1R - 428-57

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
B-32 Boot, Sec 32, T18S, R38E, Unit "B"
NMOCD Case #: Pending IR428-57

Dear Mr. Wayne Price:

R.T. Hicks Consultants, Ltd is pleased to submit the 2006 Annual Ground Water Monitoring Report for the B-32 Boot 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 vs. time for chloride and TDS.
3. Laboratory data sheets associated with the routine sampling for 2006.

The Correction Action Plan was submitted to NMOCD on January 22, 2007. The CAP is pending NMOCD approval.

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

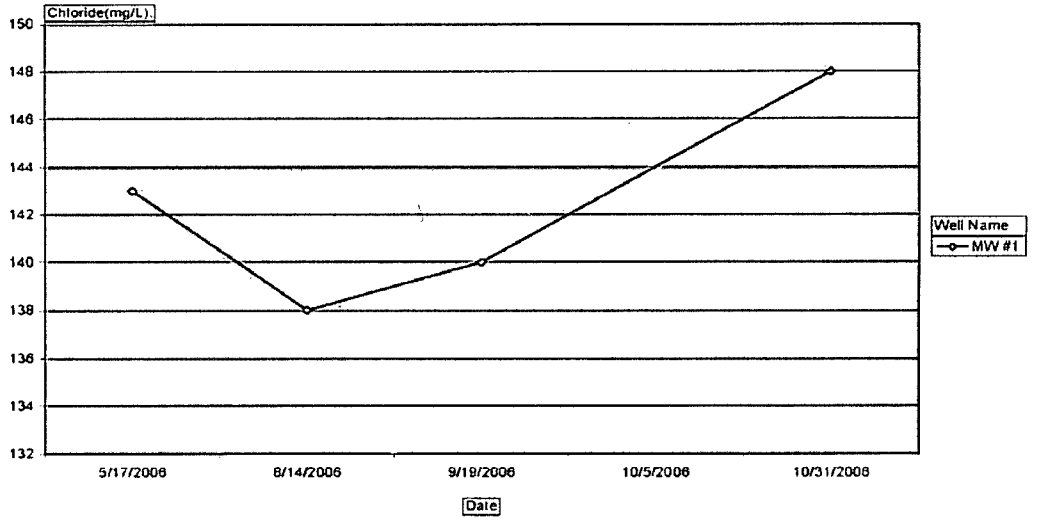
B-32 Boot

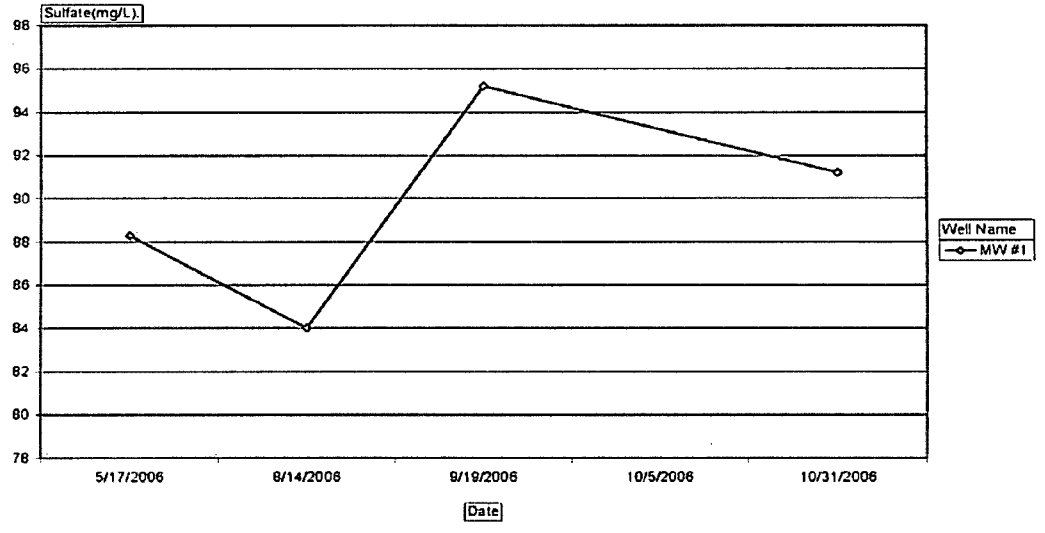
Table 1: chemistry over time

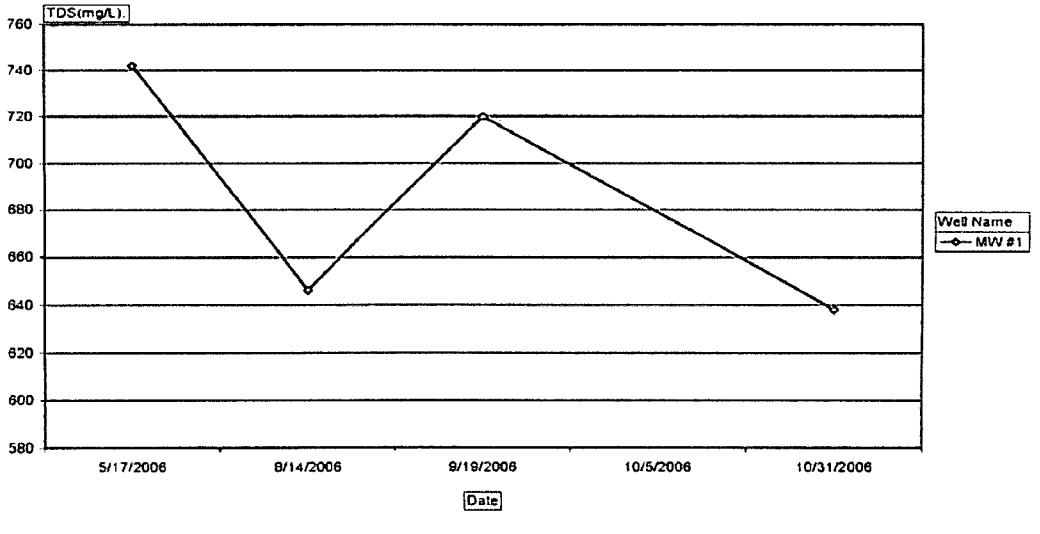
Well Name	*Date*	*DTW (ft)*	*Chloride (mg/L)*	*Sulfate (mg/L)*	*TDS (mg/L)*	*Benzene (ug/L)*	*Toluene (ug/L)*	*EthylBenzene (ug/L)*	*Total Xylenes (ug/L)*	*Comments*
MW #1	5/17/2006	57.03	143	88.3	742	<0.001	<0.001	J[0.000371]	J[0.00703]	
MW #1	8/14/2006	57.33	138	84	646	0.001	<0.001	j[0.000642]	j[0.000621]	
MW #1	9/19/2006	57.06	140	95.2	720	0.00645	<0.001	0.00212	j[0.000784]	
MW #1	10/5/2006	56.88	XXX	XXX	XXX	3.66	<0.001	2.22	1.88	Napthalene 1.33
MW #1	10/31/2006	56.80	148	91.2	638	5.54	<0.001	3.85	1.88	Napthalene 1.27 Slight odor clear

