

AP - 43

**ANNUAL
MONITORING REPORT**

YEAR(S):
2004

RICE Operating Company

122 West Taylor • Hobbs, New Mexico 88240
Phone: (505)393-9174 • Fax: (505) 397-1471

CERTIFIED MAIL

RETURN RECEIPT NO. 7002 2410 0000 4940 1862

January 24, 2005

Mr. Wayne Price
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

**RE: 2004 MONITOR WELL REPORT/SAMPLING SUMMARY
JCT. A-20, EME SWD SYSTEM
UNIT 'A', SEC. 20, T20S, R37E
NMOCD CASE #1R0427-89**

Mr. Price:

Rice Operating Company (ROC) takes this opportunity to submit the 2004 Monitor Well Report for the EME Jct. A-20 site located in the Eunice Monument Eumont (EME) Salt Water Disposal (SWD) System. One monitoring well was installed in 2002 during delineation as part of the Junction Box Upgrade Program. This well is sampled quarterly pursuant to NMOCD guidelines. In 2004, ROC and Basin Environmental Service Technologies (Basin) of Lovington sampled the well. In 2005, Arcadis G&M, Inc. (Arcadis) of Midland, Texas will sample the well and Environmental Lab of Texas of Odessa will continue to conduct analytical tests of the water samples.

Arcadis has been contracted by ROC to address groundwater concerns at this. NMOCD may expect the submission of an Investigation & Characterization Plan (ICP) this year.

Soon after the well was installed, phase-separated hydrocarbon (PSH) was found on the water. ROC has actively worked at recovering the PSH in the well by hand bailing or by using an absorbent sock. In September of 2004 Basin assumed the maintenance and weekly replacement of the socks; PSH thickness and volume are measured weekly. Until an alternate recovery

method is submitted by Arcadis and approved by NMOCD, Basin will continue weekly recovery in 2005.

ROC is the service provider (operator) for the EME Salt Water Disposal 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.

RICE OPERATING COMPANY

A handwritten signature in cursive script that reads "Kristin Farris Pope".

Kristin Farris Pope
Project Scientist

enclosures: Summary table & graph
 PSH measurement tables
 Analytical results
 Map

cc: LBG, CDH, Arcadis, file, Rob Roy Industries,

Chris Williams
NMOCD, District I Office
1625 N. French Drive
Hobbs, NM 88240

EME Jct. A-20
Unit 'A', Sec. 20, T20S, R37E

All concentrations are in mg/L.

MW #	DEPTH TO WATER * (ft)	TOTAL DEPTH	WELL VOLUME (gal)	VOLUME PURGED	SAMPLE DATE	Cl ⁻	TDS	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	COMMENTS
1	24.70	38.40	2,200	6.70	03/05/02	2279	5044	<0.002	0.003	0.006	0.014	
1	25.62	38.22	2,000	6.00	05/13/02	2100	4840	XXX	XXX	XXX	XXX	12" oil
1	26.00	38.25	1,960	6.00	08/22/02	2130	4890	XXX	XXX	XXX	XXX	15.5" oil
1	24.97	38.25	2,125	6.50	11/12/02	2130	5070	XXX	XXX	XXX	XXX	oil film
1	26.20	38.00	0,280	0.80	03/14/03	1120	5020	XXX	XXX	XXX	XXX	
1	23.20	26.00	0,448	1.30	06/05/03	2130	4500	XXX	XXX	XXX	XXX	
1	23.42	26.00	0,400	1.20	09/03/03	2130	5240	XXX	XXX	XXX	XXX	
1	23.20	26.00	0,448	1.30	12/10/03	2390	4870	XXX	XXX	XXX	XXX	
1	25.64	26.50	0,860	2.50	02/26/04	2300	4900	XXX	XXX	XXX	XXX	
1	23.02	26.00	0,448	1.30	05/27/04	1910	4480	XXX	XXX	XXX	XXX	
1	XXX	XXX	XXX	XXX	9/16/04	2360	5340	XXX	XXX	XXX	XXX	
1	24.53	38.36	2,210	6.60	11/24/04	1930	5110	XXX	XXX	XXX	XXX	oil, strong odor, gray



* Depth to water measured from top of casing
Casing is 2.875 ft.

FIELD MEASUREMENT/OBSERVATION LOG

BASIN

ENVIRONMENTAL

PROJECT NAME:
Rice Operating Company

PROJECT NUMBER:
EME Jct. A-20 (PO# 510)

LEAK NUMBER:

PROJECT MANAGER:
Kristin Farris Pope - Rice Operating Company

FIELD TECHNICIAN:
Rozanne Johnson - Basin Environmental

DATE: Weekly Gauge Starting
September 2, 2004

WELL # /SAMPLE LOCATION	TOTAL WELL DEPTH (feet)	DEPTH TO PRODUCT (feet)	DEPTH TO WATER (feet)	HEIGHT WATER COLUMN (feet)	PSH THICKNESS (feet)	WELL FACTOR 2"= .16 4"= .65 6"=1.5	PSH Removed (gallons)	Water Removed (gallons)	TOTAL PURGED (gal)	Temp (°C)	pH	Cond. (µs)	DATE/TIME SAMPLE TAKEN	Comments
MW-1		25.15	25.16		0.01		0.2	1.0	1.2				9/2/04-9:50	2.7" Sock Stained to 2.7" Sock Replaced
MW-1		25.09	25.10		0.01		0.1	1.0	1.1				9/9/04-14:20	2.7" Sock Stained to 0.45" Sock Replaced
MW-1		25.30	25.31		0.01		0.1	0.5	0.6				9/16/04 - 11:10	2.7" Sock Stained to 0.65" Sock Replaced
MW-1		25.25	25.26		0.01		0.1	0.2	0.3				9/23/04 - 17:20	2.7" Sock Stained to 0.9" Sock Replaced
MW-1		25.14	25.16		0.02		0.1	0.3	0.4				9/30/04 - 14:10	2.7" Sock Stained to 0.85" Sock Replaced
MW-1		25.05	25.07		0.02		0.2	0.5	0.7				10/8/04 - 7:45	2.7" Sock Stained to 1.8" Sock Replaced / Well level has changed due to rainfall.
MW-1		24.66	24.67		0.01		0.2	0.8	1.0				10/14/04 - 12:45	2.7" Sock Stained to 1.4" Sock Replaced / Well level has changed due to rainfall.
MW-1		24.65	24.65		0.00		0.1	0.4	0.5				10/21/04 - 13:09	2.7" Sock Stained to 0.9" Sock Replaced / Heavy Skim of Hydrocarbon
MW-1		24.62	24.63		0.01		0.3	1.2	1.5				10/28/04 - 14:17	2" Sock stained to 0.75" / Sock Replaced / Heavy Skim of Hydrocarbon
MW-1		24.61	24.62		0.01		0.1	0.9	1.0				11/04/04 - 16:16	2" Sock stained to 10" / Sock Replaced / Light Skim of Hydrocarbon
MW-1		24.60	24.60		0.00		0.1	0.3	0.4				11/11/04 - 14:02	2" Sock stained to 10" / Sock Replaced / Light Skim of Hydrocarbon
MW-1		24.58	24.59		0.01		0.1	0.3	0.4				11/17/04 - 14:07	2" Sock stained to 10" / Sock Replaced / Light Skim of Hydrocarbon
MW-1		24.50	24.53		0.03		1.0	5.6	6.6				11/24/04 - 16:40	2" Sock stained to 1" / Sock Replaced / Heavy Skim of Hydrocarbon / Well Purged for Sampling / Well Level Changed due to recent Rains.
MW-1														
MW-1														
MW-1														
MW-1														

BASIN

FIELD MEASUREMENT/OBSERVATION LOG

ENVIRONMENTAL

PROJECT NAME:
Rice Operating Company

PROJECT NUMBER:
EME jct. A-20 (PO# 510)

LEAK NUMBER:

PROJECT MANAGER:

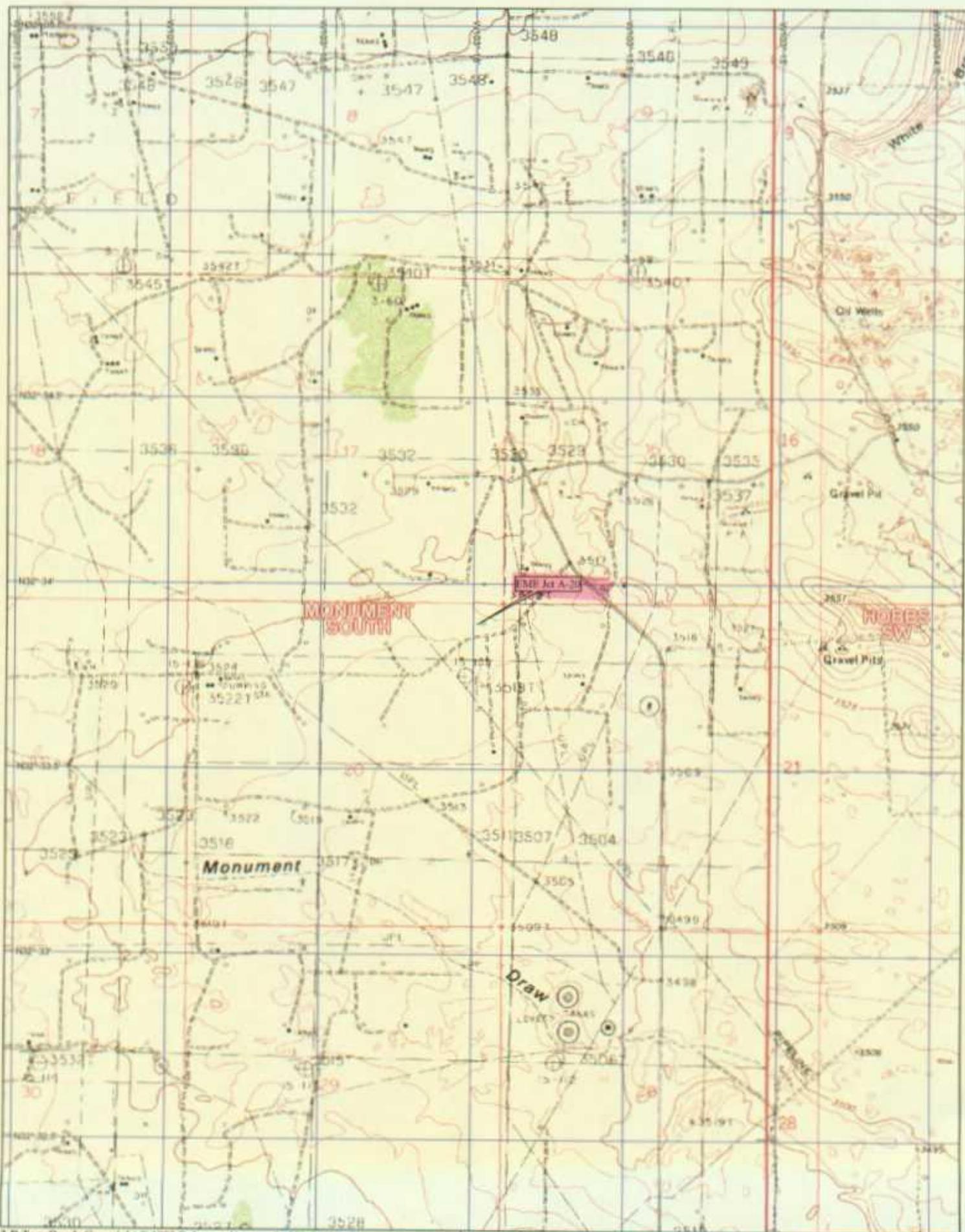
Kristin Farris Pope - Rice Operating Company

