
	X																X	X	X		

Relinquished by: Rozanne Johnson	Date: 8-29-07	Time: 4:05	Received by:
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff) Hope L. Moranus
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool: Yes / Intact: Yes	CHECKED BY: (Initials)	

Phone Results		Yes		No
Fax Results		Yes		No Additional Fax Number:

REMARKS:

Email Results to: kpope@riceswd.com
rozanne@valornet.com

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice

Date/ Time: 6·11·07 4:30

Lab ID # : 7F11014

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	5.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 08/29/07
Reporting Date: 09/04/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION N-5
Project Location: T20S-R37E-SEC5 N ~ LEA CO., NM

Sampling Date: 08/27/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		08/30/07	08/30/07	08/30/07	08/30/07
H13195-1	MONITOR WELL #1	<0.002	<0.002	<0.002	<0.006
H13195-2	MONITOR WELL #2	<0.002	<0.002	<0.002	<0.006
H13195-3	MONITOR WELL #3	<0.002	<0.002	<0.002	<0.006
Quality Control		0.086	0.082	0.082	0.252
True Value QC		0.100	0.100	0.100	0.300
% Recovery		86.0	82.3	82.4	84.0
Relative Percent Difference		6.0	2.6	1.8	0.7

METHOD: EPA SW-846 8021 B

Chemist

9/4/07
Date

H13195 BACK

ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 08/29/07
Reporting Date: 09/05/07
Project Owner: NOT GIVEN
Project Name: EME JUNCTION N-5
Project Location: T20S-R37E-SEC5 N~LEA COUNTY, NM

Sampling Date: 08/27/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (μS/cm)	T-Alkalinity ($mgCaCO_3/L$)
ANALYSIS DATE:		09/05/07	09/04/07	09/04/07	09/05/07	08/30/07	09/04/07
H13195-1	MONITOR WELL #1	327	203	60.5	4.80	3,040	260
H13195-2	MONITOR WELL #2	517	366	125	7.30	5,280	220
H13195-3	MONITOR WELL #3	213	129	47.6	4.60	2,200	232
Quality Control		NR	50.6	53.2	1.87	1423	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	101	106	93.6	101	NR
Relative Percent Difference		NR	< 0.1	3.1	2.1	< 0.1	NR

METHODS:		SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)	SO_4 (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		09/04/07	09/05/07	09/04/07	09/04/07	08/30/07	09/04/07
H13195-1	MONITOR WELL #1	780	110	0	317	6.97	2,183
H13195-2	MONITOR WELL #2	1,500	222	0	268	6.88	4,441
H13195-3	MONITOR WELL #3	440	131	0	283	7.11	1,379
Quality Control		500	24.0	NR	1025	6.97	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	96.1	NR	102	99.6	NR
Relative Percent Difference		< 0.1	8.2	NR	6.1	0.1	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1

Chemist

09-07-07
Date

H13195 EMC

ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 11/13/07
Reporting Date: 11/19/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION N-5
Project Location: T20S-R37E-SEC5 N~LEA COUNTY, NM

Sampling Date: 11/09/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity ($mgCaCO_3/L$)
ANALYSIS DATE:		11/19/07	11/19/07	11/19/07	11/15/07	11/14/07	11/14/07
H13697-1	MONITOR WELL #1	405	136	64.5	8.15	3,060	364
H13697-2	MONITOR WELL #2	628	326	107	4.38	5,280	356
H13697-3	MONITOR WELL #3	327	89.2	50.8	4.35	2,264	396
Quality Control		NR	49.2	51.6	2.95	1,415	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	98.5	103	98.3	100	NR
Relative Percent Difference		NR	< 0.1	1.5	5.0	0.1	NR
METHODS:			SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl^- (mg/L)	SO_4 (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		11/15/07	11/19/07	11/14/07	11/14/07	11/14/07	11/14/07
H13697-1	MONITOR WELL #1	724	108	0	444	6.98	1,707
H13697-2	MONITOR WELL #2	1,440	233	0	434	6.81	2,962
H13697-3	MONITOR WELL #3	448	117	0	483	7.06	1,296
Quality Control		500	22.8	NR	988	6.95	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	91.1	NR	98.8	99.3	NR
Relative Percent Difference		< 0.1	6.3	NR	1.2	0.7	NR
METHODS:		SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1

Kristen Farris-Pope
Chemist

11/19/07
Date

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 11/13/07
Reporting Date: 11/20/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION N-5
Project Location: T20S R37E SEC5 N - LEA COUNTY, NM

Sampling Date: 11/09/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: CK
Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		11/14/07	11/14/07	11/14/07	11/14/07
H13697-1	MONITOR WELL # 1	<0.001	<0.001	<0.001	<0.003
H13697-2	MONITOR WELL # 2	<0.001	<0.001	<0.001	<0.003
H13697-3	MONITOR WELL # 3	<0.001	<0.001	<0.001	<0.003
Quality Control		0.102	0.092	0.095	0.293
True Value QC		0.100	0.100	0.100	0.300
% Recovery		102	92	95	98
Relative Percent Difference		2.4	0.4	1.0	1.5

METHOD: EPA SW-846 8021B

Chemist

11/20/07
Date

H13697b Rice

ATTACHMENT C

Field Data Forms

101 East Marland - Hobbs, New Mexico 88240
Tel (505) 393-2326
Fax (505) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: RICE Operating Company	BILL TO Company: RICE Operating Company — PO#
Project Manager: Kristin Farris-Pope, Project Scientist	Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240	Phone#: (505) 393-9174 — Fax#: (505)397-1471
Phone #: (505) 393-9174	Fax #: (505)397-1471
Project #:	Project Name: EME Junction N-5
Project Location: T20S-R37E-Sec5 N ~ Lea County - New Mexico	Sampler Signature: Rozanne Johnson (505)631-9310 rozanne@valornet.com

