1R – 428 - 67

ANNUAL GW MONITOR REPORT

DATE: 2007

1R428-67
Annual GW Mon. Report
2007

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

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January 24, 2008

Wayne Price
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: 2007 Annual Ground Water Monitoring Report
Jct. E-33-1, Sec 33, T18S, R38E, Unit "E"
NMOCD Case #: 1R428-67

Dear Mr. Wayne Price:

R.T. Hicks Consultants, Ltd is pleased to submit the 2007 Annual Ground Water Monitoring Report for the Jct. E-33-1 site located in the Hobbs Salt Water Disposal System (SWD). This report consists of the following sections:

1. A table summarizing all laboratory results, depth to ground water and other pertinent data associated with ground water sampling at the site, including this past year.
2. Graphs showing chemical concentration over time for chloride, TDS, and sulfate.
3. Laboratory data sheets associated with the routine sampling for 2007.
4. Site Survey

A Corrective Action Plan was submitted to NMOCD on January 2, 2007. NMOCD approved the CAP on July 18, 2007. The site was seeded in August to create the proposed infiltration barrier through surface restoration and vegetation. We plan to continue quarterly ground water monitoring in 2008.

Thank you for your consideration of this annual summary information. The attached CD contains an electronic copy of this report. If you have any questions, please contact us at 505-266-5004, or Kristin Farris Pope at ROC, 505-393-9174.

Sincerely,
R.T. Hicks Consultants, Ltd.

Randall T. Hicks
Principal

Copy: Hobbs NMOCD office; Rice Operating Company

Jct. E-33-1

Table 1: chemistry over time

Well Name	*Date*	*DTW (ft)*	*Chloride (mg/L)*	*Sulfate (mg/L)*	*TDS (mg/L)*	*Benzene (mg/L)*	*Toluene (mg/L)*	*EthylBenzene (mg/L)*	*Total Xylenes (mg/L)*	*Comments*
MW-1	5/17/2006	64.44	142	93.4	678	<0.001	<0.001	<0.001	<0.001	Silt to Clear/No Odor
MW-1	10/31/2006	64.48	164	96.2	620	<0.001	<0.001	<0.001	<0.001	Napthalene <0.001 Silt and Sand Present Clear
MW-1	2/22/2007	64.67	222	112	678	<0.001	<0.001	<0.001	<0.001	Silt to sand present Clear No odor
MW-1	4/25/2007	64.77	195	101	684	<0.001	<0.001	<0.001	<0.001	No Odor/ Silt and Sand Present clear
MW-1	7/30/2007	64.89	215	115	754	<0.001	<0.001	<0.001	<0.001	Silt and Sand Present Clear No Odor
MW-1	12/19/2007	65.03	308	174	933	<0.002	<0.002	<0.002	<0.006	Clear/silt and sand present No odor

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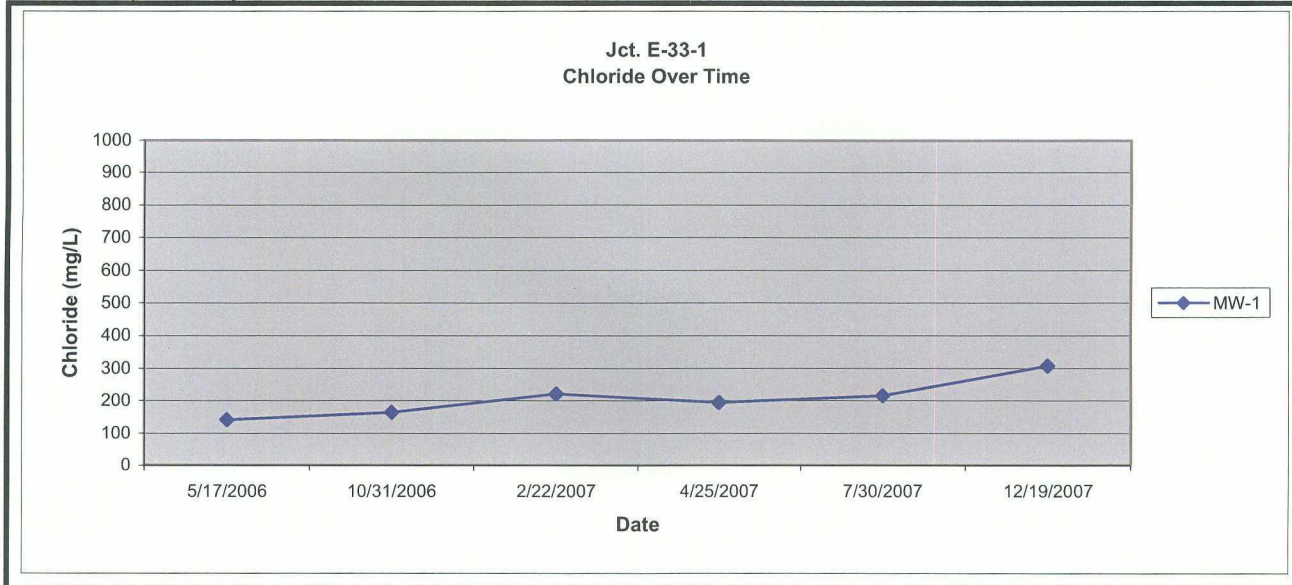

