

AP - 46

ANNUAL MONITORING REPORT

YEAR(S):

2007



CERTIFIED MAIL
RETURN RECEIPT NO. 7099 3400 0017 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

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2008 MAR 28 PM 1 51

**RE: 2007 ANNUAL GROUNDWATER MONITORING REPORT
EME JCT. K-6 SITE (AP-46)
T20S, R37E, SECTION 6, UNIT LETTER K
LEA COUNTY, NEW MEXICO**

Mr. Hansen:

On behalf of Rice Operating Company (ROC), Trident Environmental takes this opportunity to submit the 2007 Annual Monitoring Well Report for the Jct. K-6 Site (AP-46) which 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 Farris Pope at (505) 393-9174.

Sincerely,

Gilbert J. Van Deventer, PG, REM

cc: KFP, JSC

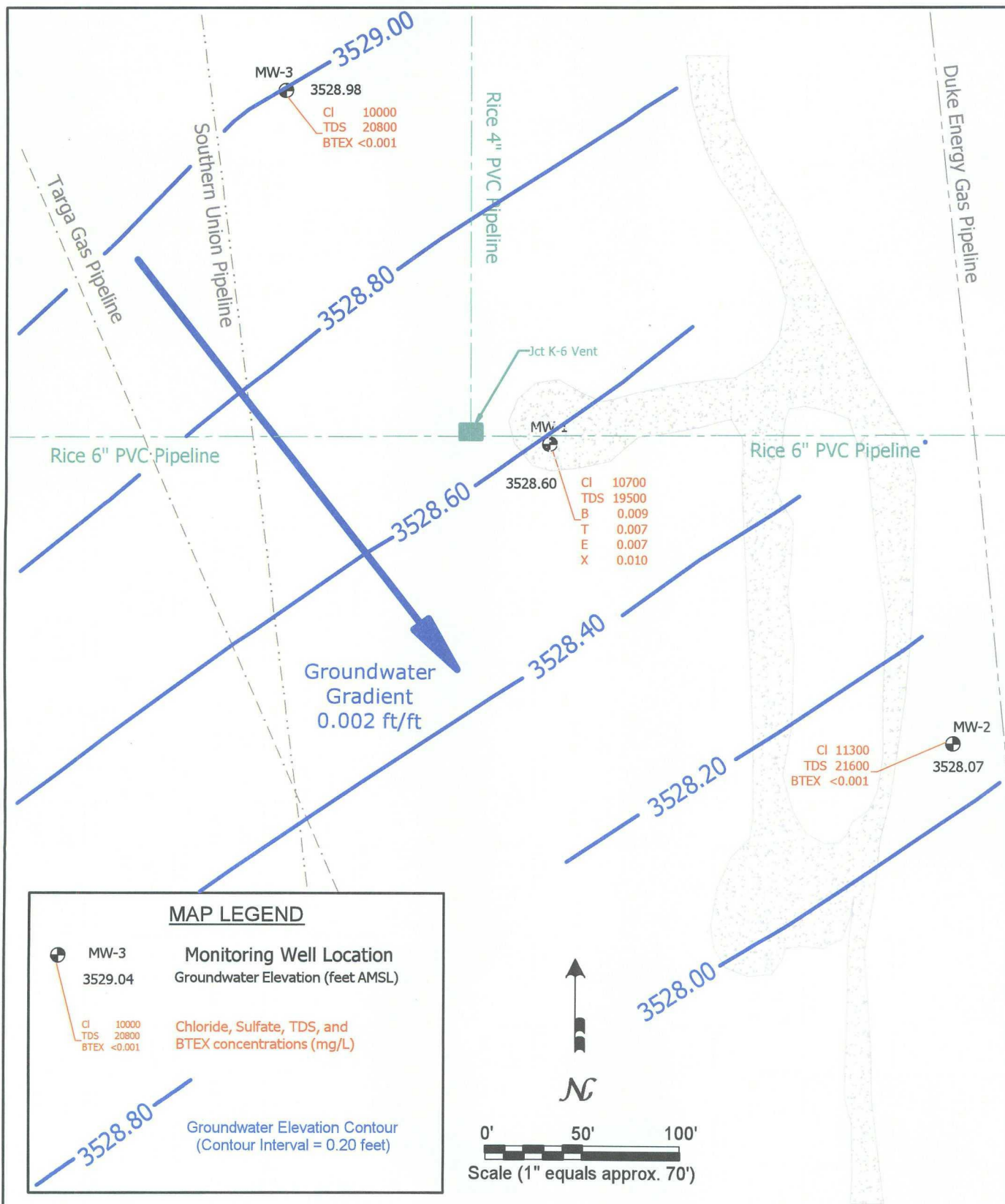
enclosures: maps, table, graphs, laboratory analytical reports, and well sampling data form