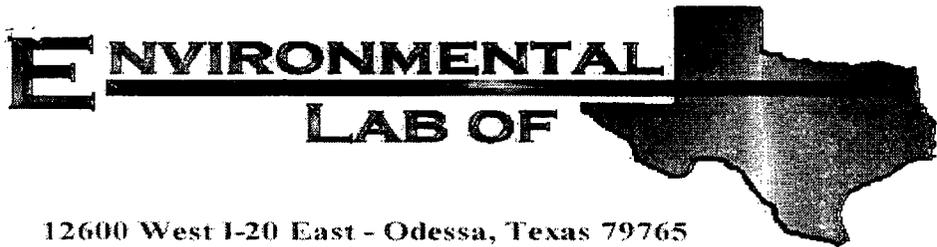
FIELD TECHNICIAN:

Rozanne Johnson - Basin Environmental

DATE: Weekly Gauge Starting
September 2, 2004

WELL # /SAMPLE LOCATION	TOTAL WELL DEPTH (feet)	DEPTH TO PRODUCT (feet)	DEPTH TO WATER COLUMN (feet)	HEIGHT WATER COLUMN (feet)	PSH THICKNES S (feet)	WELL FACTOR 2"=.16 4"=.66 6"=1.5	PSH Removed (gallons)	Water Removed (gallons)	TOTAL PURGED (gall)	Temp (°C)	pH	Cond. (µs)	DATE/TIME SAMPLE TAKEN	Comments
MW-1		25.05	25.07		0.02		0.2	0.5	0.7				10/8/04 - 7:45	2.7" Sock Stained to 1.8" Sock Replaced / Well level has changed due to rainfall.
MW-1		24.66	24.67		0.01		0.2	0.8	1.0				10/14/04 - 12:45	2.7" Sock Stained to 1.4" Sock Replaced / Well level has changed due to rainfall.
MW-1		24.65	24.65		0.00		0.1	0.4	0.5				10/21/04 - 13:09	2.7" Sock Stained to 0.9" Sock Replaced / Heavy Skim of Hydrocarbon
MW-1		24.62	24.63		0.01		0.3	1.2	1.5				10/28/04 - 14:17	2" Sock stained to 0.9" / Sock Replaced / Heavy Skim of Hydrocarbon
MW-1		24.61	24.62		0.01		0.1	0.9	1.0				11/04/04 - 16:16	2" Sock stained to 0.75" / Sock Replaced / Heavy Skim of Hydrocarbon
MW-1		24.60	24.60		0.00		0.1	0.3	0.4				11/11/04 - 14:02	2" Sock stained to 10" / Sock Replaced / Light Skim of Hydrocarbon
MW-1		24.58	24.59		0.01		0.1	0.3	0.4				11/17/04 - 14:07	2" Sock stained to 10" / Sock Replaced / Light Skim of Hydrocarbon
MW-1		24.50	24.53		0.03		1.0	5.6	6.6				11/24/04 - 16:40	2" Sock stained to 17" Sock Replaced / Heavy Skim of Hydrocarbon / Well Purged for Sampling / Well Level Changed due to recent Rains.
MW-1		24.39	24.43		0.04		0.7	1.6	2.0				12/01/04 - 13:54	2" Sock stained to 10" / Sock Replaced / Very Heavy Skim of Hydrocarbon
MW-1		24.33	24.48		0.15		1.0	3.0	4.0				12/09/04 - 14:15	2" Sock stained to 11" / Sock Replaced / Heavy Skim of Hydrocarbon
MW-1		24.32	24.38		0.06		0.4	3.6	4.0				12/15/04 - 15:53	2" Sock stained to 15" / Sock Replaced / Very Heavy Skim of Hydrocarbon
MW-1		PSH RECOVERY NOT DONE DUE TO EXTREME WEATHER												
MW-1		24.22	24.44		0.22		1.0	2.0	3.0				12/30/04 - 8:50	2" Sock stained to 14" / Sock Replaced





12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: A-20
Project Number: None Given
Location: EME

Lab Order Number: 4C01008

Report Date: 03/09/04

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: A-20 Project Number: None Given Project Manager: Kristin Farris	Fax: (505) 397-1471 Reported: 03/09/04 08:21
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW 1	4C01008-01	Water	02/26/04 14:30	02/28/04 08:30