Site Name B-32 Boot

Chloride 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: Hobbs B-32 Boot

Project Number: None Given

Location: Lea County

Lab Order Number: 6E18020

Report Date: 05/26/06

Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/26/06 13:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6E18020-01	Water	05/17/06 15:20	05/18/06 12:00

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Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/26/06 13:36

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6E18020-01) Water									
Benzene	ND	0.00100	mg/L	1	EE62101	05/21/06	05/22/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	**I [0.000371]**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**I [0.000703]**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.0 %*		*80-120*	"	"	"	"	

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Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/26/06 13:36

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 (6E18020-01) Water									
Total Alkalinity	**215**	2.00	mg/L	1	EE62220	05/22/06	05/22/06	EPA 310.1M	
Chloride	**143**	5.00	"	10	EE62205	05/22/06	05/22/06	EPA 300.0	
Total Dissolved Solids	**742**	5.00	"	1	EE61919	05/18/06	05/18/06	EPA 160.1	
Sulfate	**88.3**	5.00	"	10	EE62205	05/22/06	05/22/06	EPA 300.0	

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Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/26/06 13:36

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6E18020-01) Water									
Calcium	**57.3**	0.500	mg/L	50	EE61926	05/19/06	05/19/06	EPA 6010B	
Magnesium	**10.5**	0.0100	"	10	"	"	"	"	
Potassium	**2.74**	0.500	"	"	"	"	"	"	
Sodium	**130**	0.500	"	50	"	"	"	"	

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Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/26/06 13:36

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 EE62101 - EPA 5030C (GC)										
Blank (EE62101-BLK1)				Prepared & Analyzed: 05/21/06						
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	*42.9*		*ug/l*	*40.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.2*		*"*	*40.0*		*80.5*	*80-120*			
LCS (EE62101-BS1)				Prepared & Analyzed: 05/21/06						
Benzene	0.0415	0.00100	mg/L	0.0500		83.0	80-120			
Toluene	0.0421	0.00100	"	0.0500		84.2	80-120			
Ethylbenzene	0.0463	0.00100	"	0.0500		92.6	80-120			
Xylene (p/m)	0.102	0.00100	"	0.100		102	80-120			
Xylene (o)	0.0504	0.00100	"	0.0500		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.7*		*ug/l*	*40.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.2*		*"*	*40.0*		*90.5*	*80-120*			
Calibration Check (EE62101-CCV1)				Prepared & Analyzed: 05/21/06						
Benzene	44.3		ug/l	50.0		88.6	80-120			
Toluene	44.3		"	50.0		88.6	80-120			
Ethylbenzene	55.3		"	50.0		111	80-120			
Xylene (p/m)	99.1		"	100		99.1	80-120			
Xylene (o)	49.1		"	50.0		98.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44.6*		*"*	*40.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.8*		*"*	*40.0*		*87.0*	*80-120*			
Matrix Spike (EE62101-MS1)	**Source: 6E17005-01**			Prepared: 05/21/06 Analyzed: 05/22/06						
Benzene	0.0444	0.00100	mg/L	0.0500	ND	88.8	80-120			
Toluene	0.0454	0.00100	"	0.0500	ND	90.8	80-120			
Ethylbenzene	0.0488	0.00100	"	0.0500	ND	97.6	80-120			
Xylene (p/m)	0.108	0.00100	"	0.100	ND	108	80-120			
Xylene (o)	0.0531	0.00100	"	0.0500	ND	106	80-120			
Surrogate: a,a,a-Trifluorotoluene	*45.5*		*ug/l*	*40.0*		*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.9*		*"*	*40.0*		*92.2*	*80-120*			

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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 EE62101 - EPA 5030C (GC)										
Matrix Spike Dup (EE62101-MSD1)	**Source: 6E17005-01**			Prepared: 05/21/06 Analyzed: 05/22/06						
Benzene	0.0439	0.00100	mg/L	0.0500	ND	87.8	80-120	1.13	20	
Toluene	0.0447	0.00100	"	0.0500	ND	89.4	80-120	1.55	20	
Ethylbenzene	0.0481	0.00100	"	0.0500	ND	96.2	80-120	1.44	20	
Xylene (p/m)	0.107	0.00100	"	0.100	ND	107	80-120	0.930	20	
Xylene (o)	0.0521	0.00100	"	0.0500	ND	104	80-120	1.90	20	
Surrogate: a,a,a-Trifluorotoluene	*46.4*		*ug/l*	*40.0*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.4*		*"*	*40.0*		*83.5*	*80-120*			

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 EE61919 - Filtration Preparation										
Blank (EE61919-BLK1)				Prepared & Analyzed: 05/18/06						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EE61919-DUP1)	**Source: 6E18012-01**			Prepared & Analyzed: 05/18/06						
Total Dissolved Solids	1420	5.00	mg/L		1470			3.46	5	
Batch EE62205 - General Preparation (WetChem)										
Blank (EE62205-BLK1)				Prepared & Analyzed: 05/22/06						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EE62205-BS1)				Prepared & Analyzed: 05/22/06						
Sulfate	8.20		mg/L	10.0		82.0	80-120			
Chloride	10.1		"	10.0		101	80-120			
Calibration Check (EE62205-CCV1)				Prepared & Analyzed: 05/22/06						
Chloride	10.1		mg/L	10.0		101	80-120			
Sulfate	9.63		"	10.0		96.3	80-120			
Duplicate (EE62205-DUP1)	**Source: 6E18012-01**			Prepared & Analyzed: 05/22/06						
Sulfate	307	10.0	mg/L		304			0.982	20	
Chloride	343	10.0	"		344			0.291	20	
Duplicate (EE62205-DUP2)	**Source: 6E18015-01**			Prepared & Analyzed: 05/22/06						
Chloride	415	10.0	mg/L		412			0.726	20	
Sulfate	50.3	10.0	"		50.6			0.595	20	

Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/26/06 13:36

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 EE62205 - General Preparation (WetChem)										
Matrix Spike (EE62205-MS1)	**Source: 6E18012-01**			Prepared & Analyzed: 05/22/06						
Chloride	565	10.0	mg/L	200	344	110	80-120			
Sulfate	465	10.0	"	200	304	80.5	80-120			
Matrix Spike (EE62205-MS2)	**Source: 6E18015-01**			Prepared & Analyzed: 05/22/06						
Chloride	654	10.0	mg/L	200	412	121	80-120			S-07
Sulfate	200	10.0	"	200	50.6	74.7	80-120			S-07
Batch EE62220 - General Preparation (WetChem)										
Blank (EE62220-BLK1)				Prepared & Analyzed: 05/22/06						
Total Alkalinity	ND	2.00	mg/L							
LCS (EE62220-BS1)				Prepared & Analyzed: 05/22/06						
Bicarbonate Alkalinity	214	2.00	mg/L	200		107	85-115			
Duplicate (EE62220-DUP1)	**Source: 6E18012-01**			Prepared & Analyzed: 05/22/06						
Total Alkalinity	279	2.00	mg/L		280			0.358	20	
Reference (EE62220-SRM1)				Prepared & Analyzed: 05/22/06						
Total Alkalinity	96.0		mg/L	100		96.0	90-110			

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Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/26/06 13:36

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 EE61926 - 6010B/No Digestion										
Blank (EE61926-BLK1)				Prepared & Analyzed: 05/19/06						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EE61926-CCV1)				Prepared & Analyzed: 05/19/06						
Calcium	2.30		mg/L	2.00		115	85-115			
Magnesium	2.21		"	2.00		110	85-115			
Potassium	1.80		"	2.00		90.0	85-115			
Sodium	1.81		"	2.00		90.5	85-115			
Duplicate (EE61926-DUP1)	**Source: 6E18012-01**			Prepared & Analyzed: 05/19/06						
Calcium	111	0.500	mg/L		111			0.00	20	
Magnesium	58.3	0.0100	"		56.5			3.14	20	
Potassium	12.2	0.500	"		12.9			5.58	20	
Sodium	266	0.500	"		271			1.86	20	

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Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	05/26/06 13:36

Notes and Definitions

S-07	Recovery outside Laboratory historical or method prescribed 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: Raland K Tuttle Date: 5/26/2006

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: Hobbs B-32 Boot
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: 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 (TCLP: / TOTAL: X)	RCI	N.O.R.M.	Total Dissolved Solids				RUSH TAT (Pre-Schedule)	Standard TAT
E100220 -01	Monitor Well #1	5/17/2006	15:20	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: 1.0°C - not frozen

Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	5/18/06	6:02	James Johnson	5/18/06	6:03
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
James Johnson	5/18/06	12:00	Roland K Tuo	5-18-06	1200

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

Client: Rice Operating Co

Date/Time: 05-18-06 @ 1200

Order #: 6E18020

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	1.0 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:

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: Hobbs B-32 Boot

Project Number: None Given

Location: Lea County

Lab Order Number: 6H18010

Report Date: 08/28/06

Rice Operating Co.	Project: Hobbs B-32 Boot	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	6H18010-01	Water	08/14/06 12:05	08-18-2006 10:20

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 (6H18010-01) Water									
Benzene	**0.00105**	0.00100	mg/L	1	EH62121	08/21/06	08/22/06	EPA 8021B	
Toluene	ND	*0.00100*	"	"	"	"	"	"	
Ethylbenzene	**J [0.000642]**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.000621]**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.0 %*		*80-120*		"	"	"	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 (611180l0-01) Water									
Total Alkalinity	**248**	2.00	mg/L	1	EH62128	08/21/06	08/21/06	EPA 310.1M	
Chloride	**138**	5.00	"	10	EH62101	08/21/06	08/21/06	EPA 300.0	
Total Dissolved Solids	**646**	10.0	"	1	EH62303	08/18/06	08/22/06	EPA 160.1	
Sulfate	**84.0**	5.00	"	10	EH62101	08/21/06	08/21/06	EPA 300.0	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 (6H18010-01) Water									
Calcium	**56.0**	0.810	mg/L	10	EH62313	08/23/06	08/23/06	EPA 6010B	
Magnesium	**10.5**	0.360	"	"	"	"	"	"	
Potassium	**2.70**	0.600	"	"	"	"	"	"	
Sodium	**142**	2.15	"	50	"	"	"	"	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EH62121 - EPA 5030C (GC)										
Blank (EH62121-BLK1)				Prepared: 08/21/06 Analyzed: 08/22/06						
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	*40.3*		*ug/l*	*40.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.7*		*"*	*40.0*		*91.8*	*80-120*			
LCS (EH62121-BS1)				Prepared & Analyzed: 08/21/06						
Benzene	0.0460	0.00100	mg/L	0.0500		92.0	80-120			
Toluene	0.0503	0.00100	"	0.0500		101	80-120			
Ethylbenzene	0.0463	0.00100	"	0.0500		92.6	80-120			
Xylene (p/m)	0.113	0.00100	"	0.100		113	80-120			
Xylene (o)	0.0565	0.00100	"	0.0500		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.7*		*ug/l*	*40.0*		*99.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*45.0*		*"*	*40.0*		*112*	*80-120*			
Calibration Check (EH62121-CCV1)				Prepared: 08/21/06 Analyzed: 08/22/06						
Benzene	48.7		ug/l	50.0		97.4	80-120			
Toluene	52.3		"	50.0		105	80-120			
Ethylbenzene	57.3		"	50.0		115	80-120			
Xylene (p/m)	114		"	100		114	80-120			
Xylene (o)	57.6		"	50.0		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44.7*		*"*	*40.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.3*		*"*	*40.0*		*95.8*	*80-120*			
Matrix Spike (EH62121-MS1)	**Source: 6H18007-01**			Prepared: 08/21/06 Analyzed: 08/22/06						
Benzene	0.0464	0.00100	mg/L	0.0500	ND	92.8	80-120			
Toluene	0.0550	0.00100	"	0.0500	ND	110	80-120			
Ethylbenzene	0.0554	0.00100	"	0.0500	ND	111	80-120			
Xylene (p/m)	0.117	0.00100	"	0.100	ND	117	80-120			
Xylene (o)	0.0575	0.00100	"	0.0500	ND	115	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.8*		*ug/l*	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.5*		*"*	*40.0*		*116*	*80-120*			