ATTACHMENT A

Site Maps

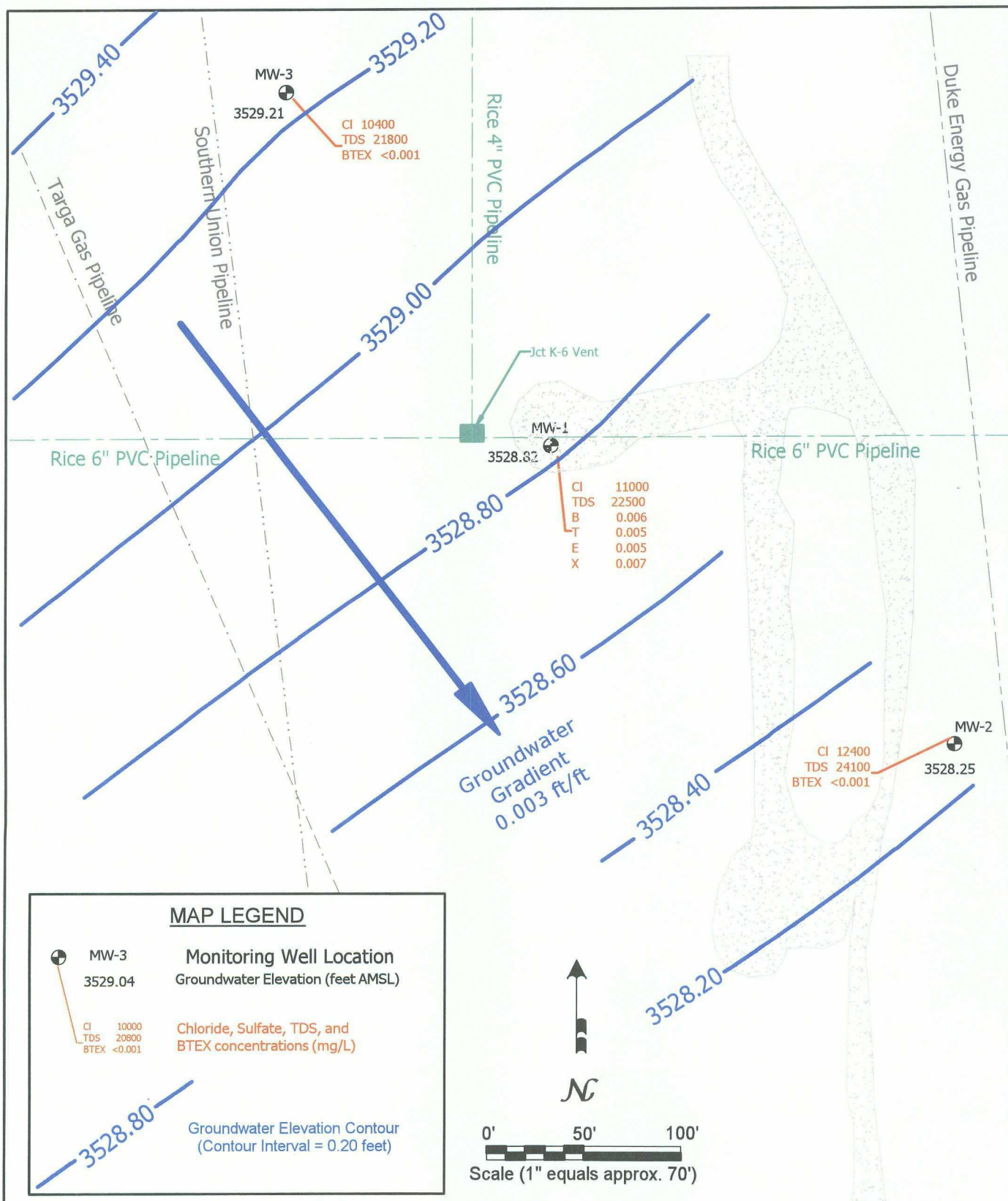
Table

Graphs



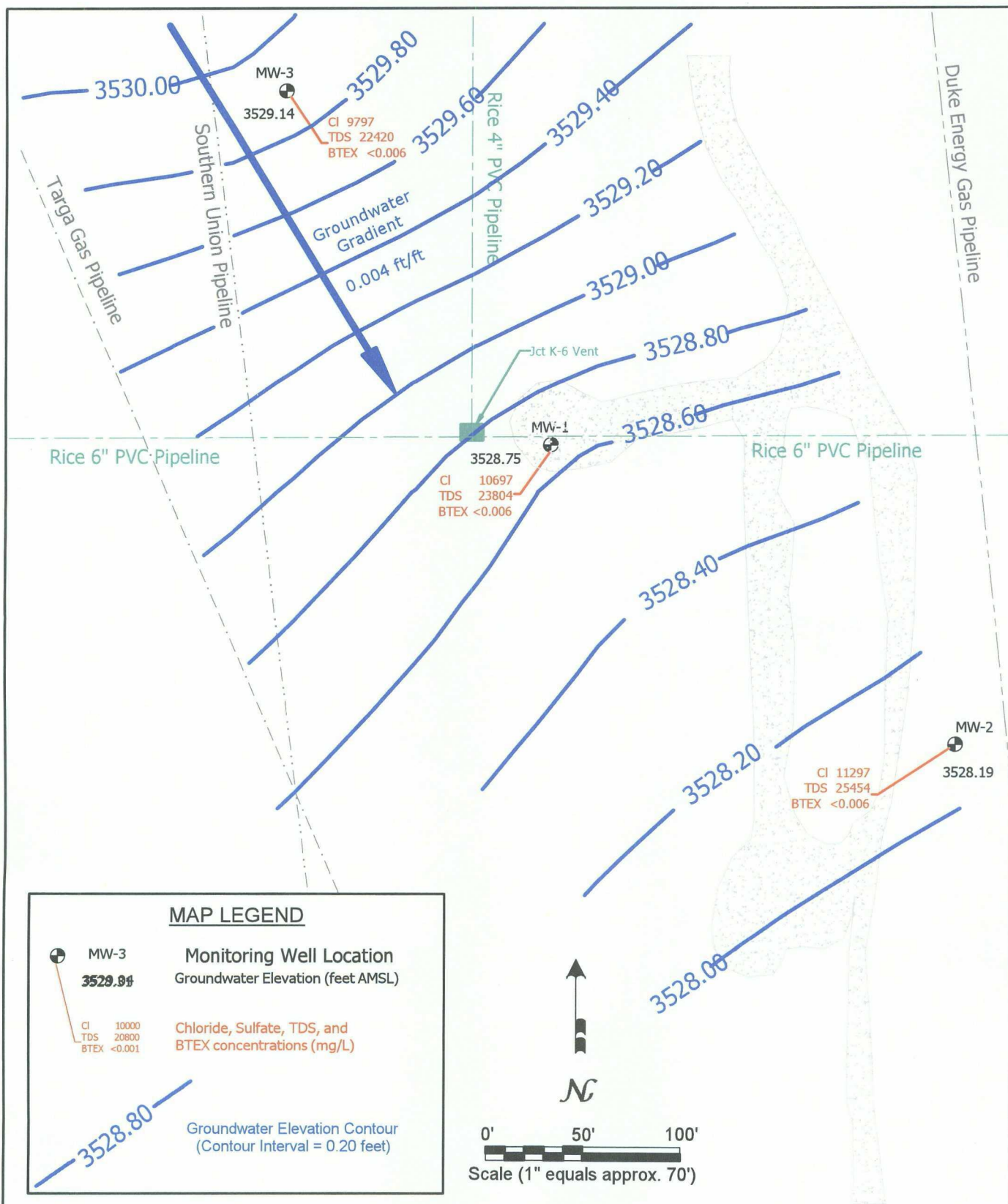
EME Jct. K-6 Vent Site
T20S - R37E - Section 6 - Unit K
RICE Operating Company

**GROUNDWATER GRADIENT AND
CHLORIDE, TDS, & BTEX
CONCENTRATION MAP
MARCH 8, 2007**



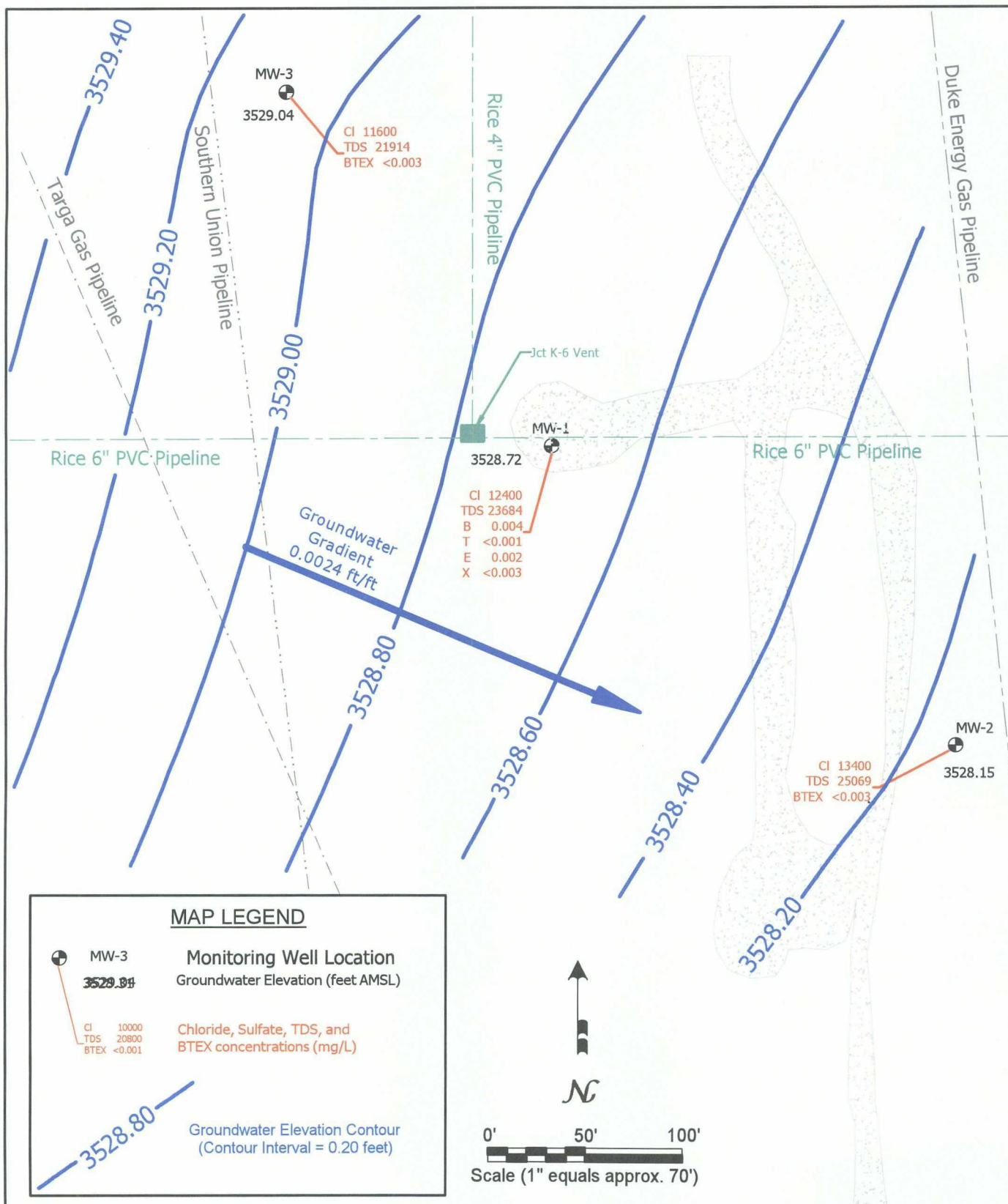
EME Jct. K-6 Vent Site
 T20S - R37E - Section 6 - Unit K
RICE Operating Company

