1R - 426-37

REPORTS

DATE:

2-12-07

R. T. HICKS CONSULTANTS, LTD.

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

February 12, 2007

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

RE: 2006 Annual Ground Water Monitoring Report
Jct. N-29, Sec 29, T21S, R37E, Unit "N"
NMOCD Case #: 1R0426-37

Dear Mr. Wayne Price:

R.T. Hicks Consultants, Ltd is pleased to submit the 2006 Annual Ground Water Monitoring Report for the Jct. N-29 site located in the BD 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 vs. time for chloride and TDS.
3. Laboratory data sheets associated with the routine sampling for 2006.

The Final Closure Report will be submitted to NMOCD by February 26, 2007.

Thank you for your consideration of this annual summary information. The attached CD contains an electronic copy of the annual 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

Table 1: chemistry over time

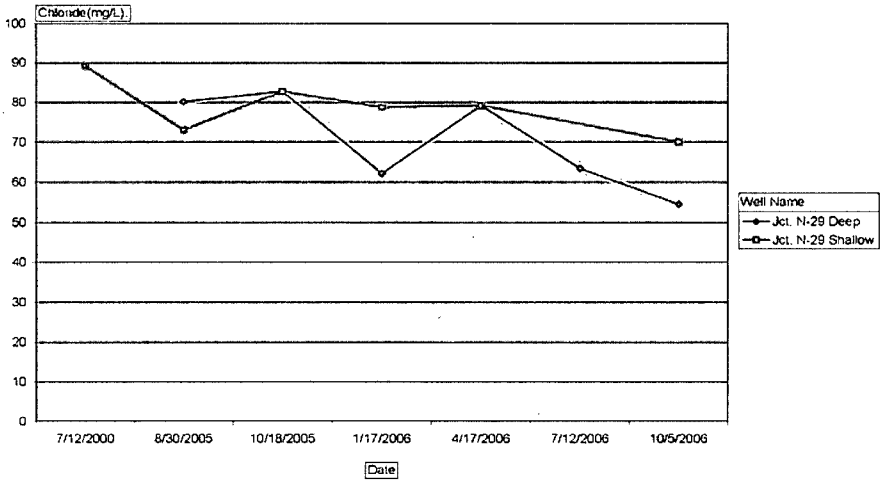
Jct. N-29

Well Name	*Date*	*DTW (ft)*	*Chloride (mg/L)*	*Sulfate (mg/L)*	*TDS (mg/L)*	*Benzene (ug/L)*	*Toluene (ug/L)*	*EthylBenzene (ug/L)*	*Total Xylenes (ug/L)*	*Comments*
Jct. N-29 Deep	8/30/2005	89.20	80.2	170	764	<0.001	<0.001	<0.001	<0.001	
Jct. N-29 Deep	10/18/2005	XXX	82.8	86.3	766	<0.001	<0.001	<0.001	<0.001	
Jct. N-29 Deep	1/17/2006	89.10	62.2	111	420	<0.001	<0.001	<0.001	<0.001	
Jct. N-29 Deep	4/17/2006	89.94	79.2	80.4	584	<0.001	<0.001	<0.001	<0.001	
Jct. N-29 Deep	7/12/2006	88.20	63.4	113	552	<0.001	<0.001	<0.001	<0.001	
Jct. N-29 Deep	10/5/2006	88.90	54.5	92.7	520	<0.001	<0.001	<0.001	<0.001	Clear with no odor
Jct. N-29 Shallow	7/12/2000	89.17	89.2	118	566	<0.001	<0.001	<0.001	<0.001	
Jct. N-29 Shallow	8/30/2005	89.50	73.1	91.9	590	<0.001	<0.001	<0.001	<0.001	
Jct. N-29 Shallow	10/18/2005	89.90	82.8	179	766	<0.001	<0.001	<0.001	<0.001	
Jct. N-29 Shallow	1/17/2006	89.30	78.8	86.3	454	<0.001	<0.001	<0.001	<0.001	
Jct. N-29 Shallow	4/17/2006	89.42	79.2	80.4	584	<0.001	<0.001	<0.001	<0.001	
Jct. N-29 Shallow	10/5/2006	89.11	70.1	87.2	534	<0.001	<0.001	<0.001	<0.001	Clear with no odor