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

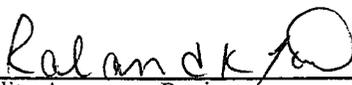
Reported:
03/09/04 08:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 1 (4C01008-01)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EC40105	02/28/04	02/28/04	EPA 310.2M	
Bicarbonate Alkalinity	384	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	2300	5.00	"	"	EC40307	03/02/04	03/02/04	EPA 325.3	
Total Dissolved Solids	4900	5.00	"	"	EC40203	03/02/04	03/02/04	EPA 160.1	
Sulfate	588	0.500	"	"	EB42806	02/28/04	02/28/04	EPA 375.4	

Environmental Lab of Texas

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


Quality Assurance Review

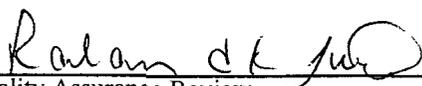
Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: A-20 Project Number: None Given Project Manager: Kristin Farris	Fax: (505) 397-1471 Reported: 03/09/04 08:21
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Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 1 (4C01008-01)									
Calcium	232	1.00	mg/L	100	EC40805	03/04/04	03/08/04	EPA 6010B	
Magnesium	188	0.100	"	"	"	"	"	"	
Potassium	23.0	0.500	"	10	"	"	03/08/04	"	
Sodium	968	1.00	"	100	"	"	03/08/04	"	

Environmental Lab of Texas

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Quality Assurance Review

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
03/09/04 08:21

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
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Batch EB42806 - General Preparation (WetChem)

Blank (EB42806-BLK1)				Prepared & Analyzed: 02/28/04						
Sulfate	ND	0.500	mg/L							

Calibration Check (EB42806-CCV1)				Prepared & Analyzed: 02/28/04						
Sulfate	50.6		mg/L	50.0		101	80-120			

Duplicate (EB42806-DUP1)				Source: 4B26003-01		Prepared & Analyzed: 02/28/04				
Sulfate	34.6	0.500	mg/L		35.0			1.15	20	

Batch EC40105 - General Preparation (WetChem)

Blank (EC40105-BLK1)				Prepared & Analyzed: 02/28/04						
Carbonate Alkalinity	ND	0.100	mg/L							

Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							

Calibration Check (EC40105-CCV1)				Prepared & Analyzed: 02/28/04						
Carbonate Alkalinity	0.0496		mg/L	0.0500		99.2	80-120			

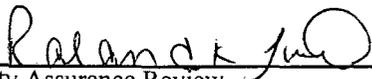
Duplicate (EC40105-DUP1)				Source: 4C01008-01		Prepared & Analyzed: 02/28/04				
Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	385	2.00	"		384			0.260	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

Batch EC40203 - General Preparation (WetChem)

Blank (EC40203-BLK1)				Prepared & Analyzed: 03/02/04						
Total Dissolved Solids	ND	5.00	mg/L							

Environmental Lab of Texas

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Quality Assurance Review

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

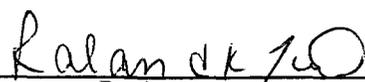
Reported:
03/09/04 08:21

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 EC40203 - General Preparation (WetChem)										
Duplicate (EC40203-DUP1) Source: 4C01008-01 Prepared & Analyzed: 03/02/04										
Total Dissolved Solids	4930	5.00	mg/L		4900			0.610	20	
Batch EC40307 - General Preparation (WetChem)										
Blank (EC40307-BLK1) Prepared & Analyzed: 03/02/04										
Chloride	ND	5.00	mg/L							
Calibration Check (EC40307-CCV1) Prepared & Analyzed: 03/02/04										
Chloride	4960		mg/L	5000		99.2	80-120			
Matrix Spike (EC40307-MS1) Source: 4C01008-01 Prepared & Analyzed: 03/02/04										
Chloride	4780		mg/L	2500	2300	99.2	80-120			
Matrix Spike Dup (EC40307-MSD1) Source: 4C01008-01 Prepared & Analyzed: 03/02/04										
Chloride	4830		mg/L	2500	2300	101	80-120	1.04	20	

Environmental Lab of Texas

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Quality Assurance Review

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
03/09/04 08:21

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 EC40805 - General Preparation (Metals)

Blank (EC40805-BLK1)

Prepared: 03/04/04 Analyzed: 03/08/04

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EC40805-CCV1)

Prepared: 03/04/04 Analyzed: 03/08/04

Calcium	2.27		mg/L	2.00		114	85-115			
Magnesium	2.06		"	2.00		103	85-115			
Potassium	2.02		"	2.00		101	85-115			
Sodium	2.25		"	2.00		112	85-115			

Duplicate (EC40805-DUP1)

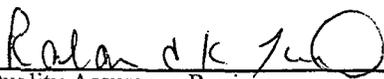
Source: 4B26006-01

Prepared: 03/04/04 Analyzed: 03/08/04

Calcium	83.0	0.100	mg/L		80.3			3.31	20	
Magnesium	46.4	0.0100	"		44.9			3.29	20	
Potassium	9.37	0.0500	"		9.26			1.18	20	
Sodium	148	1.00	"		150			1.34	20	

Environmental Lab of Texas

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Quality Assurance Review

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

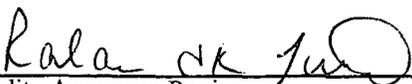
Reported:
03/09/04 08:21

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

Environmental Lab of Texas

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Quality Assurance Review

Page 7 of 7

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

Client: Rice Operating Co.