**GROUNDWATER GRADIENT AND
 CHLORIDE, TDS, & BTEX
 CONCENTRATION MAP
 JUNE 5, 2007**



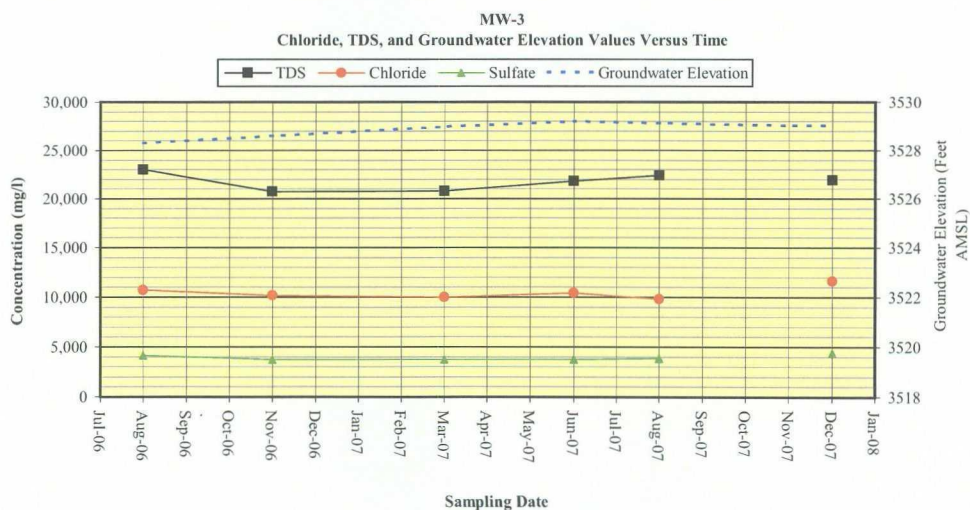
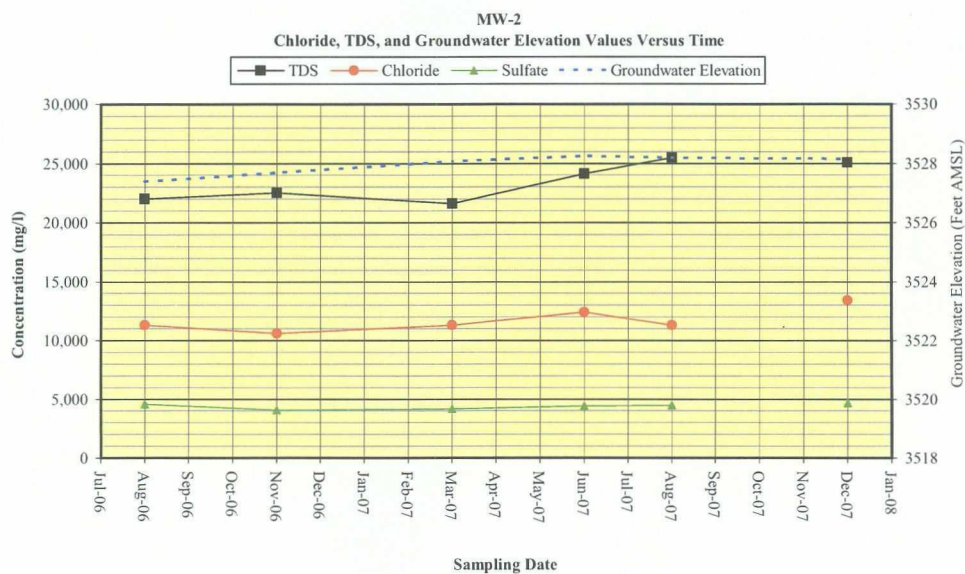
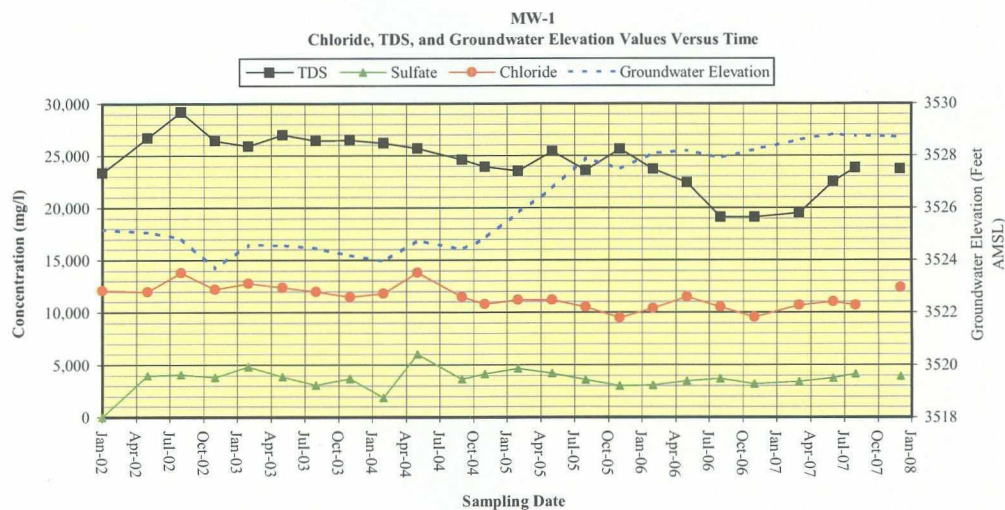
EME Jct. K-6 Vent Site
T20S - R37E - Section 6 - Unit K
RICE Operating Company

GROUNDWATER GRADIENT AND
CHLORIDE, TDS, & BTEX
CONCENTRATION MAP
AUGUST 22, 2007



EME Jct. K-6 Vent Site
T20S - R37E - Section 6 - Unit K
RICE Operating Company

**GROUNDWATER GRADIENT AND
CHLORIDE, TDS, & BTEX
CONCENTRATION MAP**
DECEMBER 11, 2007



ATTACHMENT B

Laboratory Analytical Reports

And

Chain of Custody Documentation

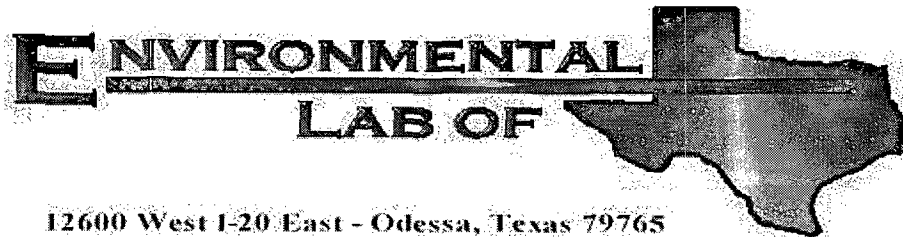
Table 1
Summary of Groundwater Sampling Results