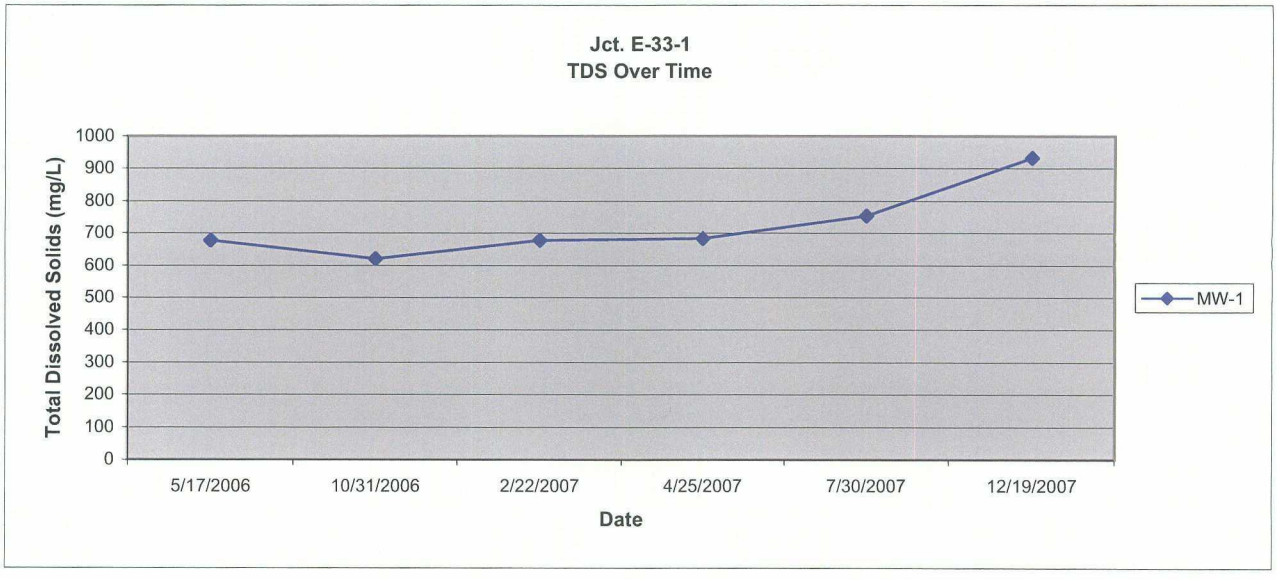

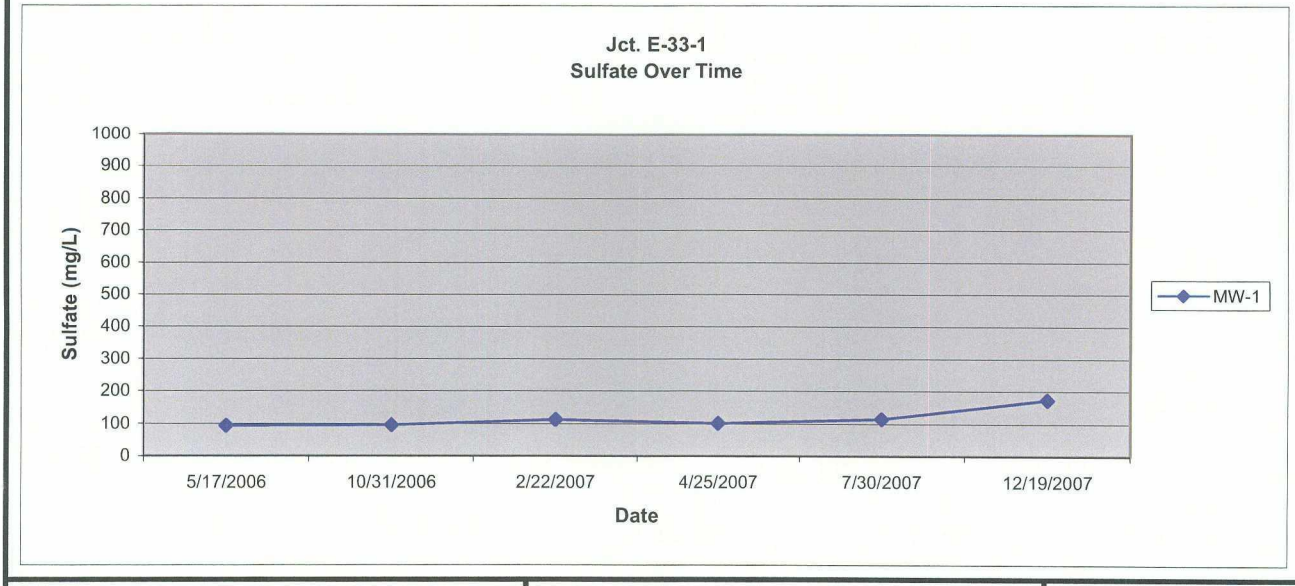

R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW, Suite F-142 Albuquerque, NM 87104 505-266-5004	Ground Water Chemistry	Jct. E-33-1
	Rice Operating Company 2007 Annual Report	1/24/2008

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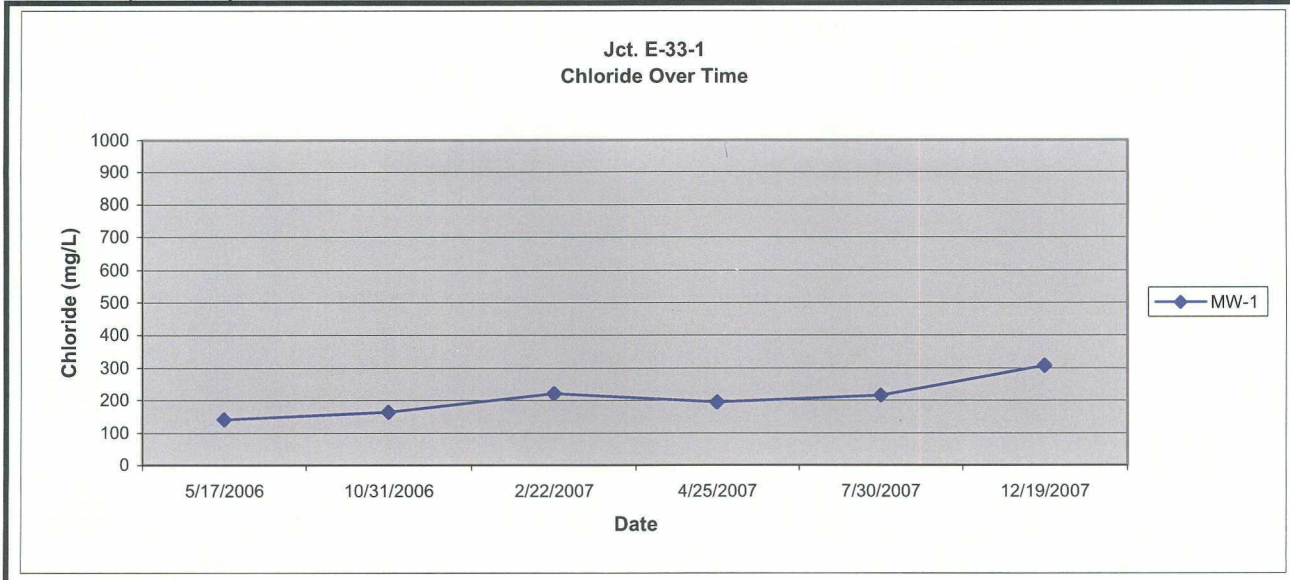