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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 EH62121 - EPA 5030C (GC)										
Matrix Spike Dup (EH62121-MSD1)	**Source: 6H18007-01**			Prepared: 08/21/06 Analyzed: 08/22/06						
Benzene	0.0473	0.00100	mg/L	0.0500	ND	94.6	80-120	1.92	20	
Toluene	0.0535	0.00100	"	0.0500	ND	107	80-120	2.76	20	
Ethylbenzene	0.0549	0.00100	"	0.0500	ND	110	80-120	0.905	20	
Xylene (p/m)	0.120	0.00100	"	0.100	ND	120	80-120	2.53	20	
Xylene (o)	0.0583	0.00100	"	0.0500	ND	117	80-120	1.72	20	
Surrogate: a,a,a-Trifluorotoluene	*42.9*		*ug/l*	*40.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.4*		*"*	*40.0*		*116*	*80-120*			

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

Project: Hobbs B-32 Boot
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH62101 - General Preparation (WetChem)										
Blank (EH62101-BLK1)				Prepared & Analyzed: 08/21/06						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EH62101-BS1)				Prepared & Analyzed: 08/21/06						
Sulfate	8.51	0.500	mg/L	10.0		85.1	80-120			
Chloride	10.0	0.500	"	10.0		100	80-120			
Calibration Check (EH62101-CCV1)				Prepared & Analyzed: 08/21/06						
Sulfate	8.34		mg/L	10.0		83.4	80-120			
Chloride	10.2		"	10.0		102	80-120			
Duplicate (EH62101-DUP1)	**Source: 6H18007-01**			Prepared & Analyzed: 08/21/06						
Sulfate	76.3	5.00	mg/L		65.9			14.6	20	
Chloride	105	5.00	"		98.9			5.98	20	
Duplicate (EH62101-DUP2)	**Source: 6H18013-04**			Prepared & Analyzed: 08/21/06						
Sulfate	331	5.00	mg/L		336			1.50	20	
Chloride	138	5.00	"		136			1.46	20	
Matrix Spike (EH62101-MS1)	**Source: 6H18007-01**			Prepared & Analyzed: 08/21/06						
Sulfate	172	5.00	mg/L	100	65.9	106	80-120			
Chloride	210	5.00	"	100	98.9	111	80-120			
Matrix Spike (EH62101-MS2)	**Source: 6H18013-04**			Prepared & Analyzed: 08/21/06						
Sulfate	422	5.00	mg/L	100	336	86.0	80-120			
Chloride	224	5.00	"	100	136	88.0	80-120			

Rice Operating Co.	Project: Hobbs B-32 Boot	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 EH62128 - General Preparation (WetChem)										
Blank (EH62128-BLK1)				Prepared & Analyzed: 08/21/06						
Total Alkalinity	ND	2.00	mg/L							
LCS (EH62128-BS1)				Prepared & Analyzed: 08/21/06						
Total Alkalinity	178		mg/L	200		89.0	85-115			
Duplicate (EH62128-DUP1)	**Source: 6H18007-01**			Prepared & Analyzed: 08/21/06						
Total Alkalinity	186	2.00	mg/L		186			0.00	20	
Reference (EH62128-SRM1)				Prepared & Analyzed: 08/21/06						
Total Alkalinity	248		mg/L	250		99.2	90-110			
Batch EH62303 - Filtration Preparation										
Blank (EH62303-BLK1)				Prepared: 08/18/06 Analyzed: 08/22/06						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EH62303-DUP1)	**Source: 6H18007-01**			Prepared: 08/18/06 Analyzed: 08/22/06						
Total Dissolved Solids	556	10.0	mg/L		526			5.55	5	R5
Duplicate (EH62303-DUP2)	**Source: 6H18013-04**			Prepared & Analyzed: 08/18/06						
Total Dissolved Solids	808	10.0	mg/L		930			14.0	5	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EH62313 - 6010B/No Digestion										
Blank (EH62313-BLK1)				Prepared & Analyzed: 08/23/06						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EH62313-CCV1)				Prepared & Analyzed: 08/23/06						
Calcium	1.96		mg/L	2.00		98.0	85-115			
Magnesium	2.01		"	2.00		100	85-115			
Potassium	1.76		"	2.00		88.0	85-115			
Sodium	1.96		"	2.00		98.0	85-115			
Duplicate (EH62313-DUP1)	**Source: 6H15005-04**			Prepared & Analyzed: 08/23/06						
Calcium	44.4	0.810	mg/L		45.9			3.32	20	
Magnesium	48.1	0.360	"		49.3			2.46	20	
Potassium	42.9	0.600	"		42.6			0.702	20	
Sodium	44.4	0.430	"		43.5			2.05	20	

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Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

R5	RPD is outside of historic values
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: 8/28/2006

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: Hobbs B-32 Boot
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	Analyze For: TCLP: Cations (Ca, Mg, Na, K)	Analyze For: TCLP: Anions (Cl, SO4, CO3, HCO3)	Analyze For: TCLP: SAR / ESP / CEC	Analyze For: TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	Analyze For: TCLP: Volatiles	Analyze For: TCLP: Semivolatiles	Analyze For: TOTAL: BTEX 8021B/5030	Analyze For: RCI	Analyze For: N.O.R.M.	Analyze For: Total Dissolved Solids	RUSH TAT (Pre-Schedule)	Standard TAT
8/18/2010 -01	Monitor Well #1	8/14/2006	12:05	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 / Cooler
Temperature Upon Receipt:
Laboratory Comments: 4.0

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	8/18/06	5:30	James Johnson	8-18-06	5:31
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
James Johnson	8/18/06	10:20	Cecile Lees	8/18/06	10:20

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice DP.

Date/ Time: 8/18/06 10:20

Lab ID #: 6H18010

Initials: CK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	4.0 °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	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

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs B-32 Boot

Project Number: None Given

Location: T18S-R38E-Sec32B, Lea County, NM

Lab Order Number: 6I20005

Report Date: 10/03/06

Rice Operating Co.	Project: Hobbs B-32 Boot	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	6I20005-01	Water	09/19/06 10:45	09-20-2006 13:22

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 (6120005-01) Water									
Benzene	**0.00645**	0.00100	mg/L	1	EI62012	09/20/06	09/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00212**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.000784]**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.2 %*	*80-120*		"	"	"	"	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 (6I20005-01) Water									
Total Alkalinity	**230**	2.00	mg/L	1	EI62707	09/27/06	09/27/06	EPA 310.1M	
Chloride	**140**	5.00	"	10	EI62105	09/22/06	09/25/06	EPA 300.0	
Total Dissolved Solids	**720**	10.0	"	1	EI62118	09/20/06	09/21/06	EPA 160.1	
Sulfate	**95.2**	5.00	"	10	EI62105	09/22/06	09/25/06	EPA 300.0	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 (6I20005-01) Water									
Calcium	**59.8**	0.810	mg/L	10	EI62111	09/21/06	09/21/06	EPA 6010B	
Magnesium	**10.3**	0.360	"	"	"	"	"	"	
Potassium	**2.76**	0.600	"	"	"	"	"	"	
Sodium	**129**	2.15	"	50	"	"	"	"	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EI62012 - EPA 5030C (GC)										
Blank (EI62012-BLK1)				Prepared & Analyzed: 09/20/06						
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	*39.2*		*ug/l*	*40.0*		*98.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.5*		*"*	*40.0*		*81.2*	*80-120*			
LCS (EI62012-BS1)				Prepared: 09/20/06 Analyzed: 09/21/06						
Benzene	0.0589	0.00100	mg/L	0.0500		118	80-120			
Toluene	0.0466	0.00100	"	0.0500		93.2	80-120			
Ethylbenzene	0.0423	0.00100	"	0.0500		84.6	80-120			
Xylene (p/m)	0.0902	0.00100	"	0.100		90.2	80-120			
Xylene (o)	0.0442	0.00100	"	0.0500		88.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.1*		*ug/l*	*40.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.2*		*"*	*40.0*		*108*	*80-120*			
Calibration Check (EI62012-CCV1)				Prepared & Analyzed: 09/20/06						
Benzene	0.0540		mg/L	0.0500		108	80-120			
Toluene	0.0482		"	0.0500		96.4	80-120			
Ethylbenzene	0.0489		"	0.0500		97.8	80-120			
Xylene (p/m)	0.0966		"	0.100		96.6	80-120			
Xylene (o)	0.0480		"	0.0500		96.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.1*		*ug/l*	*40.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.3*		*"*	*40.0*		*108*	*80-120*			
Matrix Spike (EI62012-MS1)	**Source: 6118004-03**			Prepared: 09/20/06 Analyzed: 09/21/06						
Benzene	0.0597	0.00100	mg/L	0.0500	ND	119	80-120			
Toluene	0.0492	0.00100	"	0.0500	ND	98.4	80-120			
Ethylbenzene	0.0474	0.00100	"	0.0500	ND	94.8	80-120			
Xylene (p/m)	0.0937	0.00100	"	0.100	ND	93.7	80-120			
Xylene (o)	0.0461	0.00100	"	0.0500	ND	92.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*45.3*		*ug/l*	*40.0*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*44.4*		*"*	*40.0*		*111*	*80-120*			

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EI62012 - EPA 5030C (GC)										
Matrix Spike Dup (EI62012-MSD1)	**Source: 6I18004-03**			Prepared: 09/20/06 Analyzed: 09/21/06						
Benzene	0.0592	0.00100	mg/L	0.0500	ND	118	80-120	0.844	20	
Toluene	0.0502	0.00100	"	0.0500	ND	100	80-120	1.61	20	
Ethylbenzene	0.0488	0.00100	"	0.0500	ND	97.6	80-120	2.91	20	
Xylene (p/m)	0.0932	0.00100	"	0.100	ND	93.2	80-120	0.535	20	
Xylene (o)	0.0458	0.00100	"	0.0500	ND	91.6	80-120	0.653	20	
Surrogate: a,a,a-Trifluorotoluene	*43.3*		*ug/l*	*40.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.0*		*"*	*40.0*		*115*	*80-120*			

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

Rice Operating Co.	Project: Hobbs B-32 Boot	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 EI62105 - General Preparation (WetChem)										
Blank (EI62105-BLK1)				Prepared: 09/22/06 Analyzed: 09/25/06						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EI62105-BS1)				Prepared: 09/22/06 Analyzed: 09/25/06						
Chloride	11.8	0.500	mg/L	10.0		118	80-120			
Sulfate	11.2	0.500	"	10.0		112	80-120			
Calibration Check (EI62105-CCV1)				Prepared: 09/22/06 Analyzed: 09/25/06						
Chloride	11.7		mg/L	10.0		117	80-120			
Sulfate	11.1		"	10.0		111	80-120			
Duplicate (EI62105-DUP1)	**Source: 6I20004-01**			Prepared: 09/22/06 Analyzed: 09/25/06						
Sulfate	118	5.00	mg/L		119			0.844	20	
Chloride	43.6	5.00	"		45.0			3.16	20	
Matrix Spike (EI62105-MS1)	**Source: 6I20004-01**			Prepared: 09/22/06 Analyzed: 09/25/06						
Chloride	174	5.00	mg/L	100	45.0	129	80-120			M1
Sulfate	236	5.00	"	100	119	117	80-120			
Batch EI62118 - Filtration Preparation										
Blank (EI62118-BLK1)				Prepared: 09/20/06 Analyzed: 09/21/06						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EI62118-DUP1)	**Source: 6I20004-01RE1**			Prepared: 09/20/06 Analyzed: 09/21/06						
Total Dissolved Solids	428	10.0	mg/L		416			2.84	5	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EI62707 - General Preparation (WetChem)										
Blank (EI62707-BLK1)				Prepared & Analyzed: 09/27/06						
Total Alkalinity	ND	2.00	mg/L							
LCS (EI62707-BS1)				Prepared & Analyzed: 09/27/06						
Bicarbonate Alkalinity	192	2.00	mg/L	200		96.0	85-115			
Duplicate (EI62707-DUP1)	**Source: 6I20004-01**			Prepared & Analyzed: 09/27/06						
Total Alkalinity	284	2.00	mg/L		286			0.702	20	
Reference (EI62707-SRM1)				Prepared & Analyzed: 09/27/06						
Total Alkalinity	242		mg/L	250		96.8	90-110			

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EI62111 - 6010B/No Digestion										
Blank (EI62111-BLK1)				Prepared & Analyzed: 09/21/06						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EI62111-CCV1)				Prepared & Analyzed: 09/21/06						
Calcium	2.08		mg/L	2.00		104	85-115			
Magnesium	2.15		"	2.00		108	85-115			
Potassium	1.85		"	2.00		92.5	85-115			
Sodium	1.73		"	2.00		86.5	85-115			
Duplicate (EI62111-DUP1)	**Source: 6I20004-01**			Prepared & Analyzed: 09/21/06						
Calcium	64.8	0.810	mg/L		67.3			3.79	20	
Magnesium	24.6	0.360	"		25.1			2.01	20	
Potassium	3.22	0.600	"		3.37			4.55	20	
Sodium	67.8	0.430	"		69.6			2.62	20	

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Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

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: Raland K Tuttle Date: 10/3/2006

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: Hobbs B-32 Boot
Project Number:
Project Loc: T18S-R38E-Sec32B, Lea County NM
PO Number:

LAB # (lab use only) 121 2005	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: TPH: 418.1 8015M 1005 1005	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
																TCLP:															
																TOTAL:							X								
0	Monitor Well #1	9/19/2006	10:45	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 / Cooler
Temperature Upon Receipt: 2.0C

Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	9-20-06	1322			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Xanne McMurrey	09-20-06	1322

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice Op.

Date/ Time: 9/20/06

Lab ID # : 6I20005

Initials: CK

Sample Receipt Checklist

#	Item	Yes	No		Client Initials
1	Temperature of container/ cooler?	Yes	No	2.0 °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	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

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs B-32 Boot

Project Number: None Given

Location: T18S-R38E-Sec.32B, Lea County, NM

Lab Order Number: 6J10005

Report Date: 10/20/06

Rice Operating Co.	Project: Hobbs B-32 Boot	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	6J10005-01	Water	10/05/06 16:25	10-09-2006 17:20

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

Rice Operating Co.	Project: Hobbs B-32 Boot	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 (6J10005-01) Water									
Benzene	**3.66**	1.00	ug/l	1	EJ61913	10/18/06	10/19/06	EPA 8260B	
Toluene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	**2.22**	1.00	"	"	"	"	"	"	
Xylene (p/m)	**1.88**	1.00	"	"	"	"	"	"	
Xylene (o)	ND	1.00	"	"	"	"	"	"	
Naphthalene	**1.33**	1.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.6 %*		*68-129*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.4 %*		*72-132*		"	"	"	
Surrogate: Toluene-d8		*87.8 %*		*74-118*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.8 %*		*65-140*		"	"	"	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EJ61913 - EPA 5030C (GCMS)										
Blank (EJ61913-BLK1)				Prepared & Analyzed: 10/18/06						
Benzene	ND	1.00	ug/l							
Toluene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
Xylene (p/m)	ND	1.00	"							
Xylene (o)	ND	1.00	"							
Naphthalene	ND	1.00	"							
Surrogate: Dibromofluoromethane	*47.2*		"	*50.0*		*94.4*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*42.8*		"	*50.0*		*85.6*	*72-132*			
Surrogate: Toluene-d8	*40.3*		"	*50.0*		*80.6*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*37.0*		"	*50.0*		*74.0*	*65-140*			
LCS (EJ61913-BS1)				Prepared & Analyzed: 10/18/06						
Benzene	20.2	1.00	ug/l	25.0		80.8	70-130			
Toluene	22.1	1.00	"	25.0		88.4	70-130			
Ethylbenzene	22.7	1.00	"	25.0		90.8	70-130			
Xylene (p/m)	42.0	1.00	"	50.0		84.0	70-130			
Xylene (o)	23.0	1.00	"	25.0		92.0	70-130			
Naphthalene	24.2	1.00	"	25.0		96.8	70-130			
Surrogate: Dibromofluoromethane	*49.6*		"	*50.0*		*99.2*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*51.5*		"	*50.0*		*103*	*72-132*			
Surrogate: Toluene-d8	*43.6*		"	*50.0*		*87.2*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*40.2*		"	*50.0*		*80.4*	*65-140*			
Calibration Check (EJ61913-CCV1)				Prepared & Analyzed: 10/18/06						
Toluene	41.3		ug/l	50.0		82.6	70-130			
Ethylbenzene	41.1		"	50.0		82.2	70-130			
Surrogate: Dibromofluoromethane	*46.9*		"	*50.0*		*93.8*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*44.9*		"	*50.0*		*89.8*	*72-132*			
Surrogate: Toluene-d8	*44.2*		"	*50.0*		*88.4*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*38.7*		"	*50.0*		*77.4*	*65-140*			