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (2 40ml VOA)	HNO_3	$NaHSO_4$	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2007)	TIME
H13647-1	Monitor Well #1	G	3	X				2				1		11-9	11:00
2	Monitor Well #2	G	3	X				2				1		11-9	10:00
3	Monitor Well #3	G	3	X				2				1		11-9	9:05

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
	X															X	X	X		
	X															X	X	X		
	X															X	X	X		

Relinquished by: Rozanne Johnson	Date: 11-13-2007	Time: 2:05	Received by:
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff) Date: 11/13/07 Time: 2:05

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Sample Condition: Cool: Yes [X] No [ ] — Intact: Yes [X] No [ ]

CHECKED BY: (Initials) RM

Phone Results		Yes		No	
Fax Results		Yes		No	Additional Fax Number:

REMARKS:

Email Results to: kpope@riceswd.com, lweinheimer@riceswd.com, rozanne@valornet.com

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: EME DATE: June 7, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☑ Hand Bailed ☐ Pump, Type:

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 40.10 Feet
DEPTH TO WATER: 31.57 Feet
HEIGHT OF WATER COLUMN: 8.53 Feet
WELL VOLUME: 1.4 Gal.

2 In. Well Diameter
5 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
11:35	20.5	3.17	6.91	Septic Odor / Gray in Color / Heavy Sheen
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: EME DATE: March 6, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☑ Hand Bailed ☐ Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 40.10 Feet
DEPTH TO WATER: 31.67 Feet
HEIGHT OF WATER COLUMN: 8.43 Feet
WELL VOLUME: 1.3 Gal.

2 In. Well Diameter
5 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
11:30	20.1	3.42	6.91	Septic Odor / Gray in Color / Heavy Sheen
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: EME DATE: November 9, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 40.10 Feet
DEPTH TO WATER: 31.84 Feet
HEIGHT OF WATER COLUMN: 8.26 Feet
WELL VOLUME: 1.3 Gal.

2 In. Well Diameter
5 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
11:00	19.5	2.98	6.98	Septic Odor / Gray in Color / Heavy Sheen
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #1

SYSTEM: EME DATE: August 27, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 40.10 Feet
DEPTH TO WATER: 32.12 Feet
HEIGHT OF WATER COLUMN: 7.98 Feet
WELL VOLUME: 1.3 Gal.

2 In. Well Diameter
5 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
11:20	21.1	3.01	6.94	Septic Odor / Gray in Color / Heavy Sheen
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #2

SYSTEM: EME DATE: June 7, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 44.10 Feet
DEPTH TO WATER: 31.22 Feet
HEIGHT OF WATER COLUMN: 12.88 Feet
WELL VOLUME: 2.1 Gal.

2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
10:50	20.4	5.52	6.73	Sand to Clear with Slight Odor
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #2

SYSTEM: EME DATE: March 6, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: *Purge Pump*

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 44.10 Feet
DEPTH TO WATER: 31.32 Feet
HEIGHT OF WATER COLUMN: 12.78 Feet
WELL VOLUME: 2.0 Gal.

2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
10:45	22.0	5.87	6.76	Sand to Clear with Slight Odor
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #2

SYSTEM: EME DATE: November 9, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 44.10 Feet

DEPTH TO WATER: 31.45 Feet

HEIGHT OF WATER COLUMN: 12.65 Feet

WELL VOLUME: 2.0 Gal.

2 In. Well Diameter

8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
10:00	19.8	5.10	6.83	Sand to Clear with Slight Odor
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #2

SYSTEM: EME DATE: August 27, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 44.10 Feet
DEPTH TO WATER: 31.75 Feet
HEIGHT OF WATER COLUMN: 12.35 Feet
WELL VOLUME: 2.0 Gal.

2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
10:25	20.8	5.12	6.81	Sand to Clear with Slight Odor
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #3

SYSTEM: EME DATE: June 7, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 43.15 Feet
DEPTH TO WATER: 29.93 Feet
HEIGHT OF WATER COLUMN: 13.22 Feet
WELL VOLUME: 2.1 Gal.

2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
9:45	20.5	2.23	6.94	Sand to Clear with No Odor
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #3

SYSTEM: EME DATE: March 6, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 43.15 Feet
DEPTH TO WATER: 30.02 Feet
HEIGHT OF WATER COLUMN: 13.13 Feet
WELL VOLUME: 2.1 Gal.

2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
9:40	20.0	2.28	6.96	Sand to Clear with No Odor
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Environmental Lab of Texas in Odessa, Texas for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #3

SYSTEM: EME DATE: November 9, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 43.15 Feet

DEPTH TO WATER: 30.33 Feet

HEIGHT OF WATER COLUMN: 12.82 Feet

WELL VOLUME: 2.1 Gal.

2 In. Well Diameter

8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
9:05	19.8	2.19	7.05	Sand to Clear with No Odor
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE *Operating Company* WELL ID: Monitor Well #3

SYSTEM: EME DATE: August 27, 2007

SITE LOCATION: Junction N-5 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Purge Pump

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 43.15 Feet
DEPTH TO WATER: 30.50 Feet
HEIGHT OF WATER COLUMN: 12.65 Feet
WELL VOLUME: 2.0 Gal.

2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
9:30	20.5	2.18	7.03	Sand to Clear with No Odor
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.