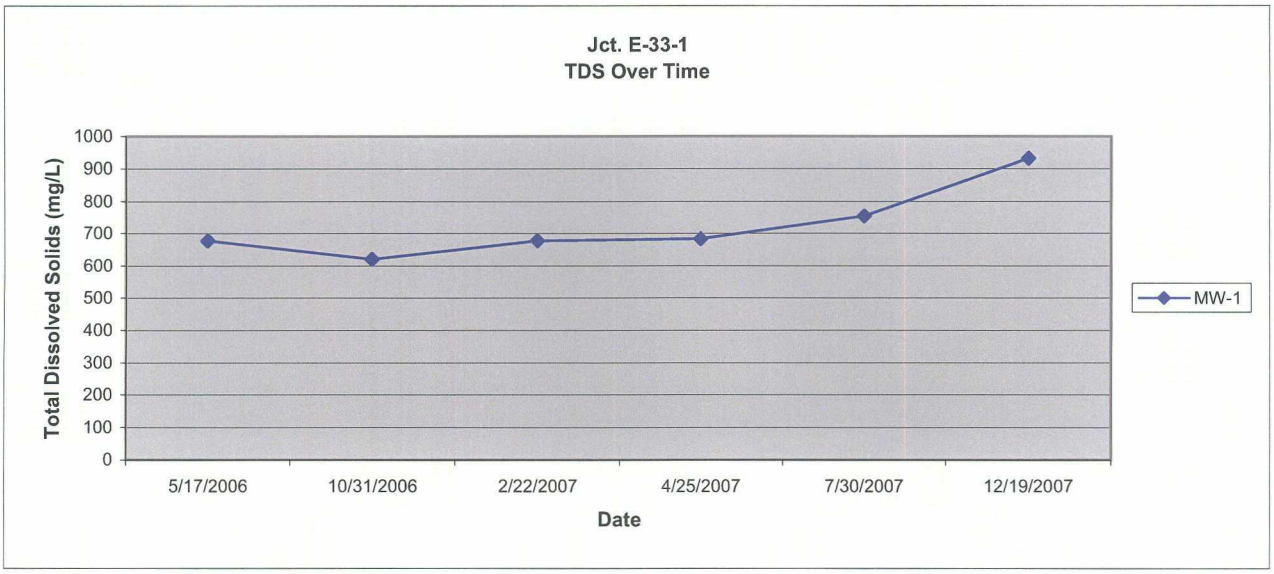

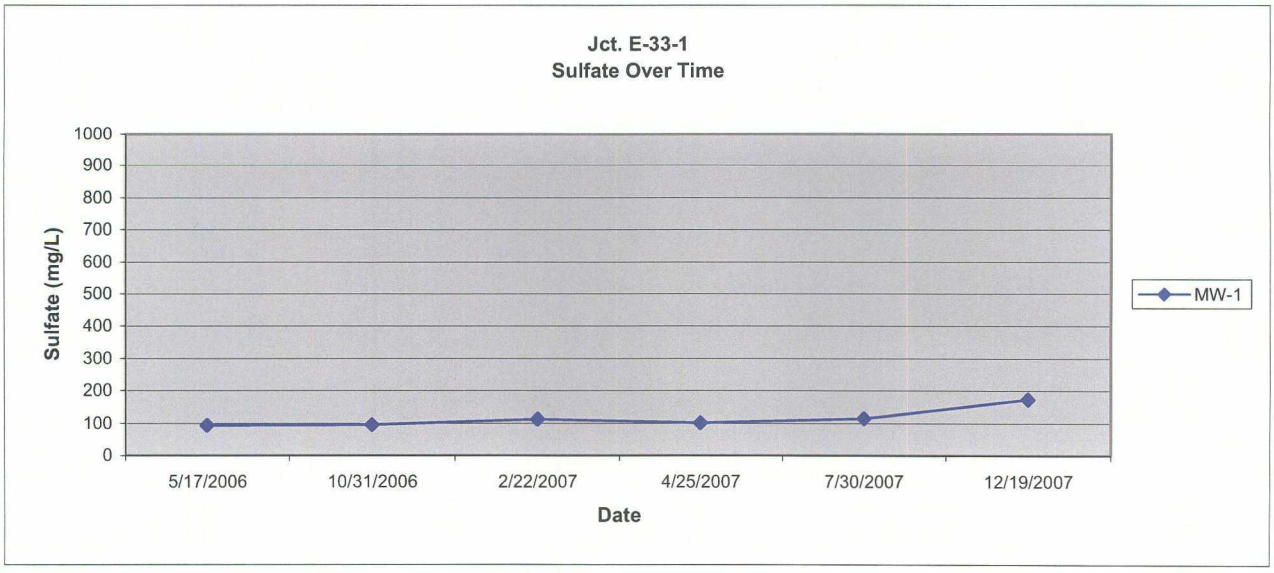

R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW, Suite F-142 Albuquerque, NM 87104 505-266-5004	Ground Water Chemistry	Jct. E-33-1
	Rice Operating Company 2007 Annual Report	1/24/2008

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs Jct. E-33-1

Project Number: None Given

Location: T18S-R38E-Sec. 33E Lea Co., NM

Lab Order Number: 7B22013

Report Date: 03/08/07

Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	7B22013-01	Water	02/22/07 11:15	02-22-2007 15:12

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Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7B22013-01) Water									
Total Alkalinity	**152**	2.00	mg/L	1	EB72404	02/23/07	02/23/07	EPA 310.1M	
Chloride	**222**	5.00	"	10	EB72801	02/28/07	02/28/07	EPA 300.0	
Total Dissolved Solids	**678**	10.0	"	1	EB72702	02/23/07	02/24/07	EPA 160.1	
Sulfate	**112**	5.00	"	10	EB72801	02/28/07	02/28/07	EPA 300.0	

Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7B22013-01) Water									
Calcium	**90.8**	4.05	mg/L	50	EB72310	02/23/07	02/23/07	EPA 6010B	
Magnesium	**14.4**	0.360	"	10	"	"	"	"	
Potassium	**5.45**	0.600	"	"	"	"	"	"	
Sodium	**90.4**	2.15	"	50	"	"	"	"	

Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7B22013-01) Water									
Benzene	ND	0.00100	mg/L	1	EB72704	02/27/07	02/28/07	EPA 8260B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Naphthalene	ND	0.00100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*		*68-129*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*77.4 %*		*72-132*		"	"	"	
Surrogate: Toluene-d8		*85.6 %*		*74-118*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*		*65-140*		"	"	"	

Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB72404 - General Preparation (WetChem)										
Blank (EB72404-BLK1)				Prepared & Analyzed: 02/23/07						
Total Alkalinity	ND	2.00	mg/L							
Carbonate Alkalinity	ND	0.100	"							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							
LCS (EB72404-BS1)				Prepared & Analyzed: 02/23/07						
Bicarbonate Alkalinity	188	2.00	mg/L	200		94.0	85-115			
Duplicate (EB72404-DUP1)		**Source: 7B22011-01**		Prepared & Analyzed: 02/23/07						
Total Alkalinity	184	2.00	mg/L		180			2.20	20	
Reference (EB72404-SRM1)				Prepared & Analyzed: 02/23/07						
Total Alkalinity	246		mg/L	250		98.4	90-110			
Batch EB72702 - General Preparation (WetChem)										
Blank (EB72702-BLK1)				Prepared: 02/23/07 Analyzed: 02/24/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EB72702-DUP1)		**Source: 7B22009-01**		Prepared: 02/23/07 Analyzed: 02/24/07						
Total Dissolved Solids	364	10.0	mg/L		356			2.22	20	
Duplicate (EB72702-DUP2)		**Source: 7B22012-01**		Prepared: 02/23/07 Analyzed: 02/27/07						
Total Dissolved Solids	518	10.0	mg/L		494			4.74	20	
Batch EB72801 - General Preparation (WetChem)										
Blank (EB72801-BLK1)				Prepared & Analyzed: 02/28/07						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							

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Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB72801 - General Preparation (WetChem)										
LCS (EB72801-BS1)				Prepared & Analyzed: 02/28/07						
Sulfate	10.6	0.500	mg/L	10.0		106	80-120			
Chloride	10.2	0.500	"	10.0		102	80-120			
Calibration Check (EB72801-CCV1)				Prepared & Analyzed: 02/28/07						
Sulfate	11.1		mg/L	10.0		111	80-120			
Chloride	10.4		"	10.0		104	80-120			
Duplicate (EB72801-DUP1)	**Source: 7B22009-01**			Prepared & Analyzed: 02/28/07						
Sulfate	64.9	5.00	mg/L		64.3			0.929	20	
Chloride	21.6	5.00	"		22.2			2.74	20	
Duplicate (EB72801-DUP2)	**Source: 7B22012-01**			Prepared & Analyzed: 02/28/07						
Sulfate	92.3	5.00	mg/L		93.2			0.970	20	
Chloride	117	5.00	"		119			1.69	20	
Matrix Spike (EB72801-MS1)	**Source: 7B22009-01**			Prepared & Analyzed: 02/28/07						
Sulfate	172	5.00	mg/L	100	64.3	108	80-120			
Chloride	134	5.00	"	100	22.2	112	80-120			
Matrix Spike (EB72801-MS2)	**Source: 7B22012-01**			Prepared & Analyzed: 02/28/07						
Sulfate	204	5.00	mg/L	100	93.2	111	80-120			
Chloride	231	5.00	"	100	119	112	80-120			

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

Project: Hobbs Jct. E-33-1
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 EB72310 - 6010B/No Digestion										
Blank (EB72310-BLK1)				Prepared & Analyzed: 02/23/07						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EB72310-CCV1)				Prepared & Analyzed: 02/23/07						
Calcium	1.93		mg/L	2.00		96.5	85-115			
Magnesium	1.88		"	2.00		94.0	85-115			
Potassium	1.82		"	2.00		91.0	85-115			
Sodium	1.75		"	2.00		87.5	85-115			
Duplicate (EB72310-DUP1)	**Source: 7B22004-01**			Prepared & Analyzed: 02/23/07						
Calcium	84.4	4.05	mg/L		84.2			0.237	20	
Magnesium	142	1.80	"		147			3.46	20	
Potassium	22.3	0.600	"		22.8			2.22	20	
Sodium	200	2.15	"		206			2.96	20	

Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB72704 - EPA 5030C (GCMS)										
Blank (EB72704-BLK1)				Prepared & Analyzed: 02/27/07						
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	"							
Naphthalene	ND	0.00100	"							
Surrogate: Dibromofluoromethane	*46.4*		*ug/l*	*50.0*		*92.8*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*36.6*		*"*	*50.0*		*73.2*	*72-132*			
Surrogate: Toluene-d8	*44.6*		*"*	*50.0*		*89.2*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*48.3*		*"*	*50.0*		*96.6*	*65-140*			
LCS (EB72704-BS1)				Prepared & Analyzed: 02/27/07						
Benzene	0.0286	0.00100	mg/L	0.0250		114	70-130			
Toluene	0.0260	0.00100	"	0.0250		104	70-130			
Ethylbenzene	0.0250	0.00100	"	0.0250		100	70-130			
Xylene (p/m)	0.0495	0.00100	"	0.0500		99.0	70-130			
Xylene (o)	0.0259	0.00100	"	0.0250		104	70-130			
Naphthalene	0.0204	0.00100	"	0.0250		81.6	70-130			
Surrogate: Dibromofluoromethane	*50.1*		*ug/l*	*50.0*		*100*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*43.1*		*"*	*50.0*		*86.2*	*72-132*			
Surrogate: Toluene-d8	*47.6*		*"*	*50.0*		*95.2*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*51.9*		*"*	*50.0*		*104*	*65-140*			
Calibration Check (EB72704-CCV1)				Prepared & Analyzed: 02/27/07						
Toluene	46.4		ug/l	50.0		92.8	70-130			
Ethylbenzene	45.3		"	50.0		90.6	70-130			
Surrogate: Dibromofluoromethane	*50.6*		*"*	*50.0*		*101*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*38.5*		*"*	*50.0*		*77.0*	*72-132*			
Surrogate: Toluene-d8	*43.7*		*"*	*50.0*		*87.4*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*48.9*		*"*	*50.0*		*97.8*	*65-140*			

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

Project: Hobbs Jct. E-33-1
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB72704 - EPA 5030C (GCMS)										
Matrix Spike (EB72704-MS1)	**Source: 7B22012-01**			Prepared: 02/27/07		Analyzed: 02/28/07				
Benzene	0.0215	0.00100	mg/L	0.0250	ND	86.0	70-130			
Toluene	0.0233	0.00100	"	0.0250	ND	93.2	70-130			
Ethylbenzene	0.0260	0.00100	"	0.0250	ND	104	70-130			
Xylene (p/m)	0.0502	0.00100	"	0.0500	ND	100	70-130			
Xylene (o)	0.0250	0.00100	"	0.0250	ND	100	70-130			
Naphthalene	0.0187	0.00100	"	0.0250	ND	74.8	70-130			
Surrogate: Dibromofluoromethane	*51.1*		*ug/l*	*50.0*		*102*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*41.8*		*"*	*50.0*		*83.6*	*72-132*			
Surrogate: Toluene-d8	*42.1*		*"*	*50.0*		*84.2*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*46.9*		*"*	*50.0*		*93.8*	*65-140*			
Matrix Spike Dup (EB72704-MSD1)	**Source: 7B22012-01**			Prepared: 02/27/07		Analyzed: 02/28/07				
Benzene	0.0180	0.00100	mg/L	0.0250	ND	72.0	70-130	17.7	20	
Toluene	0.0182	0.00100	"	0.0250	ND	72.8	70-130	24.6	20	R
Ethylbenzene	0.0245	0.00100	"	0.0250	ND	98.0	70-130	5.94	20	
Xylene (p/m)	0.0484	0.00100	"	0.0500	ND	96.8	70-130	3.65	20	
Xylene (o)	0.0263	0.00100	"	0.0250	ND	105	70-130	5.07	20	
Naphthalene	0.0231	0.00100	"	0.0250	ND	92.4	70-130	21.1	20	R
Surrogate: Dibromofluoromethane	*53.5*		*ug/l*	*50.0*		*107*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*40.3*		*"*	*50.0*		*80.6*	*72-132*			
Surrogate: Toluene-d8	*35.7*		*"*	*50.0*		*71.4*	*74-118*			*S-04*
Surrogate: 4-Bromofluorobenzene	*40.5*		*"*	*50.0*		*81.0*	*65-140*			

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

Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
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: 3/8/2007

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

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

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Kristin Farris Pope kpope@riceswd.com

Company Name: RICE Operating Company

Company Address: 122 W. Taylor Street

City/State/Zip: Hobbs, New Mexico 88240

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

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

Project Name: Hobbs Junction E-33-1

Project #:

Project Loc: T18S R38E Sec33 E ~ Lea County New Mexico

PO #:

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

(lab use only)
ORDER #: 7B22013

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl (2) 40 ml glass vials	H_2SO_4	NaOH	$Na_2S_2O_3$	None (1) 1 Liter HDPE	Other (Specify)	Matrix: DW-Drinking Water SL=Sludge GW - Groundwater S=Soil/Solid NP-Non-Potable Specify Other	Analyze For: TCLP:	TOTAL: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles (BTEX-N 8260)	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Total Dissolved Solids			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-01	Monitor Well #1			2/22/2007	11:15		3	X		2				1		GW				X	X			X					X				X

Special Instructions:

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

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	2-22-07	1512			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Joanne McMurry	Date 02-22-07	Time 1512

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt: 1.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice Dp.

Date/ Time: 2/22/07 15:12

Lab ID # : 47B22013

Initials: DK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	1.5 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

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

ENVIRONMENTAL LAB OF

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: Hobbs Jct. E-33-1

Project Number: None Given

Location: T18S R38E Sec33 E ~ Lea County New Mexico

Lab Order Number: 7D26009

Report Date: 05/07/07

Rice Operating Co.	Project: Hobbs. Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well # 1	7D26009-01	Water	04/25/07 10:55	04-26-2007 16:25

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Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well # 1 (7D26009-01) Water									
Total Alkalinity	**202**	2.00	mg/L	1	ED73002	04/30/07	04/30/07	EPA 310.1M	
Chloride	**195**	5.00	"	10	EE70307	05/03/07	05/03/07	EPA 300.0	
Total Dissolved Solids	**684**	10.0	"	1	EE70209	04/27/07	05/02/07	EPA 160.1	
Sulfate	**101**	5.00	"	10	EE70307	05/03/07	05/03/07	EPA 300.0	

Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well # 1 (7D26009-01) Water									
Calcium	**135**	4.05	mg/L	50	ED72704	04/27/07	04/27/07	EPA 6010B	
Magnesium	**23.5**	0.360	"	10	"	"	"	"	
Potassium	**7.60**	0.600	"	"	"	"	"	"	
Sodium	**103**	2.15	"	50	"	"	"	"	

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Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well # 1 (7D26009-01) Water									
Benzene	ND	0.00100	mg/L	1	ED73009	04/30/07	04/30/07	EPA 8260B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Naphthalene	ND	0.00100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*68-129*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85.2 %*		*72-132*	"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*		*74-118*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*		*65-140*	"	"	"	"	

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 ED73002 - General Preparation (WetChem)										
Blank (ED73002-BLK1)				Prepared & Analyzed: 04/30/07						
Total Alkalinity	ND	2.00	mg/L							
LCS (ED73002-BS1)				Prepared & Analyzed: 04/30/07						
Total Alkalinity	0.00	2.00	mg/L				85-115			
Bicarbonate Alkalinity	180	2.00	"	200		90.0	85-115			
Duplicate (ED73002-DUP1)	**Source: 7D26006-01**			Prepared & Analyzed: 04/30/07						
Total Alkalinity	214	2.00	mg/L		218			1.85	20	
Bicarbonate Alkalinity	0.00	2.00	"		0.00				20	
Reference (ED73002-SRM1)				Prepared & Analyzed: 04/30/07						
Total Alkalinity	256		mg/L	250		102	90-110			
Batch EE70209 - General Preparation (WetChem)										
Blank (EE70209-BLK1)				Prepared: 04/27/07 Analyzed: 05/02/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EE70209-DUP1)	**Source: 7D26007-01**			Prepared: 04/27/07 Analyzed: 05/02/07						
Total Dissolved Solids	1500	10.0	mg/L		1470			2.02	20	
Duplicate (EE70209-DUP2)	**Source: 7D26009-01**			Prepared: 04/27/07 Analyzed: 05/02/07						
Total Dissolved Solids	712	10.0	mg/L		684			4.01	20	
Batch EE70307 - General Preparation (WetChem)										
Blank (EE70307-BLK1)				Prepared & Analyzed: 05/03/07						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							

Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE70307 - General Preparation (WetChem)										
LCS (EE70307-BS1)				Prepared & Analyzed: 05/03/07						
Chloride	9.62	0.500	mg/L	10.0		96.2	80-120			
Sulfate	10.0	0.500	"	10.0		100	80-120			
Calibration Check (EE70307-CCV1)				Prepared & Analyzed: 05/03/07						
Chloride	8.93		mg/L	10.0		89.3	80-120			
Sulfate	11.6		"	10.0		116	80-120			
Duplicate (EE70307-DUP1)		**Source: 7D26006-01**		Prepared & Analyzed: 05/03/07						
Sulfate	342	12.5	mg/L		339			0.881	20	
Chloride	941	50.0	"		917			2.58	20	
Duplicate (EE70307-DUP2)		**Source: 7D26010-01**		Prepared & Analyzed: 05/03/07						
Chloride	93.1	5.00	mg/L		94.3			1.28	20	
Sulfate	74.1	5.00	"		75.5			1.87	20	
Matrix Spike (EE70307-MS1)		**Source: 7D26006-01**		Prepared & Analyzed: 05/03/07						
Sulfate	728	12.5	mg/L	250	339	156	80-120			M1
Matrix Spike (EE70307-MS2)		**Source: 7D26010-01**		Prepared & Analyzed: 05/03/07						
Chloride	278	5.00	mg/L	100	94.3	184	80-120			M1
Sulfate	204	5.00	"	100	75.5	128	80-120			M1
Matrix Spike (EE70307-MS3)		**Source: 7D26006-01**		Prepared & Analyzed: 05/03/07						
Chloride	1800	50.0	mg/L	1000	917	88.3	80-120			

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Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED72704 - 6010B/No Digestion										
Blank (ED72704-BLK1)				Prepared & Analyzed: 04/27/07						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (ED72704-CCV1)				Prepared & Analyzed: 04/27/07						
Calcium	2.13		mg/L	2.00		106	85-115			
Magnesium	2.15		"	2.00		108	85-115			
Potassium	2.14		"	2.00		107	85-115			
Sodium	1.98		"	2.00		99.0	85-115			
Duplicate (ED72704-DUP1)	**Source: 7D23010-01**			Prepared & Analyzed: 04/27/07						
Calcium	44.1	0.810	mg/L		42.4			3.93	20	
Magnesium	43.0	0.360	"		42.4			1.41	20	
Potassium	22.7	0.600	"		22.1			2.68	20	
Sodium	41.9	0.430	"		40.8			2.66	20	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED73009 - EPA 5030C (GCMS)										
Blank (ED73009-BLK1)				Prepared & Analyzed: 04/30/07						
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	"							
Naphthalene	ND	0.00100	"							
Surrogate: Dibromofluoromethane	*50.3*		*ug/l*	*50.0*		*101*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*42.3*		*"*	*50.0*		*84.6*	*72-132*			
Surrogate: Toluene-d8	*48.2*		*"*	*50.0*		*96.4*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*47.4*		*"*	*50.0*		*94.8*	*65-140*			
LCS (ED73009-BS1)				Prepared & Analyzed: 04/30/07						
Benzene	0.0249	0.00100	mg/L	0.0250		99.6	70-130			
Toluene	0.0265	0.00100	"	0.0250		106	70-130			
Ethylbenzene	0.0282	0.00100	"	0.0250		113	70-130			
Xylene (p/m)	0.0570	0.00100	"	0.0500		114	70-130			
Xylene (o)	0.0289	0.00100	"	0.0250		116	70-130			
Naphthalene	0.0190	0.00100	"	0.0250		76.0	70-130			
Surrogate: Dibromofluoromethane	*48.3*		*ug/l*	*50.0*		*96.6*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*43.7*		*"*	*50.0*		*87.4*	*72-132*			
Surrogate: Toluene-d8	*48.1*		*"*	*50.0*		*96.2*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*44.1*		*"*	*50.0*		*88.2*	*65-140*			
Calibration Check (ED73009-CCV1)				Prepared & Analyzed: 04/30/07						
Toluene	48.2		ug/l	50.0		96.4	70-130			
Ethylbenzene	49.8		"	50.0		99.6	70-130			
Surrogate: Dibromofluoromethane	*47.3*		*"*	*50.0*		*94.6*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*39.4*		*"*	*50.0*		*78.8*	*72-132*			
Surrogate: Toluene-d8	*46.5*		*"*	*50.0*		*93.0*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*42.9*		*"*	*50.0*		*85.8*	*65-140*			

Rice Operating Co.	Project: Hobbs Jct. E-33-1	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED73009 - EPA 5030C (GCMS)										
Matrix Spike (ED73009-MS1)	**Source: 7D26010-01**			Prepared & Analyzed: 04/30/07						
Benzene	0.0247	0.00100	mg/L	0.0250	ND	98.8	70-130			
Toluene	0.0260	0.00100	"	0.0250	ND	104	70-130			
Ethylbenzene	0.0256	0.00100	"	0.0250	ND	102	70-130			
Xylene (p/m)	0.0514	0.00100	"	0.0500	ND	103	70-130			
Xylene (o)	0.0262	0.00100	"	0.0250	ND	105	70-130			
Naphthalene	0.0148	0.00100	"	0.0250	ND	59.2	70-130			M8
Surrogate: Dibromofluoromethane	*48.6*		*ug/l*	*50.0*		*97.2*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*42.8*		"	*50.0*		*85.6*	*72-132*			
Surrogate: Toluene-d8	*47.8*		"	*50.0*		*95.6*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*43.0*		"	*50.0*		*86.0*	*65-140*			
Matrix Spike Dup (ED73009-MSD1)	**Source: 7D26010-01**			Prepared & Analyzed: 04/30/07						
Benzene	0.0250	0.00100	mg/L	0.0250	ND	100	70-130	1.21	20	
Toluene	0.0264	0.00100	"	0.0250	ND	106	70-130	1.90	20	
Ethylbenzene	0.0262	0.00100	"	0.0250	ND	105	70-130	2.90	20	
Xylene (p/m)	0.0528	0.00100	"	0.0500	ND	106	70-130	2.87	20	
Xylene (o)	0.0270	0.00100	"	0.0250	ND	108	70-130	2.82	20	
Naphthalene	0.0169	0.00100	"	0.0250	ND	67.6	70-130	13.2	20	M8
Surrogate: Dibromofluoromethane	*50.1*		*ug/l*	*50.0*		*100*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*42.9*		"	*50.0*		*85.8*	*72-132*			
Surrogate: Toluene-d8	*48.5*		"	*50.0*		*97.0*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*43.9*		"	*50.0*		*87.8*	*65-140*			

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Notes and Definitions

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: Brent Barron Date: 5/7/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant
James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Kristin Farris Pope kpope@riceswd.com

Company Name: RICE Operating Company

Company Address: 122 W. Taylor Street

City/State/Zip: Hobbs, New Mexico 88240

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

Sampler Signature: Rozanne Johnson (505)631-8310 e-mail: rozanne@valornet.com

Project Name: Hobbs Junction E-33-1

Project #:

Project Loc: T18S R38E Sec33 F ~ Lea County New Mexico

PO #:

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

(lab use only)

ORDER #: 7026009

281557

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl (2) 40 ml glass vials	H2SO4	NaOH	Na2S2O3	None (1) 1 Liter HDPE	Other (Specify)	Matrix: GW-Drinking Water SL-Sludge; SW-Groundwater S-Soil/Solid; NP-Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M	TCLP: TPH: TX 1005 TX 1006	TCLP: Cations (Ca, Mg, Na, K)	TCLP: Anions (Cl, SO4, Alkalinity)	TCLP: SAR / ESP / CEC	TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	TOTAL: X	TOTAL: Volatiles (BTEX+N 8260)	TOTAL: Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260	TOTAL: PCI	TOTAL: N.O.R.M.	TOTAL: Total Dissolved Solids	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Monitor Well #1			4/25/2007	10:55		3	X		2				1		GW			X	X			X			X					X

Special Instructions:

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

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	4/26/07	12:40	James Johnson	4-26-07	12:41
James Johnson	4-26-07	4:25			
			Received by ELOT	4-26-07	4:35

Laboratory Comments:

Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: -1.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice

Date/ Time: 4-26-07 4:25

Lab ID #: 7D26007

Initials: CL

Sample Receipt Checklist

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

Variance Documentation

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

Regarding: _____

Corrective Action Taken:

Check all that Apply:

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

Analytical Report 287122

for

Rice Operating Co.