Date/Time: 02-28-04 @ 0830

Order #: 4C01008

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	No	4	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No		
Custody Seals intact on shipping container/cooler?	Yes	No	<input checked="" type="checkbox"/> Not present	
Custody Seals intact on sample bottles?	Yes	No	<input checked="" type="checkbox"/> Not present	
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No		
Chain of custody agrees with sample label(s)	Yes	No	NO LABEL	
Container labels legible and intact?	Yes	No	NO LABEL	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No		
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No		
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No		
VOC samples have zero headspace?	Yes	No	<input checked="" type="checkbox"/> Not Applicable	

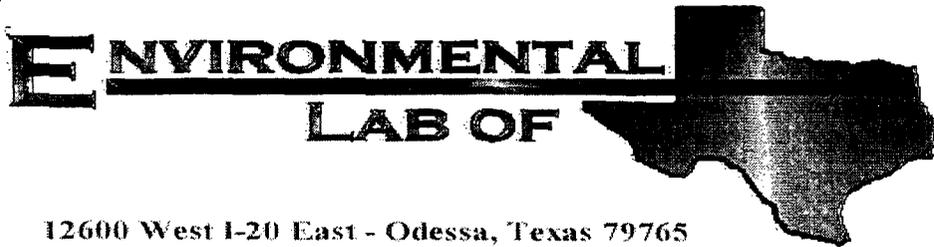
Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: A-20
Project Number: None Given
Location: EME

Lab Order Number: 4E29004

Report Date: 06/04/04

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
06/04/04 16:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well 1	4E29004-01	Water	05/27/04 11:00	05/28/04 16:30

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
06/04/04 16:50

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 (4E29004-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EF40408	05/29/04	05/29/04	EPA 310.2M	
Bicarbonate Alkalinity	680	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	1910	5.00	"	"	EF40407	06/03/04	06/03/04	EPA 325.3M	
Total Dissolved Solids	4480	5.00	"	"	EF40310	06/01/04	06/02/04	EPA 160.1	
Sulfate	273	2.50	"	5	EF40418	06/04/04	06/04/04	EPA 375.4,	

Environmental Lab of Texas

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


Quality Assurance Review

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

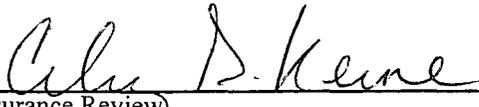
Reported:
06/04/04 16:50

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well 1 (4E29004-01) Water									
Calcium	174	1.00	mg/L	100	EF40416	06/02/04	06/02/04	EPA 6010B	
Magnesium	214	0.100	"	"	"	"	"	"	
Potassium	26.4	0.500	"	10	"	"	06/02/04	"	
Sodium	1040	10.0	"	1000	"	"	06/02/04	"	

Environmental Lab of Texas

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


Quality Assurance Review

Page 3 of 7

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
06/04/04 16:50

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 EF40310 - Filtration Preparation

Blank (EF40310-BLK1)

Prepared: 06/01/04 Analyzed: 06/02/04

Total Dissolved Solids ND 5.00 mg/L

Duplicate (EF40310-DUP1)

Source: 4E29001-01

Prepared: 06/01/04 Analyzed: 06/02/04

Total Dissolved Solids 831 5.00 mg/L 830 0.120 20

Batch EF40407 - General Preparation (WetChem)

Blank (EF40407-BLK1)

Prepared & Analyzed: 06/03/04

Chloride ND 5.00 mg/L

Matrix Spike (EF40407-MS1)

Source: 4E29001-01

Prepared & Analyzed: 06/03/04

Chloride 709 5.00 mg/L 500 213 99.2 80-120

Matrix Spike Dup (EF40407-MSD1)

Source: 4E29001-01

Prepared & Analyzed: 06/03/04

Chloride 700 5.00 mg/L 500 213 97.4 80-120 1.28 20

Reference (EF40407-SRM1)

Prepared & Analyzed: 06/03/04

Chloride 4960 mg/L 5000 99.2 80-120

Batch EF40408 - General Preparation (WetChem)

Blank (EF40408-BLK1)

Prepared & Analyzed: 05/29/04

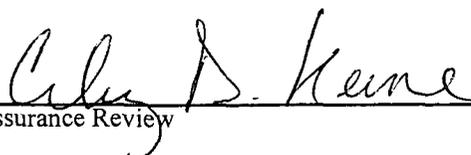
Carbonate Alkalinity ND 0.100 mg/L

Bicarbonate Alkalinity ND 2.00 "

Hydroxide Alkalinity ND 0.100 "

Environmental Lab of Texas

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


Quality Assurance Review

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
06/04/04 16:50

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 EF40408 - General Preparation (WetChem)

Duplicate (EF40408-DUP1)		Source: 4E29001-01		Prepared & Analyzed: 05/29/04						
Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	214	2.00	"		214			0.00	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

Reference (EF40408-SRM1)

Reference (EF40408-SRM1)		Prepared & Analyzed: 05/29/04								
Carbonate Alkalinity	0.0496		mg/L	0.0500		99.2	80-120			

Batch EF40418 - General Preparation (WetChem)