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
MW-1	01/25/02	37.20	3525.16	12,096	—	23,370	<0.002	<0.002	0.002	0.006
	05/14/02	37.30	3525.06	12,000	3,960	26,700	0.001	0.003	<0.001	0.004
	08/28/02	37.52	3524.84	13,796	4,086	29,180	<0.002	<0.002	0.003	<0.006
	11/11/02	38.65	3523.71	12,200	3,780	26,400	0.001	0.001	0.001	0.003
	02/27/03	37.78	3524.58	12,800	4,830	25,900	0.001	0.001	0.001	0.003
	05/29/03	37.80	3524.56	12,400	3,880	27,000	0.002	0.001	0.001	0.001
	08/21/03	37.90	3524.46	12,000	3,060	26,400	0.003	<0.001	0.002	0.004
	11/19/03	38.17	3524.19	11,500	3,720	26,500	0.003	0.001	<0.001	0.001
	02/18/04	38.40	3523.96	11,796	1,903	26,172	0.003	<0.002	<0.002	<0.006
	05/27/04	37.60	3524.76	13,800	6,020	25,700	0.001	<0.001	<0.001	0.001
	09/07/04	37.96	3524.40	11,500	3,640	24,600	0.003	<0.001	0.001	0.003
	11/24/04	37.53	3524.83	10,800	4,140	23,900	0.005	0.004	0.005	0.015
	02/09/05	36.54	3525.82	11,200	4,670	23,500	0.003	<0.001	<0.001	0.002
	05/03/05	35.60	3526.76	11,200	4,230	25,400	0.003	0.001	0.002	0.001
	08/11/05	34.44	3527.92	10,500	3,560	23,600	0.004	<0.001	0.004	0.002
	11/28/05	34.89	3527.47	9,480	3,030	25,600	0.002	0.001	0.003	0.002
	02/21/06	34.26	3528.10	10,400	3,060	23,700	0.002	0.003	0.004	0.006
	05/17/06	34.18	3528.18	11,500	3,440	22,400	0.002	0.001	0.002	0.001
	08/22/06	34.44	3527.92	10,500	3,710	19,100	0.003	0.001	0.002	0.001
	11/08/06	34.14	3528.22	9,520	3,170	19,100	0.006	0.029	0.006	0.007
MW-2	03/08/07	33.76	3528.60	10,700	3,400	19,500	0.009	0.007	0.007	0.010
	06/05/07	33.54	3528.82	11,000	3,740	22,500	0.006	0.005	0.005	0.007
	08/22/07	33.61	3528.75	10,697	4,121	23,804	<0.002	<0.002	<0.002	<0.006
	12/11/07	33.65	3528.71	12,400	3,900	23,684	0.004	<0.001	0.002	<0.003
	08/22/06	31.92	3527.38	11,300	4,560	22,000	<0.001	<0.001	<0.001	<0.001
MW-3	11/08/06	31.62	3527.68	10,600	4,090	22,500	<0.001	<0.001	<0.001	<0.001
	03/08/07	31.23	3528.07	11,300	4,190	21,600	<0.001	<0.001	<0.001	<0.001
	06/05/07	31.05	3528.25	12,400	4,420	24,100	<0.001	<0.001	<0.001	<0.001
	08/22/07	31.11	3528.19	11,297	4,480	25,454	<0.002	<0.002	<0.002	<0.006
	12/11/07	31.15	3528.15	13,400	4,670	25,069	<0.001	<0.001	<0.001	<0.003
MW-3	08/22/06	34.85	3528.31	10,700	4,160	23,000	<0.001	<0.001	<0.001	<0.001
	11/08/06	34.55	3528.61	10,200	3,760	20,700	<0.001	<0.001	<0.001	<0.001
	03/08/07	34.18	3528.98	10,000	3,750	20,800	<0.001	<0.001	<0.001	<0.001
	06/05/07	33.95	3529.21	10,400	3,760	21,800	<0.001	<0.001	<0.001	<0.001
	08/22/07	34.02	3529.14	9,797	3,871	22,420	<0.002	<0.002	<0.002	<0.006
MW-3	12/11/07	34.12	3529.04	11,600	4,420	21,914	<0.001	<0.001	<0.001	<0.003
	WQCC Standards			250	600	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.



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. K-6

Project Number: None Given

Location: T20S-R37E-Sec 6 K- Lea County, NM

Lab Order Number: 7C09030

Report Date: 03/29/07

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

Project: EME Jct. K-6
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	7C09030-01	Water	03/08/07 15:50	03-09-2007 13:15
Monitor Well #2	7C09030-02	Water	03/08/07 14:10	03-09-2007 13:15
Monitor Well #3	7C09030-03	Water	03/08/07 15:00	03-09-2007 13:15

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

Project: EME Jct. K-6
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7C09030-01) Water									
Benzene	0.00909	0.00100	mg/L	1	EC71307	03/13/07	03/14/07	EPA 8021B	
Toluene	0.00672	0.00100	"	"	"	"	"	"	
Ethylbenzene	0.00652	0.00100	"	"	"	"	"	"	
Xylene (p/m)	0.00608	0.00100	"	"	"	"	"	"	
Xylene (o)	0.00342	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	80-120		"	"	"	"	

Monitor Well #2 (7C09030-02) Water

Benzene	ND	0.00100	mg/L	1	EC71307	03/13/07	03/14/07	EPA 8021B	
Toluene	J [0.000390]	0.00100	"	"	"	"	"	"	
Ethylbenzene	J [0.000206]	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.0 %	80-120		"	"	"	"	

Monitor Well #3 (7C09030-03) Water

Benzene	ND	0.00100	mg/L	1	EC71307	03/13/07	03/14/07	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		85.6 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.2 %	80-120		"	"	"	"	

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

Project: EME Jct. K-6
Project Number: None Given
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Fax: (505) 397-1471

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 (7C09030-01) Water									
Total Alkalinity	648	2.00	mg/L	1	EC71304	03/13/07	03/13/07	EPA 310.1M	
Chloride	10700	250	"	500	EC71617	03/15/07	03/15/07	EPA 300.0	
Total Dissolved Solids	19500	10.0	"	1	EC71610	03/12/07	03/13/07	EPA 160.1	
Sulfate	3400	250	"	500	EC71617	03/15/07	03/15/07	EPA 300.0	
Monitor Well #2 (7C09030-02) Water									
Total Alkalinity	504	2.00	mg/L	1	EC71304	03/13/07	03/13/07	EPA 310.1M	
Chloride	11300	250	"	500	EC71617	03/15/07	03/15/07	EPA 300.0	
Total Dissolved Solids	21600	10.0	"	1	EC71611	03/13/07	03/16/07	EPA 160.1	
Sulfate	4190	250	"	500	EC71617	03/15/07	03/15/07	EPA 300.0	
Monitor Well #3 (7C09030-03) Water									
Total Alkalinity	496	2.00	mg/L	1	EC71304	03/13/07	03/13/07	EPA 310.1M	
Chloride	10000	250	"	500	EC71617	03/15/07	03/15/07	EPA 300.0	
Total Dissolved Solids	20800	10.0	"	1	EC71611	03/13/07	03/16/07	EPA 160.1	
Sulfate	3750	250	"	500	EC71617	03/15/07	03/15/07	EPA 300.0	

Environmental Lab of Texas
A Xenco Laboratories Company

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.