Project Manager: Kristin Pope

Hobbs Junction E-33-1

13-AUG-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

NELAC certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

13-AUG-07

Project Manager: **Kristin Pope**
Rice Operating Co.
122 West Taylor
Hobbs, NM 88240

Reference: XENCO Report No: **287122**
Hobbs Junction E-33-1
Project Address: T18S R38E Sec33 E ~ Lea County New Mexico

Kristin Pope:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 287122. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 287122 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 287122

Rice Operating Co., Hobbs, NM

Project Name: Hobbs Junction E-33-1

Project Id:

Contact: Kristin Pope

Project Location: T18S R38E Sec33 E ~ Lea County New M

Date Received in Lab Aug-02-07 12:50 pm

Report Date: 13-AUG-07

Project Manager: Brent Barron, II

Analysis Requested						
	Lab Id:	287122-001				
	Field Id:	Monitor Well # 1				
	Depth:					
	Matrix:	WATER				
	Sampled:	Jul-30-07 09:10				
Alkalinity by EPA 310.1	*Extracted:*					
	Analyzed:	Aug-07-07 13:00				
	Units/RL:	mg/L	RL			
Alkalinity, Total (as CaCO3)		216	4.00			
Inorganic Anions by EPA 300	*Extracted:*					
	Analyzed:	Aug-07-07 11:48				
	Units/RL:	mg/L	RL			
Chloride		215	5.00			
Sulfate		115	5.00			
Metals per ICP by SW846 6010B	*Extracted:*					
	Analyzed:	Aug-03-07 14:39				
	Units/RL:	mg/L	RL			
Calcium		157	0.100			
Magnesium		21.9	0.010			
Potassium		8.37	0.500			
Sodium		93.6	0.500			
Residue, Filterable (TDS) by EPA 160.1	*Extracted:*					
	Analyzed:	Aug-06-07 16:20				
	Units/RL:	mg/L	RL			
Total dissolved solids		754	5.00			
VOAs by SW-846 8260B	*Extracted:*	Aug-04-07 17:00				
	Analyzed:	Aug-05-07 18:36				
	Units/RL:	ug/L	RL			
Benzene		ND	1.00			
Ethylbenzene		ND	1.00			
Naphthalene		ND	1.00			
Toluene		ND	1.00			
o-Xylene		ND	1.00			
m,p-Xylenes		ND	1.00			

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

Form 2 - Surrogate Recoveries

Project Name: Hobbs Junction E-33-1

Work Order #: 287122 **Project ID:**

Lab Batch #: 701795 **Sample:** 286528-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0436	0.0500	87	86-115	
Dibromofluoromethane	0.0480	0.0500	96	86-118	
1,2-Dichloroethane-D4	0.0409	0.0500	82	80-120	
Toluene-D8	0.0468	0.0500	94	88-110	

Lab Batch #: 701795 **Sample:** 286528-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0423	0.0500	85	86-115	*
Dibromofluoromethane	0.0501	0.0500	100	86-118	
1,2-Dichloroethane-D4	0.0412	0.0500	82	80-120	
Toluene-D8	0.0481	0.0500	96	88-110	

Lab Batch #: 701795 **Sample:** 287122-001 / SMP **Batch:** 1 **Matrix:** Water

Units: ug/L

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	44.38	50.00	89	86-115	
Dibromofluoromethane	52.31	50.00	105	86-118	
1,2-Dichloroethane-D4	40.28	50.00	81	80-120	
Toluene-D8	47.48	50.00	95	88-110	

Lab Batch #: 701795 **Sample:** 497846-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: ug/L

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	43.28	50.00	87	86-115	
Dibromofluoromethane	45.30	50.00	91	86-118	
1,2-Dichloroethane-D4	37.94	50.00	76	80-120	*
Toluene-D8	46.36	50.00	93	88-110	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Hobbs Junction E-33-1

Work Order #: 287122 **Project ID:**

Lab Batch #: 701795 **Sample:** 497846-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: ug/L

VOAs by SW-846 8260B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	47.54	50.00	95	86-115	
Dibromofluoromethane	48.11	50.00	96	86-118	
1,2-Dichloroethane-D4	38.00	50.00	76	80-120	*
Toluene-D8	46.20	50.00	92	88-110	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Hobbs Junction E-33-1

Work Order #: 287122 **Project ID:**

Lab Batch #: 701789 **Sample:** 701789-1-BKS **Matrix:** Water
Date Analyzed: 08/07/2007 **Date Prepared:** 08/07/2007 **Analyst:** WRU
Reporting Units: mg/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Alkalinity by EPA 310.1 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Alkalinity, Total (as CaCO3)	ND	200	194	97	80-120	

Lab Batch #: 701864 **Sample:** 701864-1-BKS **Matrix:** Water
Date Analyzed: 08/07/2007 **Date Prepared:** 08/07/2007 **Analyst:** IRO
Reporting Units: mg/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	9.03	90	90-110	
Sulfate	ND	10.0	9.63	96	90-110	

Lab Batch #: 701571 **Sample:** 701571-1-BKS **Matrix:** Water
Date Analyzed: 08/03/2007 **Date Prepared:** 08/03/2007 **Analyst:** LATCOR
Reporting Units: mg/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

Metals per ICP by SW846 6010B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Calcium	ND	2.00	1.83	92	75-125	
Magnesium	ND	2.00	2.08	104	75-125	
Potassium	ND	2.00	2.28	114	75-125	
Sodium	ND	2.00	1.94	97	75-125	

Lab Batch #: 701795 **Sample:** 497846-1-BKS **Matrix:** Water
Date Analyzed: 08/05/2007 **Date Prepared:** 08/04/2007 **Analyst:** CELKEE
Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOAs by SW-846 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	ND	25.0	24.0	96	66-142	
Ethylbenzene	ND	25.0	26.4	106	75-125	
Toluene	ND	25.0	24.3	97	59-139	
o-Xylene	ND	25.0	26.7	107	75-125	
m,p-Xylenes	ND	50.0	53.2	106	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

Form 3 - MS Recoveries

Project Name: Hobbs Junction E-33-1

Work Order #: 287122
Lab Batch #: 701864
Date Analyzed: 08/07/2007
QC- Sample ID: 287159-003 S
Reporting Units: mg/L

Date Prepared: 08/07/2007
Batch #: 1

Project ID:
Analyst: IRO
Matrix: Water

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	548	250	862	126	90-110	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Hobbs Junction E-33-1

Work Order # 287122 **Project ID:**

Lab Batch ID: 701795 **QC- Sample ID:** 286528-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 08/05/2007 **Date Prepared:** 08/04/2007 **Analyst:** CELKEE

Reporting Units: mg/L

VOAs by SW-846 8260B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.025	0.024	96	0.025	0.025	100	4	66-142	21	
Ethylbenzene	ND	0.025	0.027	108	0.025	0.026	104	4	75-125	20	
Toluene	ND	0.025	0.025	100	0.025	0.026	104	4	59-139	21	
o-Xylene	ND	0.025	0.027	108	0.025	0.027	108	0	75-125	20	
m,p-Xylenes	ND	0.050	0.053	106	0.050	0.052	104	2	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Hobbs Junction E-33-1

Work Order #: 287122

Lab Batch #: 701789 **Project ID:**
Date Analyzed: 08/07/2007 **Date Prepared:** 08/07/2007 **Analyst:** WRU
QC- Sample ID: 287122-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Alkalinity by EPA 310.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Alkalinity, Total (as CaCO3)	216	216	0	20	