Blank (EF40418-BLK1)		Prepared & Analyzed: 06/04/04								
Sulfate	ND	0.500	mg/L							

Calibration Check (EF40418-CCV1)

Calibration Check (EF40418-CCV1)		Prepared & Analyzed: 06/04/04								
Sulfate	49.2		mg/L	50.0		98.4	80-120			

Duplicate (EF40418-DUP1)

Duplicate (EF40418-DUP1)		Source: 4E29001-01		Prepared & Analyzed: 06/04/04						
Sulfate	140	1.00	mg/L		138			1.44	20	

Environmental Lab of Texas

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Quality Assurance Review

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
06/07/04 15:49

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 EF40416 - General Preparation (Metals)

Blank (EF40416-BLK1)

Prepared & Analyzed: 06/02/04

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EF40416-CCV1)

Prepared & Analyzed: 06/02/04

Calcium	2.08		mg/L	2.00		104	85-115			
Magnesium	2.29		"	2.00		114	85-115			
Potassium	1.97		"	2.00		98.5	85-115			
Sodium	1.93		"	2.00		96.5	85-115			

Duplicate (EF40416-DUP1)

Source: 4E29001-01

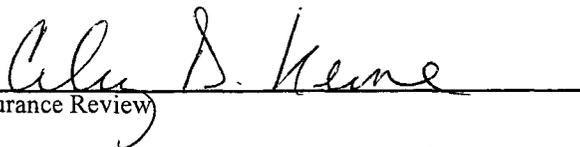
Prepared & Analyzed: 06/02/04

Calcium	165	1.00	mg/L		170			2.99	20	
Magnesium	29.9	0.0100	"		29.3			2.03	20	
Potassium	4.76	0.0500	"		4.82			1.25	20	
Sodium	96.5	0.100	"		96.8			0.310	20	

Environmental Lab of Texas

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Quality Assurance Review



Page 6 of 7

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

Project: A-20
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

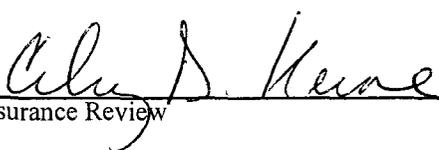
Reported:
06/04/04 16:50

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

Environmental Lab of Texas

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


Quality Assurance Review

Page 7 of 7

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

Client: Rice Operating Co.

Date/Time: 05-29-04 @ 1030

Order #: 4E29004

Initials: JMM

Sample Receipt Checklist

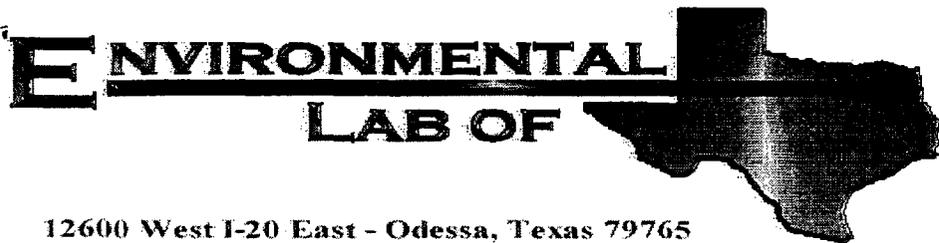
Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	No	17.5	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No		
Custody Seals intact on shipping container/cooler?	Yes	No	<input checked="" type="checkbox"/> Not present	
Custody Seals intact on sample bottles?	Yes	No	<input checked="" type="checkbox"/> Not present	
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Chain of Custody signed when relinquished and received?	Yes	No	missing 1st rec. signature	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No		
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No		
Samples properly preserved?	Yes	No	should be 4°C ± 2°C	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable	

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Jct. A-20
Project Number: None Given
Location: EME

Lab Order Number: 4I17010

Report Date: 09/28/04

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
09/28/04 08:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4117010-01	Water	09/16/04 11:10	09/17/04 14:15

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
09/28/04 08:18

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4117010-01) Water									
Carbonate Alkalinity	ND	0.500	mg/L	5	E142722	09/17/04	09/17/04	EPA 310.2M	
Bicarbonate Alkalinity	450	10.0	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.500	"	"	"	"	"	"	
Chloride	2360	5.00	"	1	E142704	09/24/04	09/24/04	EPA 325.3M	
Total Dissolved Solids	5340	10.0	"	2	E142719	09/22/04	09/22/04	EPA 160.1	
Sulfate	568	6.25	"	12.5	E142706	09/27/04	09/27/04	EPA 375.4	

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
09/28/04 08:18

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4117010-01) Water									
Calcium	270	1.00	mg/L	100	E142107	09/20/04	09/20/04	EPA 6010B	
Magnesium	226	0.100	"	"	"	"	"	"	
Potassium	24.0	0.500	"	10	"	"	"	"	
Sodium	1180	1.00	"	100	"	"	"	"	