Ground Water Quality at Jct N-29

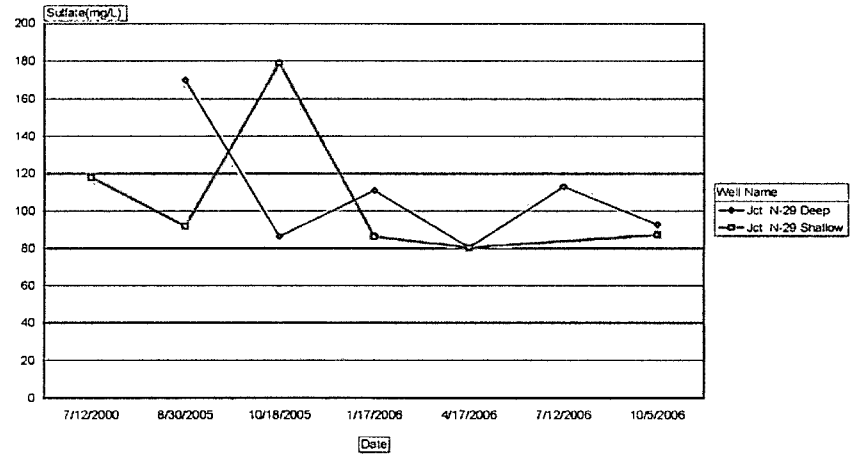
Site Name Jct N-29

Chloride Over Time



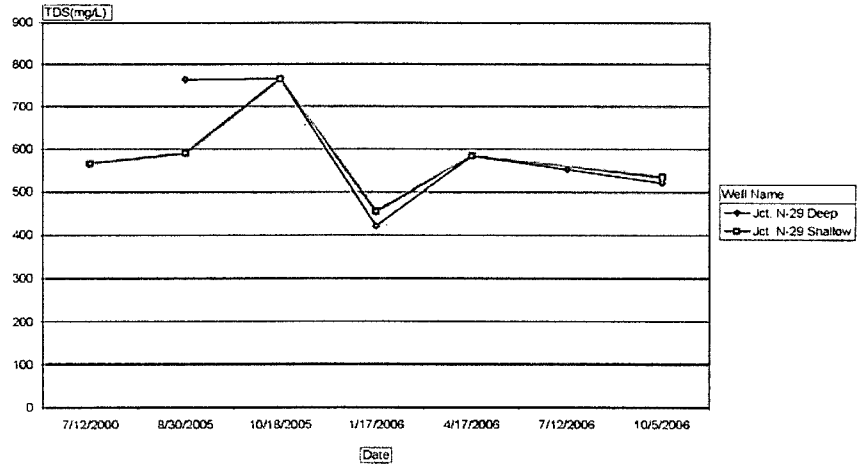
Site Name Jct N-29

Sulfate Over Time



Site Name Jct N-29

TDS Over Time



ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: BD Jct. N-29

Project Number: None Given

Location: Lea County

Lab Order Number: 6A19008

Report Date: 01/30/06

Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	01/30/06 09:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6A19008-01	Water	01/17/06 11:00	01/19/06 11:10
Monitor Well #2- Shallow	6A19008-02	Water	01/17/06 09:35	01/19/06 11:10

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	01/30/06 09:33

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6A19008-01) Water									
Benzene	ND	0.00100	mg/L	1	EA62304	01/23/06	01/24/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.5 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.8 %*		*80-120*	"	"	"	"	
Monitor Well #2- Shallow (6A19008-02) Water									
Benzene	ND	0.00100	mg/L	1	EA62304	01/23/06	01/24/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.5 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.0 %*		*80-120*	"	"	"	"	

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	01/30/06 09:33

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 (6A19008-01) Water									
Total Alkalinity	**204**	2.00	mg/L	1	EA62406	01/26/06	01/26/06	EPA 310.1M	
Chloride	**62.2**	5.00	"	10	EA62018	01/20/06	01/20/06	EPA 300.0	
Total Dissolved Solids	**420**	5.00	"	1	EA62307	01/19/06	01/20/06	EPA 160.1	
Sulfate	**111**	5.00	"	10	EA62018	01/20/06	01/20/06	EPA 300.0	
Monitor Well #2- Shallow (6A19008-02) Water									
Total Alkalinity	**187**	2.00	mg/L	1	EA62406	01/26/06	01/26/06	EPA 310.1M	
Chloride	**78.8**	5.00	"	10	EA62018	01/20/06	01/20/06	EPA 300.0	
Total Dissolved Solids	**454**	5.00	"	1	EA62307	01/19/06	01/20/06	EPA 160.1	
Sulfate	**86.3**	5.00	"	10	EA62018	01/20/06	01/20/06	EPA 300.0	

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	01/30/06 09:33

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6A19008-01) Water									
Calcium	**30.3**	0.100	mg/L	10	EA62615	01/26/06	01/26/06	EPA 6010B	
Magnesium	**18.0**	0.0100	"	"	"	"	"	"	
Potassium	**9.30**	0.500	"	"	"	"	"	"	
Sodium	**116**	0.500	"	50	"	"	"	"	
Monitor Well #2- Shallow (6A19008-02) Water									
Calcium	**53.2**	0.100	mg/L	10	EA62615	01/26/06	01/26/06	EPA 6010B	
Magnesium	**24.1**	0.0100	"	"	"	"	"	"	
Potassium	**4.64**	0.500	"	"	"	"	"	"	
Sodium	**71.8**	0.100	"	"	"	"	"	"	