Lab Batch #: 701571
Date Analyzed: 08/03/2007 **Date Prepared:** 08/03/2007 **Analyst:** LATCOR
QC- Sample ID: 287179-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Metals per ICP by SW846 6010B	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Calcium	301	285	5	25	
Magnesium	120	134	11	25	
Potassium	20.1	15.8	24	25	
Sodium	284	265	7	25	

Lab Batch #: 701790
Date Analyzed: 08/06/2007 **Date Prepared:** 08/06/2007 **Analyst:** IRO
QC- Sample ID: 287122-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Residue, Filterable (TDS) by EPA 160.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	754	784	4	30	

Lab Batch #: 701790
Date Analyzed: 08/06/2007 **Date Prepared:** 08/06/2007 **Analyst:** IRO
QC- Sample ID: 287348-002 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Residue, Filterable (TDS) by EPA 160.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	6250	6290	1	30	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Kristin Farris Pope kpope@riceswd.com

Company Name: RICE Operating Company

Company Address: 122 W. Taylor Street

City/State/Zip: Hobbs, New Mexico 88240

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

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

Project Name: Hobbs Junction E-33-1

Project #:

Project Loc: T18S R38E Sec33 E ~ Lea County New Mexico

PO #:

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

(lab use only)

ORDER #: 287122

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl (2) 40 ml glass vials	H2SO4	NaOH	Na2S2O3	None (1) 1 Liter HDPE	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se (TCLP:)	Volatiles (BTEX-N 8260) (TOTAL: X)	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	Total Dissolved Solids			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Monitor Well #1			7/30/2007	9:10		3	X		2				1		GW			X	X			X					X					X

Special Instructions:
Please email to : kpope@riceswd.com rozanne@valornet.com

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	8/2/07	9:15	Raelyn Gardner	8/2/07	9:16
Relinquished by: Raelyn Gardner	8/2/07	12:15	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Andrea Lann	8.2.07	12:56

Laboratory Comments:

Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on container(s)	N
Custody seals on container(s)	N
Custody seals on cooler(s)	N
Sample Hand Delivered by Sampler/Client Rep. ?	N
by Courier? UPS DHL FedEx Lone Star	
Temperature Upon Receipt:	1.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Fite

Date/ Time: 8-2-07 12:50

Lab ID # :

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	1.5 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

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

CARDINAL LABORATORIES

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

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

Receiving Date: 12/20/07
Reporting Date: 01/04/08
Project Number: NOT GIVEN
Project Name: HOBBS JUNCTION E-33-1
Project Location: T18S-R38E-SEC33 E~LEA COUNTY, NM

Sampling Date: 12/19/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM/KS

LAB NUMBER SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity ($mgCaCO_3/L$)
ANALYSIS DATE:	01/02/08	01/02/08	01/02/08	01/02/08	12/27/07	12/27/07
H13958-1 MONITOR WELL #1	148	134	33.1	7.28	1,514	188
Quality Control	NR	49.2	54.0	3.19	1,424	NR
True Value QC	NR	50.0	50.0	3.00	1,413	NR
% Recovery	NR	98.5	108	106	101	NR
Relative Percent Difference	NR	< 0.1	6.1	10.2	0.9	NR
METHODS:		SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

	Cl^- (mg/L)	SO_4 (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	12/27/07	12/28/07	12/27/07	12/27/07	12/27/07	12/20/07
H13958-1 MONITOR WELL #1	308	174	0	229	7.28	933
Quality Control	500	27.8	NR	1000	7.06	NR
True Value QC	500	25.0	NR	1000	7.00	NR
% Recovery	100	111	NR	100	101	NR
Relative Percent Difference	< 0.1	17.4	NR	< 0.1	< 0.1	NR
METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1

*Note: Revised report.

Kristin Farris-Pope
Chemist

01/04/08
Date

CARDINAL LABORATORIES

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

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

Receiving Date: 12/20/07
Reporting Date: 12/21/07
Corrected Reporting Date: 01/04/08
Project Number: NOT GIVEN
Project Name: HOBBS JUNCTION E-33-1
Project Location: T18S-R38E-SEC33 E ~ LEA COUNTY, NM
Lab Number: H13958-1
Sample ID: MONITOR WELL #1

Analysis Date: 12/20/07
Sampling Date: 12/19/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: BC

CORRECTED COPY

VOLATILES (mg/L)	Sample Result H13958-1	Method Blank	QC	%Recov.	True Value QC
Benzene	<0.002	<0.002	0.114	114	0.100
Toluene	<0.002	<0.002	0.110	110	0.100
Ethylbenzene	<0.002	<0.002	0.113	113	0.100
m,p-Xylene	<0.004	<0.004	0.223	112	0.200
o-Xylene	<0.002	<0.002	0.111	111	0.100
Naphthalene	0.005	<0.002	0.102	102	0.100

	% RECOVERY
Dibromofluoromethane	102
Toluene-d8	88
Bromofluorobenzene	81

METHODS: EPA SW-846 8260

Burgess J. A. Cooke, Ph. D.

1/04/08
Date

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

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: RICE Operating Company	BILL TO Company: RICE Operating Company PO#
Project Manager: Kristin Farris-Pope, Project Scientist	Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240	Phone#: (505) 393-9174 Fax#: (505)397-1471
Phone #: (505) 393-9174	Fax #: (505) 397-1471
Project #:	Project Name: Hobbs Junction B-33-1
Project Location: T18S-R38E-Sec33 E ~ Lea County - New Mexico	Sampler Signature: Rozanne Johnson (505)631-9310 rozanne@valornet.com

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (2 40ml VOA)	HNO_3	$NaHSO_4$	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2007)	TIME	MTBE 8021B/602	BTEX-N 8260	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content		Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
H13958-1	Monitor Well #1	G	3	X				2				1		12-19	14:35		X																X	X	X		

Relinquished by: Rozanne Johnson	Date: 12-20-2007	Time: 10:45	Received by:
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff)

Date: 12/20/07 Time: 10:45

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

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

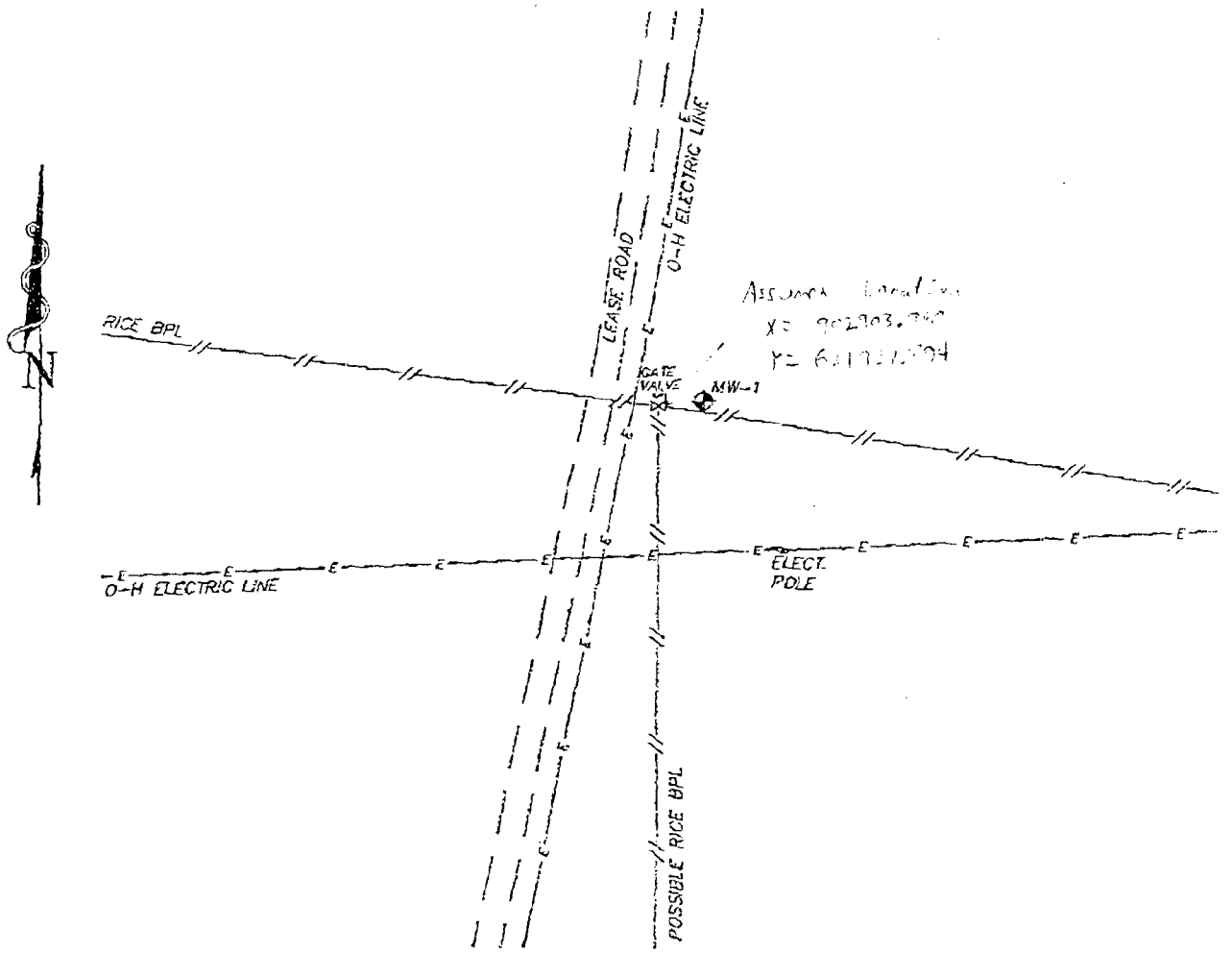
Sample Condition: Cool: Yes [X] No [ ] Intact: Yes [X] No [ ]