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

Project: EME Jct. K-6
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7C09030-01) Water									
Calcium	882	0.200	mg/L	1	EC72802	03/23/07	03/23/07	EPA 6020A	
Magnesium	340	0.500	"	"	"	"	"	"	
Potassium	40.3	0.500	"	"	"	"	"	"	
Sodium	4420	0.500	"	"	"	"	"	"	
Monitor Well #2 (7C09030-02) Water									
Calcium	988	0.200	mg/L	1	EC72802	03/23/07	03/23/07	EPA 6020A	
Magnesium	390	0.500	"	"	"	"	"	"	
Potassium	34.7	0.500	"	"	"	"	"	"	
Sodium	4440	0.500	"	"	"	"	"	"	
Monitor Well #3 (7C09030-03) Water									
Calcium	782	0.200	mg/L	1	EC72802	03/23/07	03/23/07	EPA 6020A	
Magnesium	296	0.500	"	"	"	"	"	"	
Potassium	44.6	0.500	"	"	"	"	"	"	
Sodium	4320	0.500	"	"	"	"	"	"	

Environmental Lab of Texas

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Page 4 of 11

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

Project: EME Jct. K-6
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
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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			

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

Project: EME Jct. K-6
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. K-6
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 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 EC71611 - General Preparation (WetChem)									
Blank (EC71611-BLK1)				Prepared: 03/13/07 Analyzed: 03/16/07					
Total Dissolved Solids	ND	10.0	mg/L						

Environmental Lab of Texas

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Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: EME Jct. K-6 Project Number: None Given Project Manager: Kristin Farris-Pope	Fax: (505) 397-1471
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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 EC71611 - General Preparation (WetChem)										
Duplicate (EC71611-DUP1)		Source: 7C09030-02			Prepared: 03/13/07 Analyzed: 03/16/07					
Total Dissolved Solids	26300	10.0	mg/L		21600			19.6	20	
Batch EC71617 - General Preparation (WetChem)										
Blank (EC71617-BLK1)		Prepared & Analyzed: 03/15/07								
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EC71617-BS1)		Prepared & Analyzed: 03/15/07								
Chloride	9.22	0.500	mg/L	10.0		92.2	80-120			
Sulfate	10.0	0.500	"	10.0		100	80-120			
Calibration Check (EC71617-CCV1)		Prepared & Analyzed: 03/15/07								
Sulfate	11.6		mg/L	10.0		116	80-120			
Chloride	8.14		"	10.0		81.4	80-120			
Duplicate (EC71617-DUP1)		Source: 7C09031-01			Prepared & Analyzed: 03/15/07					
Chloride	921	12.5	mg/L		916			0.544	20	
Sulfate	149	12.5	"		148			0.673	20	
Duplicate (EC71617-DUP2)		Source: 7C14013-02			Prepared & Analyzed: 03/15/07					
Chloride	72.4	0.500	mg/L		71.5			1.25	20	
Sulfate	129	5.00	"		127			1.56	20	
Matrix Spike (EC71617-MS1)		Source: 7C09031-01			Prepared & Analyzed: 03/15/07					
Chloride	1220	5.00	mg/L	250	916	122	80-120			M1
Sulfate	387	12.5	"	250	148	95.6	80-120			

Environmental Lab of Texas

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

Project: EME Jct. K-6
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 EC71617 - General Preparation (WetChem)

Matrix Spike (EC71617-MS2)

Source: 7C14013-02

Prepared & Analyzed: 03/15/07

Chloride	168	5.00	mg/L	100	71.5	96.5	80-120			
Sulfate	223	5.00	"	100	127	96.0	80-120			

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

Project: EME Jct. K-6
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
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Batch EC72802 - General Preparation (Metals)

Blank (EC72802-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 (EC72802-BS1)

Prepared & Analyzed: 03/23/07

Calcium	2.52		mg/L	2.50		101	75-125
Magnesium	2.08		"	2.50		83.2	75-125
Potassium	4.28		"	5.00		85.6	75-125
Sodium	1.38		"	1.50		92.0	75-125

Duplicate (EC72802-DUP1)

Source: 7C09030-01

Prepared & Analyzed: 03/23/07

Calcium	656	0.200	mg/L	882		29.4	25	R2
Magnesium	324	0.500	"	340		4.82	25	
Potassium	24.8	0.500	"	40.3		47.6	25	R2
Sodium	3620	0.500	"	4420		19.9	25	

Matrix Spike (EC72802-MS1)

Source: 7C09030-01

Prepared & Analyzed: 03/23/07

Calcium	544	0.200	mg/L	5.00	882	NR	75-125	M8
Magnesium	321	0.500	"	5.00	340	NR	75-125	M8
Potassium	21.8	0.500	"	5.00	40.3	NR	75-125	M8
Sodium	3100	0.500	"	5.00	4420	NR	75-125	M8

Matrix Spike Dup (EC72802-MSD1)

Source: 7C09030-01

Prepared & Analyzed: 03/23/07

Calcium	535	0.200	mg/L	5.00	882	NR	75-125	1.67	25	M8
Magnesium	317	0.500	"	5.00	340	NR	75-125	1.25	25	M8
Potassium	21.1	0.500	"	5.00	40.3	NR	75-125	3.26	25	M8
Sodium	3090	0.500	"	5.00	4420	NR	75-125	0.323	25	M8

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

Project: EME Jct. K-6
Project Number: None Given
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Notes and Definitions

R2 The RPD exceeded the acceptance limit.

M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

M1 The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

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:

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

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Environmental Lab of Texas

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

Client: Rice
Date/ Time: 3/9/07 1315
Lab ID #: 7009080
Initials: Om

Sample Receipt Checklist

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

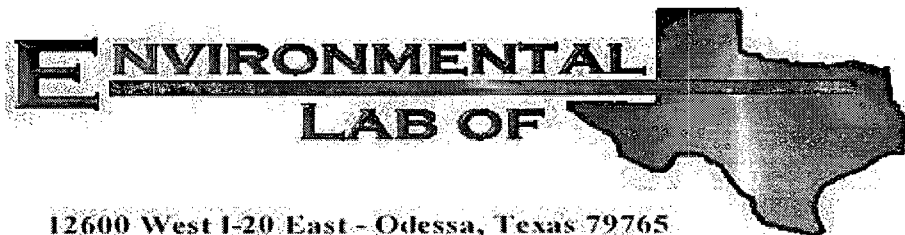
Variance Documentation

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



12600 West I-20 East - Odessa, Texas 79765

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Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME Jct. K-6

Project Number: None Given

Location: T20S R37E Sec6 K ~ Lea County New Mexico

Lab Order Number: 7F06021

Report Date: 06/27/07

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

Project: EME Jct. K-6
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	7F06021-01	Water	06/05/07 11:25	06-06-2007 12:51
Monitor Well #2	7F06021-02	Water	06/05/07 10:30	06-06-2007 12:51
Monitor Well #3	7F06021-03	Water	06/05/07 09:40	06-06-2007 12:51

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

Project: EME Jct. K-6
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Monitor Well #1 (7F06021-01) Water

Benzene	0.00574	0.00100	mg/L	1	EF70804	06/08/07	06/11/07	EPA 8021B	
Toluene	0.00539	0.00100	"	"	"	"	"	"	
Ethylbenzene	0.00483	0.00100	"	"	"	"	"	"	
Xylene (p/m)	0.00478	0.00100	"	"	"	"	"	"	
Xylene (o)	0.00230	0.00100	"	"	"	"	"	"	

Surrogate: *a,a,a*-Trifluorotoluene

112 % 80-120

" " " "