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
09/28/04 08:18

**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 EI42704 - General Preparation (WetChem)										
Blank (EI42704-BLK1) Prepared & Analyzed: 09/24/04										
Chloride	ND	5.00	mg/L							
Matrix Spike (EI42704-MS1) Source: 4I20003-04 Prepared & Analyzed: 09/24/04										
Chloride	1040	5.00	mg/L	500	550	98.0	90-110			
Matrix Spike Dup (EI42704-MSD1) Source: 4I20003-04 Prepared & Analyzed: 09/24/04										
Chloride	1050	5.00	mg/L	500	550	100	90-110	0.957	20	
Reference (EI42704-SRM1) Prepared & Analyzed: 09/24/04										
Chloride	4960		mg/L	5000		99.2	80-120			
Batch EI42706 - General Preparation (WetChem)										
Blank (EI42706-BLK1) Prepared & Analyzed: 09/27/04										
Sulfate	ND	0.500	mg/L							
Calibration Check (EI42706-CCV1) Prepared & Analyzed: 09/27/04										
Sulfate	48.8		mg/L	50.0		97.6	80-120			
Duplicate (EI42706-DUP1) Source: 4I24017-01 Prepared & Analyzed: 09/27/04										
Sulfate	172	1.25	mg/L		175			1.73	20	
Batch EI42719 - Filtration Preparation										
Blank (EI42719-BLK1) Prepared & Analyzed: 09/22/04										
Total Dissolved Solids	ND	5.00	mg/L							

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
09/28/04 08:18

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 EI42719 - Filtration Preparation										
Duplicate (EI42719-DUP1)		Source: 4117010-01			Prepared & Analyzed: 09/22/04					
Total Dissolved Solids	5160	10.0	mg/L		5340			3.43	20	
Batch EI42722 - General Preparation (WetChem)										
Blank (EI42722-BLK1)		Prepared & Analyzed: 09/17/04								
Carbonate Alkalinity	ND	0.100	mg/L							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							
Calibration Check (EI42722-CCV1)		Prepared & Analyzed: 09/17/04								
Carbonate Alkalinity	0.0492		mg/L	0.0500		98.4	80-120			
Duplicate (EI42722-DUP1)		Source: 4117010-01			Prepared & Analyzed: 09/17/04					
Carbonate Alkalinity	0.00	0.500	mg/L		0.00				20	
Bicarbonate Alkalinity	430	10.0	"		450			4.55	20	
Hydroxide Alkalinity	0.00	0.500	"		0.00				20	

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
09/28/04 08:18

**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 EI42107 - 6010B/No Digestion

Blank (EI42107-BLK1)

Prepared & Analyzed: 09/20/04

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EI42107-CCV1)

Prepared & Analyzed: 09/20/04

Calcium	1.98		mg/L	2.00		99.0	85-115			
Magnesium	2.10		"	2.00		105	85-115			
Potassium	1.72		"	2.00		86.0	85-115			
Sodium	1.80		"	2.00		90.0	85-115			

Duplicate (EI42107-DUP1)

Source: 4117010-01

Prepared & Analyzed: 09/20/04

Calcium	274	1.00	mg/L		270			1.47	20	
Magnesium	228	0.100	"		226			0.881	20	
Potassium	25.0	0.500	"		24.0			4.08	20	
Sodium	1200	1.00	"		1180			1.68	20	

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
09/28/04 08:18

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:

Raland K Tuttle

Date:

9-28-04

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

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Biezugbe, Lab Tech.

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

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

Client: Rice Operating

Date/Time: 09-17-04 @ 1530

Order #: 4 I 17010

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	No	-15 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	NO LABEL - WRITTEN ON CONTAINER
Container labels legible and intact?	Yes	No	NO LABEL - WRITTEN ON CONTAINER
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

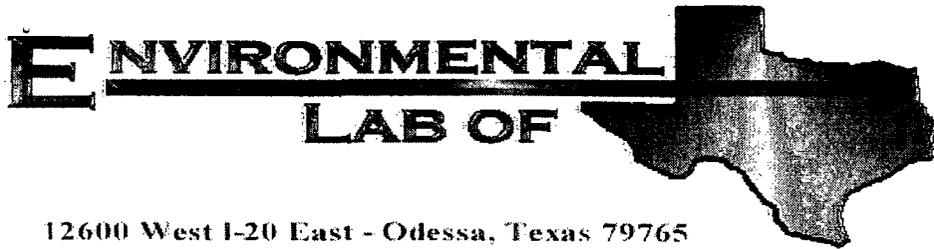
Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Jct. A-20
Project Number: None Given
Location: EME

Lab Order Number: 4K30010

Report Date: 12/08/04

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
12/08/04 17:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4K30010-01	Water	11/24/04 16:40	11/30/04 10:35

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: Jct. A-20 Project Number: None Given Project Manager: Kristin Pope	Fax: (505) 397-1471 Reported: 12/08/04 17:22
--	---	--

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K30010-01) Water									
Total Alkalinity	502	2.00	mg/L	1	EL40313	12/03/04	12/03/04	EPA 310.2M	
Total Dissolved Solids	5110	5.00	"	"	EL40105	11/30/04	12/01/04	EPA 160.1	

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
12/08/04 17:22

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K30010-01) Water									
Calcium	269	1.00	mg/L	100	EL40101	11/30/04	11/30/04	EPA 6010B	
Magnesium	232	0.100	"	"	"	"	"	"	
Potassium	27.3	0.500	"	10	"	"	"	"	
Sodium	1420	10.0	"	1000	"	"	"	"	

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
12/08/04 17:22

Anions by EPA Method 300.0
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K30010-01) Water									
Chloride	1930	50.0	mg/L	100	EL40811	12/02/04	12/02/04	EPA 300.0	
Sulfate	422	50.0	"	"	EL40812	"	"	"	