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA62304 - EPA 5030C (GC)										
Blank (EA62304-BLK1)				Prepared & Analyzed: 01/23/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*37.5*		*ug/l*	*40.0*		*93.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.6*		*"*	*40.0*		*81.5*	*80-120*			
LCS (EA62304-BS1)				Prepared & Analyzed: 01/23/06						
Benzene	0.0461	0.00100	mg/L	0.0500		92.2	80-120			
Toluene	0.0462	0.00100	"	0.0500		92.4	80-120			
Ethylbenzene	0.0427	0.00100	"	0.0500		85.4	80-120			
Xylene (p/m)	0.0846	0.00100	"	0.100		84.6	80-120			
Xylene (o)	0.0451	0.00100	"	0.0500		90.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*38.5*		*ug/l*	*40.0*		*96.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.9*		*"*	*40.0*		*94.8*	*80-120*			
Calibration Check (EA62304-CCV1)				Prepared & Analyzed: 01/23/06						
Benzene	44.4		ug/l	50.0		88.8	80-120			
Toluene	45.2		"	50.0		90.4	80-120			
Ethylbenzene	42.5		"	50.0		85.0	80-120			
Xylene (p/m)	83.1		"	100		83.1	80-120			
Xylene (o)	44.5		"	50.0		89.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*35.8*		*"*	*40.0*		*89.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.5*		*"*	*40.0*		*88.8*	*80-120*			
Matrix Spike (EA62304-MS1)	**Source: 6A20019-01**			Prepared & Analyzed: 01/23/06						
Benzene	0.0455	0.00100	mg/L	0.0500	ND	91.0	80-120			
Toluene	0.0452	0.00100	"	0.0500	ND	90.4	80-120			
Ethylbenzene	0.0417	0.00100	"	0.0500	ND	83.4	80-120			
Xylene (p/m)	0.0829	0.00100	"	0.100	ND	82.9	80-120			
Xylene (o)	0.0445	0.00100	"	0.0500	ND	89.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*38.2*		*ug/l*	*40.0*		*95.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.2*		*"*	*40.0*		*90.5*	*80-120*			

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	01/30/06 09:33

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA62304 - EPA 5030C (GC)										
Matrix Spike Dup (EA62304-MSD1)	**Source: 6A20019-01**			Prepared & Analyzed: 01/23/06						
Benzene	0.0427	0.00100	mg/L	0.0500	ND	85.4	80-120	6.35	20	
Toluene	0.0428	0.00100	"	0.0500	ND	85.6	80-120	5.45	20	
Ethylbenzene	0.0404	0.00100	"	0.0500	ND	80.8	80-120	3.17	20	
Xylene (p/m)	0.0802	0.00100	"	0.100	ND	80.2	80-120	3.31	20	
Xylene (o)	0.0427	0.00100	"	0.0500	ND	85.4	80-120	4.13	20	
Surrogate: a,a,a-Trifluorotoluene	*37.2*		*ug/l*	*40.0*		*93.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.4*		*"*	*40.0*		*88.5*	*80-120*			

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	01/30/06 09:33

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 EA62018 - General Preparation (WetChem)										
Blank (EA62018-BLK1)				Prepared & Analyzed: 01/20/06						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EA62018-BS1)				Prepared & Analyzed: 01/20/06						
Chloride	8.74		mg/L	10.0		87.4	80-120			
Sulfate	9.62		"	10.0		96.2	80-120			
Calibration Check (EA62018-CCV1)				Prepared & Analyzed: 01/20/06						
Sulfate	9.77		mg/L	10.0		97.7	80-120			
Chloride	8.88		"	10.0		88.8	80-120			
Duplicate (EA62018-DUP1)	**Source: 6A19008-01**			Prepared & Analyzed: 01/20/06						
Sulfate	110	5.00	mg/L		111			0.905	20	
Chloride	61.5	5.00	"		62.2			1.13	20	
Batch EA62307 - General Preparation (WetChem)										
Blank (EA62307-BLK1)				Prepared: 01/19/06 Analyzed: 01/20/06						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EA62307-DUP1)	**Source: 6A19005-01**			Prepared: 01/19/06 Analyzed: 01/20/06						
Total Dissolved Solids	2400	5.00	mg/L		2480			3.28	5	
Batch EA62406 - General Preparation (WetChem)										
Blank (EA62406-BLK1)				Prepared & Analyzed: 01/26/06						
Total Alkalinity	ND	2.00	mg/L							

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	01/30/06 09:33

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 EA62406 - General Preparation (WetChem)										
LCS (EA62406-BS1)				Prepared & Analyzed: 01/26/06						
Bicarbonate Alkalinity	220		mg/L	200		110	85-115			
Duplicate (EA62406-DUP1)	**Source: 6A19005-01**			Prepared & Analyzed: 01/26/06						
Total Alkalinity	258	2.00	mg/L		256			0.778	20	
Reference (EA62406-SRM1)				Prepared & Analyzed: 01/26/06						
Total Alkalinity	97.0		mg/L	100		97.0	90-110			

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	01/30/06 09:33

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 EA62615 - 6010B/No Digestion										
Blank (EA62615-BLK1)				Prepared & Analyzed: 01/26/06						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EA62615-CCV1)				Prepared & Analyzed: 01/26/06						
Calcium	2.12		mg/L	2.00		106	85-115			
Magnesium	1.99		"	2.00		99.5	85-115			
Potassium	1.88		"	2.00		94.0	85-115			
Sodium	1.94		"	2.00		97.0	85-115			
Duplicate (EA62615-DUP1)	**Source: 6A19005-01**			Prepared & Analyzed: 01/26/06						
Calcium	224	0.500	mg/L		222			0.897	20	
Magnesium	115	0.0500	"		120			4.26	20	
Potassium	14.6	0.500	"		15.2			4.03	20	
Sodium	306	0.500	"		313			2.26	20	

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	01/30/06 09:33

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: 1/30/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Farris Pope kpriceswd@valornet.com
Project Name: BD Jct N-29
Company Name: RICE Operating Company
Project #:
Company Address: 122 W. Taylor Street
Project Loc: Lea County
City/State/Zip: Hobbs, New Mexico 88240
PO #:
Telephone No: (505) 393-9174 Fax No: (505) 397-1471
Sampler Signature: Rozanne Johnson (505) 631-9310
Email: rozanne@valornet.com

6A19008

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl (2) 40 ml glass vials	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None (1) 1 Liter HDPE	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify)	Analyze For: TCLP:	Analyze For: TOTAL: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Dissolved Solids				RUSH TAT (Pre-Schedule)	Standard TAT
-01	Monitor Well #1-Deep	1/17/2006	11:00	3	X		2			1		X						X	X					X			X					X
-02	Monitor Well #2-Shallow	1/17/2006	9:35	3	X		2			1		X						X	X					X			X					X

Special Instructions:
PLEASE Email RESULTS TO: kpriceswd@valornet.com & mfranks@riceswd.com

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Coolers
Temperature Upon Receipt: 2.0
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	1/19/2006	6:51		1/19/2006	6:52
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	1/19/2006	11:10		1/19/06	11:10

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

Client: Elite DP-

Date/Time: 11/19/06 11:10

Order #: 6A19008

Initials: NK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	-2.0 C
Shipping container/cooler in good condition?	~~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?	~~Yes~~	No	
Sample Instructions complete on Chain of Custody?	~~Yes~~	No	
Chain of Custody signed when relinquished and received?	~~Yes~~	No	
Chain of custody agrees with sample label(s)	~~Yes~~	No	
Container labels legible and intact?	~~Yes~~	No	
Sample Matrix and properties same as on chain of custody?	~~Yes~~	No	
Samples in proper container/bottle?	~~Yes~~	No	
Samples properly preserved?	~~Yes~~	No	
Sample bottles intact?	~~Yes~~	No	
Preservations documented on Chain of Custody?	~~Yes~~	No	
Containers documented on Chain of Custody?	~~Yes~~	No	
Sufficient sample amount for indicated test?	~~Yes~~	No	
All samples received within sufficient hold time?	~~Yes~~	No	
VOC samples have zero headspace?	~~Yes~~	No	Not Applicable

Other observations:

Samples not frozen

Variance Documentation:

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

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: BD Jct. N-29

Project Number: None Given

Location: Lea County

Lab Order Number: 6D20005

Report Date: 05/01/06

Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/01/06 11:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1- Deep	6D20005-01	Water	04/17/06 14:10	04/20/06 15:05
Monitor Well #2- Shallow	6D20005-02	Water	04/17/06 15:25	04/20/06 15:05

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/01/06 11:42

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6D20005-01) Water									
Benzene	ND	0.00100	mg/L	1	ED62105	04/21/06	04/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Monitor Well #2- Shallow (6D20005-02) Water									
Benzene	ND	0.00100	mg/L	1	ED62105	04/21/06	04/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		"	"	"	"	

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/01/06 11:42

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- Deep (6D20005-01) Water									
Total Alkalinity	**198**	2.00	mg/L	1	ED62402	04/25/06	04/25/06	EPA 310.1M	
Chloride	**55.9**	5.00	"	10	ED62120	04/24/06	04/24/06	EPA 300.0	
Total Dissolved Solids	**502**	5.00	"	1	ED62405	04/20/06	04/21/06	EPA 160.1	
Sulfate	**86.4**	5.00	"	10	ED62120	04/24/06	04/24/06	EPA 300.0	
Monitor Well #2- Shallow (6D20005-02) Water									
Total Alkalinity	**188**	2.00	mg/L	1	ED62402	04/25/06	04/25/06	EPA 310.1M	
Chloride	**79.2**	5.00	"	10	ED62120	04/24/06	04/24/06	EPA 300.0	
Total Dissolved Solids	**584**	5.00	"	1	ED62405	04/20/06	04/21/06	EPA 160.1	
Sulfate	**80.4**	5.00	"	10	ED62120	04/24/06	04/24/06	EPA 300.0	

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/01/06 11:42

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6D20005-01) Water									
Calcium	**28.8**	0.100	mg/L	10	ED62106	04/21/06	04/21/06	*EPA 6010B*	
Magnesium	**13.4**	0.0100	"	"	"	"	"	"	
Potassium	**10.0**	0.500	"	"	"	"	"	"	
Sodium	**122**	0.500	"	50	"	"	"	"	
Monitor Well #2- Shallow (6D20005-02) Water									
Calcium	**49.9**	0.100	mg/L	10	ED62106	04/21/06	04/21/06	EPA 6010B	
Magnesium	**24.2**	0.0100	"	"	"	"	"	"	
Potassium	**5.20**	0.500	"	"	"	"	"	"	
Sodium	**80.1**	0.500	"	50	"	"	"	"	

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Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/01/06 11:42

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED62105 - EPA 5030C (GC)										
Blank (ED62105-BLK1)				Prepared & Analyzed: 04/21/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*42.2*		*ug/l*	*40.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*44.5*		*"*	*40.0*		*111*	*80-120*			
LCS (ED62105-BS1)				Prepared & Analyzed: 04/21/06						
Benzene	0.0477	0.00100	mg/L	0.0500		95.4	80-120			
Toluene	0.0506	0.00100	"	0.0500		101	80-120			
Ethylbenzene	0.0523	0.00100	"	0.0500		105	80-120			
Xylene (p/m)	0.117	0.00100	"	0.100		117	80-120			
Xylene (o)	0.0580	0.00100	"	0.0500		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.5*		*ug/l*	*40.0*		*93.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.1*		*"*	*40.0*		*103*	*80-120*			
Calibration Check (ED62105-CCV1)				Prepared: 04/21/06 Analyzed: 04/23/06						
Benzene	54.3		ug/l	50.0		109	80-120			
Toluene	53.4		"	50.0		107	80-120			
Ethylbenzene	57.0		"	50.0		114	80-120			
Xylene (p/m)	115		"	100		115	80-120			
Xylene (o)	56.7		"	50.0		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.8*		*"*	*40.0*		*87.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.6*		*"*	*40.0*		*94.0*	*80-120*			
Matrix Spike (ED62105-MS1)	**Source: 6D17002-02**			Prepared & Analyzed: 04/21/06						
Benzene	0.0508	0.00100	mg/L	0.0500	ND	102	80-120			
Toluene	0.0537	0.00100	"	0.0500	ND	107	80-120			
Ethylbenzene	0.0579	0.00100	"	0.0500	ND	116	80-120			
Xylene (p/m)	0.120	0.00100	"	0.100	ND	120	80-120			
Xylene (o)	0.0581	0.00100	"	0.0500	ND	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.9*		*ug/l*	*40.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.3*		*"*	*40.0*		*118*	*80-120*			

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Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/01/06 11:42

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED62105 - EPA 5030C (GC)										
Matrix Spike Dup (ED62105-MSD1)	**Source: 6D17002-02**			Prepared & Analyzed: 04/21/06						
Benzene	0.0514	0.00100	mg/L	0.0500	ND	103	80-120	0.976	20	
Toluene	0.0540	0.00100	"	0.0500	ND	108	80-120	0.930	20	
Ethylbenzene	0.0567	0.00100	"	0.0500	ND	113	80-120	2.62	20	
Xylene (p/m)	0.119	0.00100	"	0.100	ND	119	80-120	0.837	20	
Xylene (o)	0.0596	0.00100	"	0.0500	ND	119	80-120	2.55	20	
Surrogate: a,a,a-Trifluorotoluene	*39.2*		*ug/l*	*40.0*		*98.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*45.9*		*"*	*40.0*		*115*	*80-120*			

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/01/06 11:42

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 ED62120 - General Preparation (WetChem)										
Blank (ED62120-BLK1)				Prepared & Analyzed: 04/24/06						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (ED62120-BS1)				Prepared & Analyzed: 04/24/06						
Sulfate	8.76		mg/L	10.0		87.6	80-120			
Chloride	9.01		"	10.0		90.1	80-120			
Calibration Check (ED62120-CCV1)				Prepared & Analyzed: 04/24/06						
Sulfate	9.38		mg/L	10.0		93.8	80-120			
Chloride	9.40		"	10.0		94.0	80-120			
Duplicate (ED62120-DUP1)	**Source: 6D20005-01**			Prepared & Analyzed: 04/24/06						
Sulfate	86.7	5.00	mg/L		86.4			0.347	20	
Chloride	56.7	5.00	"		55.9			1.42	20	
Batch ED62402 - General Preparation (WetChem)										
Blank (ED62402-BLK1)				Prepared & Analyzed: 04/25/06						
Total Alkalinity	ND	2.00	mg/L							
LCS (ED62402-BS1)				Prepared & Analyzed: 04/25/06						
Bicarbonate Alkalinity	214	2.00	mg/L	200		107	85-115			
Duplicate (ED62402-DUP1)	**Source: 6D20005-01**			Prepared & Analyzed: 04/25/06						
Total Alkalinity	197	2.00	mg/L		198			0.506	20	
Reference (ED62402-SRM1)				Prepared & Analyzed: 04/25/06						
Total Alkalinity	97.0		mg/L	100		97.0	90-110			

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/01/06 11:42

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 ED62405 - Filtration Preparation										
Blank (ED62405-BLK1)				Prepared: 04/20/06 Analyzed: 04/21/06						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (ED62405-DUP1)		**Source: 6D20006-01**		Prepared: 04/20/06 Analyzed: 04/21/06						
Total Dissolved Solids	2390	5.00	mg/L		2290			4.27	5	

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122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/01/06 11:42

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 ED62106 - 6010B/No Digestion										
Blank (ED62106-BLK1)				Prepared & Analyzed: 04/21/06						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (ED62106-CCV1)				Prepared & Analyzed: 04/21/06						
Calcium	1.98		mg/L	2.00		99.0	85-115			
Magnesium	2.10		"	2.00		105	85-115			
Potassium	2.06		"	2.00		103	85-115			
Sodium	2.06		"	2.00		103	85-115			
Duplicate (ED62106-DUP1)	**Source: 6D20005-01**			Prepared & Analyzed: 04/21/06						
Calcium	25.1	0.100	mg/L		28.8			13.7	20	
Magnesium	15.9	0.0100	"		13.4			17.1	20	
Potassium	8.87	0.500	"		10.0			12.0	20	
Sodium	122	0.500	"		122			0.00	20	

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/01/06 11:42

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: 5/1/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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
Email: rozanne@valornet.com

Project Name: BD Jct. N-29
Project #:
Project Loc: Lea County
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl (2) 40 ml glass vials	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None (1) 1 Liter HDPE	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: TPH: 418.1 8015M 1005 1006	TOTAL: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Dissolved Solids				RUSH TAT (Pre-Schedule)	Standard TAT
-01	Monitor Well #1 - Deep	4/17/2006	14:10	3	X		2			1		X						X	X					X			X					X
-02	Monitor Well #2 - Shallow	4/17/2006	15:25	3	X		2			1		X						X	X					X			X					X

Special Instructions:
PLEASE Email RESULTS TO: kpope@riceswd.com & mfranks@riceswd.com

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers / Cooler
Temperature Upon Receipt:
Laboratory Comments: 2.6

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	4/20/06	15:05			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				4/20/06	15:05

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

Client: Rice Op.

Date/Time: 4/20/06 15:05

Order #: 6D20005

Initials: CK

Sample Receipt Checklist

emperature of container/cooler?	Yes	No	2.5 C
hipping container/cooler in good condition?	Yes (circled)	No	
ustody Seals intact on shipping container/cooler?	Yes (circled)	No	Not present
ustody Seals intact on sample bottles?	Yes (circled)	No	Not present
hain of custody present?	Yes (circled)	No	
ample Instructions complete on Chain of Custody?	Yes (circled)	No	
hain of Custody signed when relinquished and received?	Yes (circled)	No	
hain of custody agrees with sample label(s)	Yes (circled)	No	
ontainer labels legible and intact?	Yes (circled)	No	
ample Matrix and properties same as on chain of custody?	Yes (circled)	No	
amples in proper container/bottle?	Yes (circled)	No	
amples properly preserved?	Yes (circled)	No	
ample bottles intact?	Yes (circled)	No	
reservations documented on Chain of Custody?	Yes (circled)	No	
ontainers documented on Chain of Custody?	Yes (circled)	No	
ufficient sample amount for indicated test?	Yes (circled)	No	
ll samples received within sufficient hold time?	Yes (circled)	No	
OC samples have zero headspace?	Yes (circled)	No	Not Applicable

)ther observations:

Variance Documentation:

ontact Person: - Date/Time: Contacted by:

egarding:

orrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: BD Jct. N-29

Project Number: None Given

Location: T21S-R37E-Sec.29N, Lea County, NM

Lab Order Number: 6J10003

Report Date: 10/23/06

Rice Operating Co.	Project: BD Jct. N-29	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- Deep	6J10003-01	Water	10/05/06 13:40	10-09-2006 17:20
Monitor Well #1- Shallow	6J10003-02	Water	10/05/06 14:35	10-09-2006 17:20

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6J10003-01) Water									
Benzene	ND	0.00100	mg/L	1	EJ61407	10/14/06	10/15/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.8 %*	*80-120*		"	"	"	"	
Monitor Well #1- Shallow (6J10003-02) Water									
Benzene	ND	0.00100	mg/L	1	EJ61407	10/14/06	10/15/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*	*80-120*		"	"	"	"	

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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- Deep (6J10003-01) Water									
Total Alkalinity	**240**	2.00	mg/L	1	EJ61011	10/10/06	10/10/06	EPA 310.1M	
Chloride	**54.5**	5.00	"	10	EJ61103	10/10/06	10/10/06	EPA 300.0	
Total Dissolved Solids	**520**	10.0	"	1	EJ61016	10/10/06	10/11/06	EPA 160.1	
Sulfate	**92.7**	5.00	"	10	EJ61103	10/10/06	10/10/06	EPA 300.0	
Monitor Well #1- Shallow (6J10003-02) Water									
Total Alkalinity	**216**	2.00	mg/L	1	EJ61011	10/10/06	10/10/06	EPA 310.1M	
Chloride	**70.1**	5.00	"	10	EJ61103	10/10/06	10/10/06	EPA 300.0	
Total Dissolved Solids	**534**	10.0	"	1	EJ61016	10/10/06	10/11/06	EPA 160.1	
Sulfate	**87.2**	5.00	"	10	EJ61103	10/10/06	10/10/06	EPA 300.0	