Surrogate: 4-Bromofluorobenzene

99.2 % 80-120

" " " "

Monitor Well #2 (7F06021-02) Water

Benzene	ND	0.00100	mg/L	1	EF70804	06/08/07	06/11/07	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

106 % 80-120

" " " "

Surrogate: 4-Bromofluorobenzene

95.4 % 80-120

" " " "

Monitor Well #3 (7F06021-03) Water

Benzene	ND	0.00100	mg/L	1	EF70804	06/08/07	06/11/07	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

110 % 80-120

" " " "

Surrogate: 4-Bromofluorobenzene

111 % 80-120

" " " "

Environmental Lab of Texas

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

Project: EME Jct. K-6
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 (7F06021-01) Water									
Total Alkalinity	550	2.00	mg/L	1	EF71309	06/13/07	06/13/07	EPA 310.1M	
Chloride	11000	250	"	500	EF71204	06/12/07	06/12/07	EPA 300.0	
Total Dissolved Solids	22500	10.0	"	1	EF71110	06/07/07	06/11/07	EPA 160.1	
Sulfate	3740	250	"	500	EF71204	06/12/07	06/12/07	EPA 300.0	
Monitor Well #2 (7F06021-02) Water									
Total Alkalinity	600	2.00	mg/L	1	EF71309	06/13/07	06/13/07	EPA 310.1M	
Chloride	12400	250	"	500	EF71204	06/12/07	06/12/07	EPA 300.0	
Total Dissolved Solids	24100	10.0	"	1	EF71110	06/07/07	06/11/07	EPA 160.1	
Sulfate	4420	250	"	500	EF71204	06/12/07	06/12/07	EPA 300.0	
Monitor Well #3 (7F06021-03) Water									
Total Alkalinity	540	2.00	mg/L	1	EF71309	06/13/07	06/13/07	EPA 310.1M	
Chloride	10400	100	"	200	EF71204	06/12/07	06/12/07	EPA 300.0	
Total Dissolved Solids	21800	10.0	"	1	EF71110	06/07/07	06/11/07	EPA 160.1	
Sulfate	3760	100	"	200	EF71204	06/12/07	06/12/07	EPA 300.0	

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

Project: EME Jct. K-6
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7F06021-01) Water									
Calcium	673	20.2	mg/L	250	EF70807	06/08/07	06/08/07	EPA 6010B	
Magnesium	253	1.80	"	50	"	"	"	"	
Potassium	26.1	3.00	"	"	"	"	"	"	
Sodium	8180	215	"	5000	"	"	"	"	
Monitor Well #2 (7F06021-02) Water									
Calcium	812	20.2	mg/L	250	EF70808	06/08/07	06/08/07	EPA 6010B	
Magnesium	280	1.80	"	50	"	"	"	"	
Potassium	26.4	3.00	"	"	"	"	"	"	
Sodium	6350	215	"	5000	"	"	"	"	
Monitor Well #3 (7F06021-03) Water									
Calcium	632	20.2	mg/L	250	EF70808	06/08/07	06/08/07	EPA 6010B	
Magnesium	224	1.80	"	50	"	"	"	"	
Potassium	37.0	3.00	"	"	"	"	"	"	
Sodium	14800	215	"	5000	"	"	"	"	

Environmental Lab of Texas

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

Project: EME Jct. K-6
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
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Batch EF70804 - EPA 5030C (GC)

Blank (EF70804-BLK1)

Prepared: 06/08/07 Analyzed: 06/11/07

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	48.0		ug/l	50.0		96.0	80-120			
Surrogate: 4-Bromofluorobenzene	45.7		"	50.0		91.4	80-120			

LCS (EF70804-BS1)

Prepared: 06/08/07 Analyzed: 06/11/07

Benzene	0.0508	0.00100	mg/L	0.0500		102	80-120			
Toluene	0.0518	0.00100	"	0.0500		104	80-120			
Ethylbenzene	0.0505	0.00100	"	0.0500		101	80-120			
Xylene (p/m)	0.0995	0.00100	"	0.100		99.5	80-120			
Xylene (o)	0.0526	0.00100	"	0.0500		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	49.7		ug/l	50.0		99.4	80-120			
Surrogate: 4-Bromofluorobenzene	48.0		"	50.0		96.0	80-120			

Calibration Check (EF70804-CCV1)

Prepared: 06/08/07 Analyzed: 06/12/07

Benzene	0.0577		mg/L	0.0500		115	80-120			
Toluene	0.0576		"	0.0500		115	80-120			
Ethylbenzene	0.0548		"	0.0500		110	80-120			
Xylene (p/m)	0.104		"	0.100		104	80-120			
Xylene (o)	0.0579		"	0.0500		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	57.6		ug/l	50.0		115	80-120			
Surrogate: 4-Bromofluorobenzene	50.8		"	50.0		102	80-120			

Matrix Spike (EF70804-MS1)

Source: 7F06020-01

Prepared: 06/08/07 Analyzed: 06/11/07

Benzene	0.0547	0.00100	mg/L	0.0500	ND	109	80-120			
Toluene	0.0556	0.00100	"	0.0500	ND	111	80-120			
Ethylbenzene	0.0531	0.00100	"	0.0500	ND	106	80-120			
Xylene (p/m)	0.105	0.00100	"	0.100	ND	105	80-120			
Xylene (o)	0.0578	0.00100	"	0.0500	ND	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	56.5		ug/l	50.0		113	80-120			
Surrogate: 4-Bromofluorobenzene	53.6		"	50.0		107	80-120			

Environmental Lab of Texas

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

Project: EME Jct. K-6
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
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Batch EF70804 - EPA 5030C (GC)

Matrix Spike Dup (EF70804-MSD1)	Source: 7F06020-01			Prepared: 06/08/07 Analyzed: 06/12/07					
Benzene	0.0562	0.00100	mg/L	0.0500	ND	112	80-120	2.71	20
Toluene	0.0569	0.00100	"	0.0500	ND	114	80-120	2.67	20
Ethylbenzene	0.0558	0.00100	"	0.0500	ND	112	80-120	5.50	20
Xylene (p/m)	0.107	0.00100	"	0.100	ND	107	80-120	1.89	20
Xylene (o)	0.0589	0.00100	"	0.0500	ND	118	80-120	1.71	20
Surrogate: <i>a,a,a</i> -Trifluorotoluene	59.3		ug/l	50.0		119	80-120		
Surrogate: 4-Bromofluorobenzene	55.2		"	50.0		110	80-120		

Environmental Lab of Texas

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

Project: EME Jct. K-6
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 Limits	RPD	RPD Limit	Notes
Batch EF71110 - General Preparation (WetChem)									
Blank (EF71110-BLK1)				Prepared: 06/07/07 Analyzed: 06/11/07					
Total Dissolved Solids	ND	10.0	mg/L						
Duplicate (EF71110-DUP1)				Source: 7F06016-01 Prepared: 06/07/07 Analyzed: 06/11/07					
Total Dissolved Solids	1270	10.0	mg/L		1210		4.84	20	
Duplicate (EF71110-DUP2)				Source: 7F06019-03 Prepared: 06/07/07 Analyzed: 06/11/07					
Total Dissolved Solids	7020	10.0	mg/L		6900		1.72	20	
Batch EF71204 - General Preparation (WetChem)									
Blank (EF71204-BLK1)				Prepared & Analyzed: 06/12/07					
Sulfate	ND	0.500	mg/L						
Chloride	ND	0.500	"						
LCS (EF71204-BS1)				Prepared & Analyzed: 06/12/07					
Sulfate	10.0	0.500	mg/L	10.0		100	80-120		
Chloride	10.8	0.500	"	10.0		108	80-120		
Calibration Check (EF71204-CCV1)				Prepared & Analyzed: 06/12/07					
Chloride	10.8		mg/L	10.0		108	80-120		
Sulfate	10.0		"	10.0		100	80-120		
Duplicate (EF71204-DUP1)				Source: 7F06020-03 Prepared & Analyzed: 06/12/07					
Sulfate	4550	250	mg/L		4670		2.60	20	
Chloride	17500	250	"		18100		3.37	20	
Matrix Spike (EF71204-MS1)				Source: 7F06020-03 Prepared & Analyzed: 06/12/07					
Chloride	21100	250	mg/L	5000	18100	60.0	80-120		QM-10
Sulfate	7770	250	"	5000	4670	62.0	80-120		QM-10