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

Rice Operating Co.	Project: Hobbs B-32 Boot	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 EJ61913 - EPA 5030C (GCMS)										
Matrix Spike (EJ61913-MS1)	**Source: 6J10005-01**			Prepared & Analyzed: 10/18/06						
Benzene	23.6	1.00	ug/l	25.0	3.66	79.8	70-130			
Toluene	22.8	1.00	"	25.0	ND	91.2	70-130			
Ethylbenzene	26.0	1.00	"	25.0	2.22	95.1	70-130			
Xylene (p/m)	45.4	1.00	"	50.0	1.88	87.0	70-130			
Xylene (o)	24.6	1.00	"	25.0	ND	98.4	70-130			
Naphthalene	28.7	1.00	"	25.0	1.33	109	70-130			
Surrogate: Dibromofluoromethane	*51.6*		"	*50.0*		*103*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*48.0*		"	*50.0*		*96.0*	*72-132*			
Surrogate: Toluene-d8	*44.6*		"	*50.0*		*89.2*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*40.2*		"	*50.0*		*80.4*	*65-140*			
Matrix Spike Dup (EJ61913-MSD1)	**Source: 6J10005-01**			Prepared & Analyzed: 10/18/06						
Benzene	23.3	1.00	ug/l	25.0	3.66	78.6	70-130	1.28	20	
Toluene	22.6	1.00	"	25.0	ND	90.4	70-130	0.881	20	
Ethylbenzene	25.7	1.00	"	25.0	2.22	93.9	70-130	1.16	20	
Xylene (p/m)	44.8	1.00	"	50.0	1.88	85.8	70-130	1.33	20	
Xylene (o)	23.9	1.00	"	25.0	ND	95.6	70-130	2.89	20	
Naphthalene	30.2	1.00	"	25.0	1.33	115	70-130	5.09	20	
Surrogate: Dibromofluoromethane	*49.0*		"	*50.0*		*98.0*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*46.4*		"	*50.0*		*92.8*	*72-132*			
Surrogate: Toluene-d8	*44.0*		"	*50.0*		*88.0*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*39.8*		"	*50.0*		*79.6*	*65-140*			

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Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 10/20/2006

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 79766
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: Hobbs B-32 Boot
Project Number:
Project Loc: T18S-R38E-Sec32B, Lea County NM
PO Number:

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 1005	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	BTEX-N 8260	Volatiles 8260		RUSH TAT (Pre-Schedule)	Standard TAT
61	Monitor Well #1	10/5/2006	16:25	2	X		2					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 / Cooler
Temperature Upon Receipt:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	10-9-06	12:45		10/9/06	12:46
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	10-4-06	17:20		10-09-06	1720

Laboratory Comments:
3.5 C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice Op.

Date/ Time: 10/9/06 17:20

Lab ID # : 610005

Initials: VK

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

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: Hobbs B-32 Boot

Project Number: None Given

Location: T18S, R38E, Sec.32 B- Lea County, NM

Lab Order Number: 6K03012

Report Date: 11/22/06

Rice Operating Co.	Project: Hobbs B-32 Boot	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	6K03012-01	Water	10/31/06 12:50	11-03-2006 11:45

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 (6K03012-01) Water									
Total Alkalinity	**264**	2.00	mg/L	1	EK60711	11/07/06	11/07/06	EPA 310.1M	
Chloride	**148**	5.00	"	10	EK60602	11/06/06	11/06/06	EPA 300.0	
Total Dissolved Solids	**638**	10.0	"	1	EK60209	11/03/06	11/06/06	EPA 160.1	
Sulfate	**91.2**	5.00	"	10	EK60602	11/06/06	11/06/06	EPA 300.0	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 (6K03012-01) Water									
Calcium	**67.9**	0.810	mg/L	10	EK60712	11/07/06	11/07/06	EPA 6010B	
Magnesium	**10.8**	0.360	"	"	"	"	"	"	
Potassium	**2.71**	0.600	"	"	"	"	"	"	
Sodium	**148**	2.15	"	50	"	"	"	"	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 (6K03012-01) Water									
Benzene	**5.54**	1.00	ug/l	1	EK61308	11/13/06	11/14/06	EPA 8260B	
Toluene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	**3.85**	1.00	"	"	"	"	"	"	
Xylene (p/m)	**1.88**	1.00	"	"	"	"	"	"	
Xylene (o)	ND	1.00	"	"	"	"	"	"	
Naphthalene	**1.27**	1.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*68-129*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*		*72-132*	"	"	"	"	
Surrogate: Toluene-d8		*93.6 %*		*74-118*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*		*65-140*	"	"	"	"	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EK60209 - Filtration Preparation										
Blank (EK60209-BLK1)				Prepared: 11/02/06 Analyzed: 11/03/06						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EK60209-DUP1)		**Source: 6K01015-01**		Prepared: 11/02/06 Analyzed: 11/03/06						
Total Dissolved Solids	696	10.0	mg/L		702			0.858	5	
Duplicate (EK60209-DUP2)		**Source: 6K03008-04**		Prepared: 11/03/06 Analyzed: 11/06/06						
Total Dissolved Solids	500	10.0	mg/L		492			1.61	5	
Batch EK60602 - General Preparation (WetChem)										
Blank (EK60602-BLK1)				Prepared & Analyzed: 11/06/06						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EK60602-BS1)				Prepared & Analyzed: 11/06/06						
Sulfate	9.30	0.500	mg/L	10.0		93.0	80-120			
Chloride	10.2	0.500	"	10.0		102	80-120			
Calibration Check (EK60602-CCV1)				Prepared & Analyzed: 11/06/06						
Sulfate	10.9		mg/L	10.0		109	80-120			
Chloride	10.0		"	10.0		100	80-120			
Duplicate (EK60602-DUP1)		**Source: 6K03002-01**		Prepared & Analyzed: 11/06/06						
Chloride	45.8	5.00	mg/L		45.4			0.877	20	
Sulfate	508	5.00	"		511			0.589	20	
Duplicate (EK60602-DUP2)		**Source: 6K03008-04**		Prepared & Analyzed: 11/06/06						
Chloride	44.5	5.00	mg/L		44.2			0.676	20	
Sulfate	116	5.00	"		115			0.866	20	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EK60602 - General Preparation (WetChem)										
Matrix Spike (EK60602-MS1)	**Source: 6K03002-01**			Prepared & Analyzed: 11/06/06						
Sulfate	613	5.00	mg/L	100	511	102	80-120			
Chloride	148	5.00	"	100	45.4	103	80-120			
Matrix Spike (EK60602-MS2)	**Source: 6K03008-04**			Prepared & Analyzed: 11/06/06						
Chloride	150	5.00	mg/L	100	44.2	106	80-120			
Sulfate	214	5.00	"	100	115	99.0	80-120			
Batch EK60711 - General Preparation (WetChem)										
Blank (EK60711-BLK1)				Prepared & Analyzed: 11/07/06						
Total Alkalinity	ND	2.00	mg/L							
LCS (EK60711-BS1)				Prepared & Analyzed: 11/07/06						
Total Alkalinity	202	2.00	mg/L	200		101	85-115			
Duplicate (EK60711-DUP1)	**Source: 6K03008-01**			Prepared & Analyzed: 11/07/06						
Total Alkalinity	236	2.00	mg/L		240			1.68	20	
Reference (EK60711-SRM1)				Prepared & Analyzed: 11/07/06						
Total Alkalinity	254		mg/L	250		102	90-110			

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EK60712 - 6010B/No Digestion										
Blank (EK60712-BLK1)				Prepared & Analyzed: 11/07/06						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EK60712-CCV1)				Prepared & Analyzed: 11/07/06						
Calcium	2.26		mg/L	2.00		113	85-115			
Magnesium	2.12		"	2.00		106	85-115			
Potassium	1.73		"	2.00		86.5	85-115			
Sodium	2.13		"	2.00		106	85-115			
Duplicate (EK60712-DUP1)	**Source: 6K03002-01**			Prepared & Analyzed: 11/07/06						
Calcium	84.4	0.810	mg/L		83.8			0.713	20	
Magnesium	40.5	0.360	"		38.9			4.03	20	
Potassium	7.74	0.600	"		8.13			4.91	20	
Sodium	110	2.15	"		117			6.17	20	

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EK61308 - EPA 5030C (GCMS)										
Blank (EK61308-BLK1)				Prepared: 11/13/06 Analyzed: 11/14/06						
Benzene	ND	1.00	ug/l							
Toluene	ND	1.00	"							
Ethylbenzene	ND	1.00	"							
Xylene (p/m)	ND	1.00	"							
Xylene (o)	ND	1.00	"							
Naphthalene	ND	1.00	"							
Surrogate: Dibromofluoromethane	*48.7*		"	*50.0*		*97.4*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*42.2*		"	*50.0*		*84.4*	*72-132*			
Surrogate: Toluene-d8	*45.6*		"	*50.0*		*91.2*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*44.2*		"	*50.0*		*88.4*	*65-140*			
LCS (EK61308-BS1)				Prepared: 11/13/06 Analyzed: 11/15/06						
Benzene	24.0	1.00	ug/l	25.0		96.0	70-130			
Toluene	24.6	1.00	"	25.0		98.4	70-130			
Ethylbenzene	27.1	1.00	"	25.0		108	70-130			
Xylene (p/m)	52.0	1.00	"	50.0		104	70-130			
Xylene (o)	27.1	1.00	"	25.0		108	70-130			
Naphthalene	27.3	1.00	"	25.0		109	70-130			
Surrogate: Dibromofluoromethane	*48.6*		"	*50.0*		*97.2*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*44.0*		"	*50.0*		*88.0*	*72-132*			
Surrogate: Toluene-d8	*45.1*		"	*50.0*		*90.2*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*50.2*		"	*50.0*		*100*	*65-140*			
Calibration Check (EK61308-CCV1)				Prepared: 11/13/06 Analyzed: 11/15/06						
Toluene	52.0		ug/l	50.0		104	70-130			
Ethylbenzene	54.9		"	50.0		110	70-130			
Surrogate: Dibromofluoromethane	*50.6*		"	*50.0*		*101*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*48.9*		"	*50.0*		*97.8*	*72-132*			
Surrogate: Toluene-d8	*47.2*		"	*50.0*		*94.4*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*44.4*		"	*50.0*		*88.8*	*65-140*			

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Rice Operating Co.	Project: Hobbs B-32 Boot	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 EK61308 - EPA 5030C (GCMS)										
Matrix Spike (EK61308-MS1)	**Source: 6K09001-01**			Prepared: 11/13/06 Analyzed: 11/16/06						
Benzene	23.0	1.00	ug/l	25.0	ND	92.0	70-130			
Toluene	24.7	1.00	"	25.0	ND	98.8	70-130			
Ethylbenzene	27.0	1.00	"	25.0	ND	108	70-130			
Xylene (p/m)	53.3	1.00	"	50.0	ND	107	70-130			
Xylene (o)	27.0	1.00	"	25.0	ND	108	70-130			
Naphthalene	24.5	1.00	"	25.0	ND	98.0	70-130			
Surrogate: Dibromofluoromethane	*49.5*		"	*50.0*		*99.0*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*48.1*		"	*50.0*		*96.2*	*72-132*			
Surrogate: Toluene-d8	*47.3*		"	*50.0*		*94.6*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*48.2*		"	*50.0*		*96.4*	*65-140*			
Matrix Spike Dup (EK61308-MSD1)	**Source: 6K09001-01**			Prepared: 11/13/06 Analyzed: 11/15/06						
Benzene	23.2	1.00	ug/l	25.0	ND	92.8	70-130	0.866	20	
Toluene	23.6	1.00	"	25.0	ND	94.4	70-130	4.55	20	
Ethylbenzene	24.6	1.00	"	25.0	ND	98.4	70-130	9.30	20	
Xylene (p/m)	47.6	1.00	"	50.0	ND	95.2	70-130	11.3	20	
Xylene (o)	24.8	1.00	"	25.0	ND	99.2	70-130	8.49	20	
Naphthalene	26.0	1.00	"	25.0	ND	104	70-130	5.94	20	
Surrogate: Dibromofluoromethane	*52.7*		"	*50.0*		*105*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*54.4*		"	*50.0*		*109*	*72-132*			
Surrogate: Toluene-d8	*44.8*		"	*50.0*		*89.6*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*47.1*		"	*50.0*		*94.2*	*65-140*			

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Rice Operating Co.	Project: Hobbs B-32 Boot	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 11/22/2006

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.

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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 B-32 Boot

Project #:

Project Loc: T18S R38E Sec32 B ~ Lea County New Mexico

PO #:

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

(lab use only) ORDER #: 0K0302

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
1	Monitor Well #1			10/31/2006	12:50		3	X		2				1		GW					X	X			X					X				X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	11-3-06	6:00	James Johnson	11-3-06	6:01
James Johnson	11-3-06	11:45	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				11/3/06	11:45

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: 0.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: RICE OP.

Date/ Time: 11/3/06 11:45

Lab ID # : 6K03012

Initials: UK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	0.5 °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