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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
Monitor Well #1- Deep (6J10003-01) Water									
Calcium	**28.7**	0.810	mg/L	10	EJ61107	10/11/06	10/11/06	EPA 6010B	
Magnesium	**17.1**	0.360	"	"	"	"	"	"	
Potassium	**10.8**	0.600	"	"	"	"	"	"	
Sodium	**102**	2.15	"	50	"	"	"	"	
Monitor Well #1- Shallow (6J10003-02) Water									
Calcium	**45.0**	0.810	mg/L	10	EJ61107	10/11/06	10/11/06	EPA 6010B	
Magnesium	**24.1**	0.360	"	"	"	"	"	"	
Potassium	**4.95**	0.600	"	"	"	"	"	"	
Sodium	**84.3**	0.430	"	"	"	"	"	"	

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Rice Operating Co.	Project: BD Jct. N-29	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ61407 - EPA 5030C (GC)										
Blank (EJ61407-BLK1)				Prepared: 10/14/06 Analyzed: 10/15/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*33.5*		*ug/l*	*40.0*		*83.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.0*		*"*	*40.0*		*87.5*	*80-120*			
LCS (EJ61407-BS1)				Prepared: 10/14/06 Analyzed: 10/15/06						
Benzene	0.0451	0.00100	mg/L	0.0500		90.2	80-120			
Toluene	0.0430	0.00100	"	0.0500		86.0	80-120			
Ethylbenzene	0.0513	0.00100	"	0.0500		103	80-120			
Xylene (p/m)	0.0929	0.00100	"	0.100		92.9	80-120			
Xylene (o)	0.0423	0.00100	"	0.0500		84.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.4*		*ug/l*	*40.0*		*86.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.8*		*"*	*40.0*		*110*	*80-120*			
Calibration Check (EJ61407-CCV1)				Prepared: 10/14/06 Analyzed: 10/17/06						
Benzene	49.9		ug/l	50.0		99.8	80-120			
Toluene	43.1		"	50.0		86.2	80-120			
Ethylbenzene	42.0		"	50.0		84.0	80-120			
Xylene (p/m)	83.7		"	100		83.7	80-120			
Xylene (o)	41.2		"	50.0		82.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.1*		*"*	*40.0*		*90.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.3*		*"*	*40.0*		*85.8*	*80-120*			
Matrix Spike (EJ61407-MS1)	**Source: 6J12015-01**			Prepared: 10/14/06 Analyzed: 10/17/06						
Benzene	0.0501	0.00100	mg/L	0.0500	ND	100	80-120			
Toluene	0.0440	0.00100	"	0.0500	ND	88.0	80-120			
Ethylbenzene	0.0416	0.00100	"	0.0500	ND	83.2	80-120			
Xylene (p/m)	0.0914	0.00100	"	0.100	ND	91.4	80-120			
Xylene (o)	0.0427	0.00100	"	0.0500	ND	85.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*35.5*		*ug/l*	*40.0*		*88.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.2*		*"*	*40.0*		*100*	*80-120*			

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Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ61407 - EPA 5030C (GC)										
Matrix Spike Dup (EJ61407-MSD1)	**Source: 6J12015-01**			Prepared: 10/14/06 Analyzed: 10/17/06						
Benzene	0.0502	0.00100	mg/L	0.0500	ND	100	80-120	0.00	20	
Toluene	0.0442	0.00100	"	0.0500	ND	88.4	80-120	0.454	20	
Ethylbenzene	0.0412	0.00100	"	0.0500	ND	82.4	80-120	0.966	20	
Xylene (p/m)	0.0913	0.00100	"	0.100	ND	91.3	80-120	0.109	20	
Xylene (o)	0.0437	0.00100	"	0.0500	ND	87.4	80-120	2.31	20	
Surrogate: a,a,a-Trifluorotoluene	*35.4*		*ug/l*	*40.0*		*88.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.0*		*"*	*40.0*		*102*	*80-120*			

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Rice Operating Co.	Project: BD Jct. N-29	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 EJ61011 - General Preparation (WetChem)										
Blank (EJ61011-BLK1)				Prepared & Analyzed: 10/10/06						
Total Alkalinity	ND	2.00	mg/L							
LCS (EJ61011-BS1)				Prepared & Analyzed: 10/10/06						
Total Alkalinity	190	2.00	mg/L	200		95.0	85-115			
Duplicate (EJ61011-DUP1)		**Source: 6J09002-01**		Prepared & Analyzed: 10/10/06						
Total Alkalinity	248	2.00	mg/L		244			1.63	20	
Reference (EJ61011-SRM1)				Prepared & Analyzed: 10/10/06						
Total Alkalinity	250		mg/L	250		100	90-110			
Batch EJ61016 - Filtration Preparation										
Blank (EJ61016-BLK1)				Prepared: 10/10/06 Analyzed: 10/11/06						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EJ61016-DUP1)		**Source: 6J09002-01**		Prepared: 10/10/06 Analyzed: 10/11/06						
Total Dissolved Solids	1570	10.0	mg/L		1590			1.27	5	
Duplicate (EJ61016-DUP2)		**Source: 6J10002-03**		Prepared: 10/10/06 Analyzed: 10/11/06						
Total Dissolved Solids	3910	10.0	mg/L		3900			0.256	5	
Batch EJ61103 - General Preparation (WetChem)										
Blank (EJ61103-BLK1)				Prepared & Analyzed: 10/10/06						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							

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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 EJ61103 - General Preparation (WetChem)										
LCS (EJ61103-BS1)				Prepared & Analyzed: 10/10/06						
Chloride	10.8	0.500	mg/L	10.0		108	80-120			
Sulfate	10.3	0.500	"	10.0		103	80-120			
Calibration Check (EJ61103-CCV1)				Prepared & Analyzed: 10/10/06						
Chloride	10.5		mg/L	10.0		105	80-120			
Sulfate	10.2		"	10.0		102	80-120			
Duplicate (EJ61103-DUP1)	**Source: 6J10001-01**			Prepared & Analyzed: 10/10/06						
Sulfate	324	12.5	mg/L		315			2.82	20	
Chloride	506	12.5	"		494			2.40	20	
Duplicate (EJ61103-DUP2)	**Source: 6J10003-02**			Prepared & Analyzed: 10/10/06						
Sulfate	88.3	5.00	mg/L		87.2			1.25	20	
Chloride	69.2	5.00	"		70.1			1.29	20	
Matrix Spike (EJ61103-MS1)	**Source: 6J10001-01**			Prepared & Analyzed: 10/10/06						
Chloride	773	12.5	mg/L	250	494	112	80-120			
Sulfate	541	12.5	"	250	315	90.4	80-120			
Matrix Spike (EJ61103-MS2)	**Source: 6J10003-02**			Prepared & Analyzed: 10/10/06						
Chloride	185	5.00	mg/L	100	70.1	115	80-120			
Sulfate	182	5.00	"	100	87.2	94.8	80-120			

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Rice Operating Co.	Project: BD Jct. N-29	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 EJ61107 - 6010B/No Digestion										
Blank (EJ61107-BLK1)				Prepared & Analyzed: 10/11/06						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EJ61107-CCV1)				Prepared & Analyzed: 10/11/06						
Calcium	2.01		mg/L	2.00		100	85-115			
Magnesium	2.17		"	2.00		108	85-115			
Potassium	1.78		"	2.00		89.0	85-115			
Sodium	1.77		"	2.00		88.5	85-115			
Duplicate (EJ61107-DUP1)	**Source: 6J09002-01**			Prepared & Analyzed: 10/11/06						
Calcium	214	4.05	mg/L		213			0.468	20	
Magnesium	82.1	1.80	"		84.4			2.76	20	
Potassium	10.8	0.600	"		10.4			3.77	20	
Sodium	90.4	2.15	"		90.0			0.443	20	

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Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 10/23/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Kristin Farris Pope kpope@riceswd.com
Project Name: BD Junction N-29
Company Name: RICE Operating Company
Project Number:
Company Address: 122 W. Taylor Street
Project Loc: T21S-R37E-Sec29N, Lea County NM
City/State/Zip: Hobbs, New Mexico 88240
PO Number:
Telephone No: (505) 393-9174
Fax No: (505) 397-1471
Sampler Signature: Rozanne Johnson (505) 631-9310
Email: rozanne@valornet.com

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl (2) 40 ml glass vials	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None (1) 1 Liter HDPE	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: TPH: 418.1 8015M 1005 1006	Analyze For: TOTAL: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Dissolved Solids				RUSH TAT (Pre-Schedule)	Standard TAT
01	Monitor Well #1~ Deep	10/5/2006	13:40	3	X		2			1		X					X	X					X			X					X
02	Monitor Well #2 ~ Shallow	10/5/2006	14:35	3	X		2			1		X					X	X					X			X					X

Special Instructions:
PLEASE Email RESULTS TO: kpope@riceswd.com; mfranks@riceswd.com
rozanne@valornet.com

Sample Containers Intact? Y N
Labels on container? Y N
Custody Seals: Containers Coolers
Temperature Upon Receipt:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	10-9-06	12:45	James Johnson	10/9/06	12:46
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
James Johnson	10/9/06	17:20	Jeanne McNamara	10-09-06	1720

Laboratory Comments:
3,5 C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

ient: Rice Op.

ate/ Time: 10/9/08 17:20

ab ID # : 610003

itials: CK

Sample Receipt Checklist

					Client Initials
1	Temperature of container/ cooler?	Yes	No	3.5 °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	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