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

Project: EME Jct. K-6
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 EF71309 - General Preparation (WetChem)

Blank (EF71309-BLK1)

Prepared & Analyzed: 06/13/07

Total Alkalinity	ND	2.00	mg/L							
Carbonate Alkalinity	ND	0.100	"							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							

LCS (EF71309-BS1)

Prepared & Analyzed: 06/13/07

Bicarbonate Alkalinity	174	2.00	mg/L	200		87.0	85-115			
------------------------	-----	------	------	-----	--	------	--------	--	--	--

Duplicate (EF71309-DUP1)

Source: 7F06017-02

Prepared & Analyzed: 06/13/07

Total Alkalinity	348	2.00	mg/L	348				0.00	20	
------------------	-----	------	------	-----	--	--	--	------	----	--

Reference (EF71309-SRM1)

Prepared & Analyzed: 06/13/07

Total Alkalinity	250		mg/L	250		100	90-110			
------------------	-----	--	------	-----	--	-----	--------	--	--	--

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

Project: EME Jct. K-6
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 EF70807 - 6010B/No Digestion

Blank (EF70807-BLK1)

Prepared & Analyzed: 06/08/07

Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							

Calibration Check (EF70807-CCV1)

Prepared & Analyzed: 06/08/07

Calcium	1.78		mg/L	2.00		89.0	85-115			
Magnesium	1.83		"	2.00		91.5	85-115			
Potassium	2.28		"	2.00		114	85-115			
Sodium	1.82		"	2.00		91.0	85-115			

Duplicate (EF70807-DUP1)

Source: 7F05011-03

Prepared & Analyzed: 06/08/07

Calcium	139	4.05	mg/L		139			0.00	20	
Magnesium	29.5	0.360	"		29.8			1.01	20	
Potassium	6.37	0.600	"		6.57			3.09	20	
Sodium	121	2.15	"		124			2.45	20	

Batch EF70808 - 6010B/No Digestion

Blank (EF70808-BLK1)

Prepared & Analyzed: 06/08/07

Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							

Calibration Check (EF70808-CCV1)

Prepared & Analyzed: 06/08/07

Calcium	2.02		mg/L	2.00		101	85-115			
Magnesium	1.99		"	2.00		99.5	85-115			
Potassium	2.14		"	2.00		107	85-115			
Sodium	1.97		"	2.00		98.5	85-115			

Environmental Lab of Texas

A Xenco Laboratories Company

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.

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

Project: EME Jct. K-6
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 EF70808 - 6010B/No Digestion

Duplicate (EF70808-DUP1)

Source: 7F06021-02

Prepared & Analyzed: 06/08/07

Calcium	796	20.2	mg/L		812			1.99	20	
Magnesium	278	1.80	"		280			0.717	20	
Potassium	27.9	3.00	"		26.4			5.52	20	
Sodium	6230	215	"		6350			1.91	20	

Environmental Lab of Texas

A Xenco Laboratories Company

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 10 of 11

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

Project: EME Jct. K-6
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Notes and Definitions

QM-10 LCS/LCSD were analyzed in place of MS/MSD.
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

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

Environmental Lab of Texas
A Xenco Laboratories Company

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 11 of 11

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

Client: Rice
Date/ Time: 6-6-07 12:51
Lab ID #: 7F06021
Initials: AL

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	<u>Yes</u>	No	<u>2.0</u> °C	
#2 Shipping container in good condition?	<u>Yes</u>	No		
#3 Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present	
#5 Chain of Custody present?	<u>Yes</u>	No		
#6 Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#7 Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#8 Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11 Containers supplied by ELOT?	<u>Yes</u>	No		
#12 Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13 Samples properly preserved?	<u>Yes</u>	No	See Below	
#14 Sample bottles intact?	<u>Yes</u>	No		
#15 Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16 Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17 Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18 All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19 Subcontract of sample(s)?	<u>Yes</u>	No	Not Applicable	
#20 VOC samples have zero headspace?	<u>Yes</u>	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 STREET
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 08/23/07
Reporting Date: 08/30/07
Project Owner: NOT GIVEN
Project Name: EME JUNCTION K-6
Project Location: T20S-R37E-SEC6 K-LEA COUNTY, NM

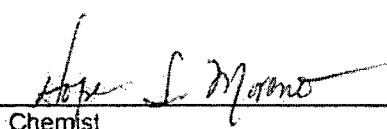
Sampling Date: 08/22/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: KS
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (uS/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		08/30/07	08/30/07	08/30/07	08/30/07	08/24/07	08/29/07
H13165-1	MONITOR WELL #1	7487	745	363	21.3	33,600	300
H13165-2	MONITOR WELL #2	7794	971	351	20.7	35,300	264
H13165-3	MONITOR WELL #3	7055	632	278	23.9	31,600	260
Quality Control		NR	50.6	51.6	1.91	1417	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	101	103	95.7	100	NR
Relative Percent Difference		NR	2.5	4.8	1.6	0.2	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
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		Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		08/24/07	08/27/07	08/29/07	08/29/07	08/24/07	08/29/07
H13165-1	MONITOR WELL #1	10,697	4,121	0	366	6.64	23,804
H13165-2	MONITOR WELL #2	11,297	4,480	0	322	6.58	25,454
H13165-3	MONITOR WELL #3	9797	3,871	0	317	6.72	22,420
Quality Control		500	26.1	NR	964	6.94	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	104	NR	96.4	99.1	NR
Relative Percent Difference		3.9	2.8	NR	2.6	0.1	NR

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

08-31-07
Date



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
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 08/23/07
Reporting Date: 08/29/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION K-6
Project Location: T20S-R37E-SEC6 K ~ LEA COUNTY, NM

Sampling Date: 08/22/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: KS
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		08/29/07	08/29/07	08/29/07	08/29/07
H13165-1	MONITOR WELL #1	<0.002	<0.002	<0.002	<0.006
H13165-2	MONITOR WELL #2	<0.002	<0.002	<0.002	<0.006
H13165-3	MONITOR WELL #3	<0.002	<0.002	<0.002	<0.006
Quality Control		0.091	0.093	0.094	0.265
True Value QC		0.100	0.100	0.100	0.300
% Recovery		90.9	92.9	94.0	88.3
Relative Percent Difference		2.1	1.8	0.6	0.2

METHOD: EPA SW-846 8260


Chemist


Date



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

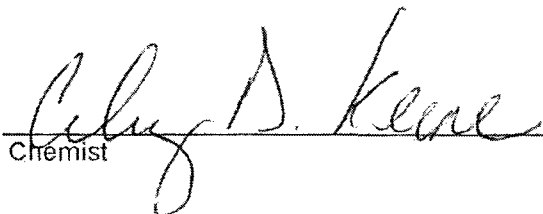
ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

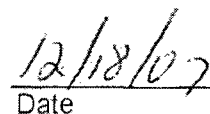
Receiving Date: 12/14/07
Reporting Date: 12/17/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION K-6
Project Location: T20S-R37E-SEC6 K ~ LEA CO., NM

Sampling Date: 12/11/07
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		12/17/07	12/17/07	12/17/07	12/17/07
H13925-1	MONITOR WELL #1	0.004	<0.001	0.002	<0.003
H13925-2	MONITOR WELL #2	<0.001	<0.001	<0.001	<0.003
H13925-3	MONITOR WELL #3	<0.001	<0.001	<0.001	<0.003
Quality Control		0.105	0.096	0.096	0.302
True Value QC		0.100	0.100	0.100	0.300
% Recovery		105	96	96	101
Relative Percent Difference		1.4	2.8	3.1	3.8

METHOD: EPA SW-846 8021B


Cheryl D. Keene
Chemist


12/18/07
Date

H13925b Rice

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

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:

RICE Operating Company

BILL TO: Company:

RICE Operating Company

PO#

Address: (Street, City, Zip)
122 W Taylor Street ~ Hobbs, New Mexico 88240

Project Manager:

Kristin Farris-Pope, Project Scientist

Phone#:

Address: (Street, City, Zip)
122 W Taylor Street ~ Hobbs, New Mexico 88240

Fax#:

(505) 393-9174

Phone #:

(505) 393-9174

Fax #:

(505) 397-1471

Project #:

Project Name:
EME Junction K-6

Project Location:

T20S-R37E-Sec6 K ~ 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

WATER

SOIL

AIR

SLUDGE

HCL (2.43ml VOA)

HNO₃

NaHSO₄

H₂SO₄

ICE (1-Liter HDPE)

NONE

DATE (2007)

TIME

8-22 10:35

8-22 9:25

8-22 8:40

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

PCBs 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

Relinquished by:

Date: 8-23-07

Time: 3:12

Received by:

Date: 8/23/07

Time: 3:12

Relinquished by:

Date:

Time:

Received By: (Laboratory Staff)

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool

Yes

No

Intact

Yes

No

CHECKED BY:

(Initials) KS

Phone Results

Yes

No

Fax Results

Yes

No

Additional Fax Number:

REMARKS:

[illegible]

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

 Receiving Date: 12/14/07
 Reporting Date: 12/20/07
 Project Number: NOT GIVEN
 Project Name: EME JUNCTION K-6
 Project Location: T20S-R37E-SEC6 K-LEA COUNTY, NM

 Sampling Date: 12/11/07
 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 (μ S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		12/19/07	12/18/07	12/18/07	12/19/07	12/18/07	12/18/07
H13925-1	MONITOR WELL #1	8,474	848	373	24.2	34,300	580
H13925-2	MONITOR WELL #2	9,294	981	383	19.5	35,600	520
H13925-3	MONITOR WELL #3	8,460	715	303	28.4	31,900	520
Quality Control		NR	49.2	54.0	3.19	1,411	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	98.5	108	106	99.9	NR
Relative Percent Difference		NR	< 0.1	6.1	10.2	0.7	NR

METHODS:	SM3500-Ca-D	3500-Mg-E	8049	120.1	310.1
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		Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		12/18/07	12/19/07	12/18/07	12/18/07	12/18/07	12/14/07
H13925-1	MONITOR WELL #1	12,400	3,900	0	708	6.88	23,684
H13925-2	MONITOR WELL #2	13,400	4,670	0	634	6.85	25,069
H13925-3	MONITOR WELL #3	11,600	4,420	0	634	6.90	21,914
Quality Control		490	27.8	NR	1000	7.06	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		98.0	111	NR	100	101	NR
Relative Percent Difference		2.0	17.4	NR	< 0.1	0.3	NR

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

Chemist

Date

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1
 SYSTEM: EME DATE: June 5, 2007
 SITE LOCATION: Junction K-6 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: 40.41 Feet
 DEPTH TO WATER: 33.54 Feet
 HEIGHT OF WATER COLUMN: 6.87 Feet
 WELL VOLUME: 1.1 Gal. 2 In. Well Diameter
4 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
11:25	21.7	33.14	6.63	Septic Odor / Gray in Color / Sheen
				Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS: Well pumps off, well is purged by bailer.
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 8, 2007
 SITE LOCATION: Junction K-6 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: 40.41 Feet
 DEPTH TO WATER: 33.76 Feet
 HEIGHT OF WATER COLUMN: 6.65 Feet
 WELL VOLUME: 1.1 Gal. 2 In. Well Diameter
4 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
15:50	19.5	34.02	6.68	Septic Odor / Gray in Color / 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: December 11, 2007
 SITE LOCATION: Junction K-6 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: 40.41 Feet
 DEPTH TO WATER: 33.65 Feet
 HEIGHT OF WATER COLUMN: 6.76 Feet
 WELL VOLUME: 1.1 Gal. 2 In. Well Diameter
5 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
12:30	18.4	32.75	6.85	Septic Odor / Gray in Color / 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 Laboratories 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 22, 2007
 SITE LOCATION: Junction K-6 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: 40.41 Feet
 DEPTH TO WATER: 33.61 Feet
 HEIGHT OF WATER COLUMN: 6.80 Feet
 WELL VOLUME: 1.1 Gal. 2 In. Well Diameter
5 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
10:35	20.5	33.51	6.65	Septic Odor / Gray in Color / 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 Laboratories 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 5, 2007
SITE LOCATION: Junction K-6 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: 48.08 Feet

DEPTH TO WATER: 31.05 Feet

HEIGHT OF WATER COLUMN: 17.03 Feet

WELL VOLUME: 2.7 Gal.

2 In. Well Diameter

10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
10:30	20.2	34.61	6.63	Clear / 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 #2
 SYSTEM: EME DATE: March 8, 2007
 SITE LOCATION: Junction K-6 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: 48.08 Feet
 DEPTH TO WATER: 31.23 Feet
 HEIGHT OF WATER COLUMN: 16.85 Feet
 WELL VOLUME: 2.7 Gal. 2 In. Well Diameter
10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
14:10	19.2	35.12	6.65	Clear / 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 #2
 SYSTEM: EME DATE: December 11, 2007
 SITE LOCATION: Junction K-6 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: 48.08 Feet
 DEPTH TO WATER: 31.15 Feet
 HEIGHT OF WATER COLUMN: 16.93 Feet
 WELL VOLUME: 2.7 Gal. 2 In. Well Diameter
10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
11:40	18.4	33.79	6.83	Clear / 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 Laboratories 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 22, 2007
 SITE LOCATION: Junction K-6 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: 48.08 Feet
 DEPTH TO WATER: 31.11 Feet
 HEIGHT OF WATER COLUMN: 16.97 Feet
 WELL VOLUME: 2.7 Gal. 2 In. Well Diameter
10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
9:25	20.4	34.61	6.67	Clear / 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 Laboratories 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 5, 2007
 SITE LOCATION: Junction K-6 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: 46.93 Feet
 DEPTH TO WATER: 33.95 Feet
 HEIGHT OF WATER COLUMN: 12.98 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	20.2	31.43	6.64	Clear / 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 8, 2007
 SITE LOCATION: Junction K-6 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: 46.93 Feet
 DEPTH TO WATER: 34.18 Feet
 HEIGHT OF WATER COLUMN: 12.75 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
15:00	19.5	32.56	6.69	Clear / 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: December 11, 2007
 SITE LOCATION: Junction K-6 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: 46.93 Feet
 DEPTH TO WATER: 34.12 Feet
 HEIGHT OF WATER COLUMN: 12.81 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	18.5	30.22	6.91	Clear / 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 Laboratories 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 22, 2007
SITE LOCATION: Junction K-6 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: 46.93 Feet
DEPTH TO WATER: 34.02 Feet
HEIGHT OF WATER COLUMN: 12.91 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
8:40	20.3	31.57	6.65	Clear / 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 Laboratories in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