CHECKED BY: (Initials) MCAB

REMARKS:

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

SECTION 33, TOWNSHIP 18 SOUTH, RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



Assumed Location
X= 902303.960
Y= 621927.824

S/b T-18-S

NOTE:
ELEVATIONS ARE ON BLACK MARK ON NORTH SIDE OF PVC CASING.

NEW MEXICO STATE PLANE COORDINATES (NAD83)

WELL	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV. PVC	ELEV. GRND
MW-1	621927.824	902373.960	N 32°42'15.2"	W 103°09'28.8"	3639.44'	3637.65'

100 0 100 200 FEET

SCALE: 1" = 100'

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES N.M. R.S. No. 7977
TEXAS P.L.S. No. 5074

BASIN SURVEYS P.O. BOX 1786 – HOBBS, NEW MEXICO

W.O. Number: 6995 | Drawn By: J. M. SMALL

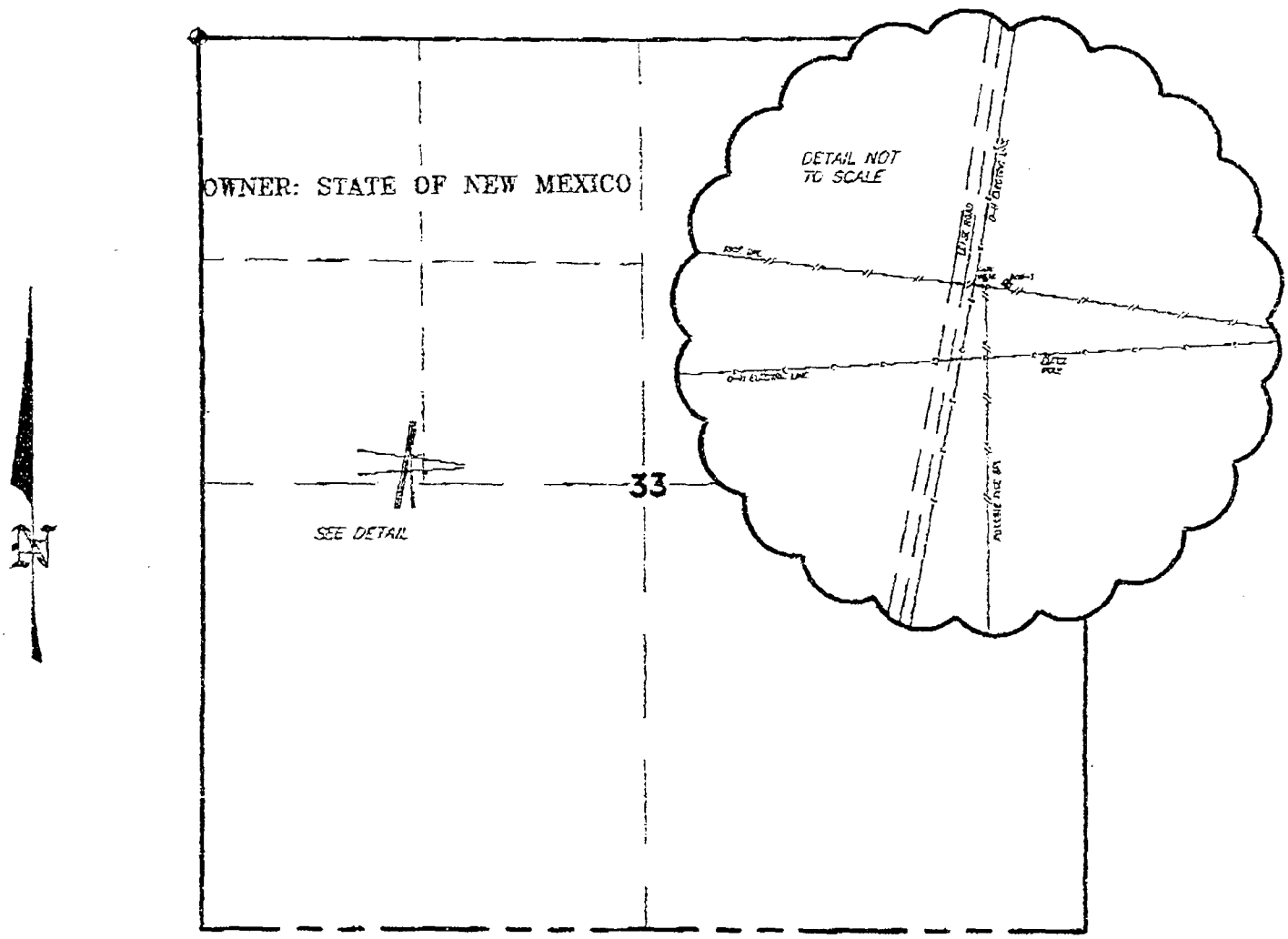
RICE OPERATING COMPANY

REF: MONITOR WELL FOR THE E-33-1 HOBBS SITE

MONITOR WELL LOCATED IN
SECTION 33, TOWNSHIP 18 SOUTH, RANGE 38 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

Survey Date: 08-08-2006 | Sheet 1 of 1 Sheets

CTION 33, TOWNSHIP 18 SOUTH, RANGE 38 EAST, N.M.P.M.,
A COUNTY, NEW MEXICO.



NOTE:
ELEVATIONS ARE ON BLACK MARK ON NORTH SIDE OF PVC CASING.

NEW MEXICO STATE PLANE COORDINATES (NAD83)

WELL	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV. PVC	ELEV. GRND.
MW-1	621927.894	902873.960	N 32°42'15.2"	W 103°09'28.8"	3639.44'	3637.68'

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES N.M. P.S. No. 7977
TEXAS P.L.S. No. 5074

1000 0 1000 2000 FEET

RICE OPERATING COMPANY

REF: MONITOR WELL FOR THE E-33-1 HOBBS SITE

MONITOR WELL LOCATED IN

SECTION 33, TOWNSHIP 18 SOUTH, RANGE 38 EAST,

N.M.P.M., LEA COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786 – HOBBS, NEW MEXICO

W.O. Number: 6995 | Drawn By: J. SMALL

Survey Date: 08-08-2006 | Sheet 1 of 1 Sheets
Survey Date: 08-08-2006 | Sheet 1 of 1 Sheets