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
12/08/04 17:22

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 EL40105 - General Preparation (WetChem)										
Blank (EL40105-BLK1) Prepared: 11/30/04 Analyzed: 12/01/04										
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EL40105-DUP1) Source: 4K24009-01 Prepared: 11/30/04 Analyzed: 12/01/04										
Total Dissolved Solids	1480	5.00	mg/L		1480			0.00	20	
Batch EL40313 - General Preparation (WetChem)										
Blank (EL40313-BLK1) Prepared & Analyzed: 12/03/04										
Total Alkalinity	ND	2.00	mg/L							
Duplicate (EL40313-DUP1) Source: 4K30004-01 Prepared & Analyzed: 12/03/04										
Total Alkalinity	207	2.00	mg/L		208			0.482	20	
Reference (EL40313-SRM1) Prepared & Analyzed: 12/03/04										
Carbonate Alkalinity	0.0501		mg/L	0.0500		100	80-120			

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

Project: Jct. A-20
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
12/08/04 17:22

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 EL40101 - 6010B/No Digestion

Blank (EL40101-BLK1)

Prepared & Analyzed: 11/30/04

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EL40101-CCV1)

Prepared & Analyzed: 11/30/04

Calcium	1.87		mg/L	2.00		93.5	85-115			
Magnesium	2.08		"	2.00		104	85-115			
Potassium	1.83		"	2.00		91.5	85-115			
Sodium	1.78		"	2.00		89.0	85-115			

Duplicate (EL40101-DUP1)

Source: 4K24009-01

Prepared & Analyzed: 11/30/04

Calcium	108	1.00	mg/L		122			12.2	20	
Magnesium	46.0	0.0100	"		51.6			11.5	20	
Potassium	11.1	0.500	"		13.2			17.3	20	
Sodium	222	1.00	"		235			5.69	20	

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Anions by EPA Method 300.0 - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40811 - General Preparation (WetChem)										
Blank (EL40811-BLK1) Prepared & Analyzed: 12/02/04										
Chloride	0.00	0.500	mg/L							
Blank (EL40811-BLK2) Prepared & Analyzed: 12/02/04										
Chloride	0.00	0.500	mg/L							
LCS (EL40811-BS1) Prepared & Analyzed: 12/02/04										
Chloride	5.73	0.500	mg/L	5.00		115	80-120			
LCS (EL40811-BS2) Prepared & Analyzed: 12/02/04										
Chloride	5.81	0.500	mg/L	5.00		116	80-120			
LCS Dup (EL40811-BSD1) Prepared & Analyzed: 12/02/04										
Chloride	5.42	0.500	mg/L	5.00		108	80-120	5.56	20	
LCS Dup (EL40811-BSD2) Prepared & Analyzed: 12/02/04										
Chloride	5.51	0.500	mg/L	5.00		110	80-120	5.30	20	
Calibration Check (EL40811-CCV1) Prepared & Analyzed: 12/02/04										
Chloride	25.8		mg/L	25.0		103	80-120			
Calibration Check (EL40811-CCV2) Prepared & Analyzed: 12/02/04										
Chloride	26.1		mg/L	25.0		104	80-120			
Duplicate (EL40811-DUP1) Source: 4K30004-03 Prepared & Analyzed: 12/02/04										
Chloride	55.7	10.0	mg/L		55.2			0.902	20	
Duplicate (EL40811-DUP2) Source: 4K30006-01RE1 Prepared & Analyzed: 12/02/04										
Chloride	446	10.0	mg/L		445			0.224	20	

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Anions by EPA Method 300.0 - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40812 - General Preparation (WetChem)										
Blank (EL40812-BLK1) Prepared & Analyzed: 12/02/04										
Sulfate	0.00	0.500	mg/L							
Blank (EL40812-BLK2) Prepared & Analyzed: 12/02/04										
Sulfate	0.00	0.500	mg/L							
LCS (EL40812-BS1) Prepared & Analyzed: 12/02/04										
Sulfate	5.28	0.500	mg/L	5.00		106	80-120			
LCS (EL40812-BS2) Prepared & Analyzed: 12/02/04										
Sulfate	5.53	0.500	mg/L	5.00		111	80-120			
LCS Dup (EL40812-BSD1) Prepared & Analyzed: 12/02/04										
Sulfate	5.22	0.500	mg/L	5.00		104	80-120	1.14	20	
LCS Dup (EL40812-BSD2) Prepared & Analyzed: 12/02/04										
Sulfate	5.34	0.500	mg/L	5.00		107	80-120	3.50	20	
Calibration Check (EL40812-CCV1) Prepared & Analyzed: 12/02/04										
Sulfate	10.1		mg/L	10.0		101	80-120			
Calibration Check (EL40812-CCV2) Prepared & Analyzed: 12/02/04										
Sulfate	10.3		mg/L	10.0		103	80-120			
Duplicate (EL40812-DUP1) Source: 4K30004-03 Prepared & Analyzed: 12/02/04										
Sulfate	101	10.0	mg/L		99.2			1.80	20	
Duplicate (EL40812-DUP2) Source: 4K30006-01RE1 Prepared & Analyzed: 12/02/04										
Sulfate	123	10.0	mg/L		123			0.00	20	

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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:

Raland K Tuttle

Date:

12-09-04

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

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

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

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

Client: Rice Operating Co.

Date/Time: 11-30-04 @ 1200

Order #: 4K 30010

Initials: JMM

Sample Receipt Checklist

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

Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:
