AP - 048

ANNUAL GW REPORT

DATE: 2006

AP-48 Annual GW Mon. Report 2006

Highlander Environmental Corp.

Midland, Texas

CERTIFIED MAIL
RETURN RECEIPT NO. 7004 2510 0001 1869 0934

March 7, 2007

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

Re: 2006 Annual Groundwater Summary Report & Project Status Report, Rice Operating Company, Justis Saltwater Disposal System (SWD) Jct. L-1, Unit L, Section 1, T-25-S, R-37-E, Lea County, New Mexico, NMOCD CASE #1R0423-0 (AP-48)

Dear Mr. Price:

Highlander Environmental Corp. (Highlander) submits the following 2006 Annual Groundwater Summary Report for the Rice Operating Company (ROC), Jct. L-1 site (AP-48), located in the Justis Salt Water Disposal System.

Background

As part of the RICE Operating Company (ROC) Junction Box Upgrade Workplan, the original Justis L-1 junction box was removed and replaced with a new water tight junction box, located 50 feet south of the old box. Once the junction box was removed, evaluation of the surrounding and subsurface soils was initiated. Delineation was conducted with a backhoe. Chloride testing and PID field screening were performed at regular intervals. The final excavation measured 20 feet x 22 feet x 12 feet deep. PID concentrations were minimal and laboratory confirmed TPH concentrations were well below NMOCD regulatory guidelines. Chloride concentrations, however, did not appear to decline with depth.

On 12/29/2003, a soil boring was placed into the center of the excavation and advanced to a depth of 80' below ground surface, apparently encountering a saturated zone at 75' below ground surface. The borehole was plugged and a 1.5 foot thick clay barrier was placed into the excavation at 6 feet below ground surface. The remainder of the excavation was backfilled with excavated soils. No TPH impact to groundwater was indicated. On February 24, 2004,

ROC submitted a Junction Box Disclosure Form to the NMOCD.

On June 15, 2004, Highlander submitted a work plan for a confirmation borehole and possible monitor well placement at the site. The NMOCD responded with requested revisions to the workplan and on November 3, 2004, Highlander submitted a revised workplan to address NMOCD concerns. The workplan was approved by the NMOCD on November 4, 2004. Highlander supervised the installation of Monitor Well (MW-1) on December 19, 2004. The well was purged and sampled on December 21, 2004. On January 14, 2005, Rice submitted a Notification of Groundwater Impact to the NMOCD. Groundwater has been sampled and analyzed on a quarterly basis. Traces of benzene and ethylbenzene found in the original sampling have not been evident in subsequent sampling events.

On May 5, 2005, Daniel Sanchez with the NMOCD requested a Rule 19, Stage I Abatement Plan for this site. On July 12, 2005 a Stage I Abatement Plan was submitted to the NMOCD. The Stage I Abatement Plan approval was received, dated February 23, 2006.

Stage 1 Abatement Plan

As part of the Stage 1 Abatement Plan two additional monitor wells were proposed for the site. These two monitor wells (MW-2 and MW-3) were installed on March 21, 2006. MW-2 was placed down-gradient of MW-1 and MW-3 was placed up-gradient. An oil well location and open reserve pit, were located up-gradient of MW-1, necessitating the placement of MW-3 up-gradient of the open reserve pit. The wells were developed and sampled on March 28, 2006. MW-3 exhibited apparent background chloride concentrations of 96 mg/L. The down-gradient monitor well, (MW-2) displayed similar qualities to the monitor well placed at the removed junction box site (MW-1), with a chloride concentration of 564 mg/L and total dissolved solids of 1,730 mg/L.

Also as part of the Stage I Abatement Plan, a water well database search was performed to encompass a ½ mile radius around the site. The database search revealed one well in Section 1 and 3 wells in adjoining sections to this site. The field inspection revealed processing plant wells up-gradient of the site, one inaccessible well at the "Targa" booster or compressor station (4/10 mile south) and one inactive domestic well with no access (1/2 mile south). An open reserve pit located 135' up-gradient was sampled and had a chloride concentration of 42,286 mg/L.

ROC submitted a report titled "Results of Stage 1 Implementation and Request for Suspension from Rule 19 Requirements", Dated August 10, 2006 to the NMOCD. On September 27, 2006, ROC received a response from the NMOCD. In a telephone conference with the NMOCD, it was discussed that the plan should be re-issued as a Stage 1/Stage 2 Abatement Plan for continued monitoring. Additionally, the NMOCD verbally approved the placement of one additional down-gradient monitoring well. As approved, on October 9, 2006, one additional monitor well (MW-4) was installed down-gradient and constructed according to EPA and industry standards.

Stage1/Stage2 Abatement Plan

On December 12, 2006, a Stage1/Stage2 Abatement Plan was submitted to the NMOCD. Based upon the results of the Stage I Abatement Plan implementation, it appears that the water quality at the original junction box site is improving over time. The Stage 1/Stage2 Plan proposed to continue to monitor all four wells on a quarterly basis to ensure continued improvement of groundwater quality.

As part of the Stage 1/Stage 2 Abatement Plan, a Corrective Action Plan (CAP) for final soil remediation was presented. In order to complete horizontal delineation of the soil impact, soil borings will be placed beyond the edges of the existing clay barrier and soil samples will be collected for field chloride testing. Once the results of the delineation are completed, the data will be evaluated to determine if further excavation and extension of clay barrier is warranted. If warranted, the site will be excavated down to a depth of approximately 6' and the existing clay barrier will be extended, prior to backfilling with excavated material. NMOCD approval of this Stage1/Stage2 Abatement Plan is pending.

Monitor Well Sampling

The monitor wells were samples on a quarterly basis. Prior to sampling, the monitor wells were gauged and approximately three casing volumes of water were purged from the wells prior to sampling. The pump and associated tubing were decontaminated with a laboratory grade detergent and rinsed with deionized water. Cumulative water level measurements and purge volumes for the monitor wells are included in the Tables Section of this report.

The well was also inspected for the presence of phase-separated hydrocarbons (PSH). Groundwater samples were collected as soon as possible after the groundwater returned to its static level. Groundwater samples were collected using clean disposable polyethylene bailers and disposable line. The samples were transferred into labeled and preserved containers provided by the laboratory. The samples were delivered under proper chain-of-custody control to Environmental Labs of Texas, Inc., Odessa, Texas. The groundwater samples were analyzed for major anions, by methods 310.1, 9253 and 375.4, cations by method 6010B, Total Dissolved Solids (TDS) by method 160.1 and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) by method EPA 8021B. Copies of the laboratory reports are enclosed in Appendix A.

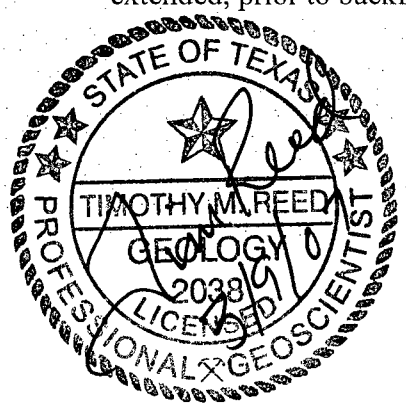
Monitor Well Sample Results

The analysis of up-gradient monitor well, MW-3, has showed background chloride concentrations ranging from 91.4 mg/L to 125 mg/L. The down-gradient monitor well, (MW-2) has displayed similar qualities to the monitor well placed at the removed junction box site (MW-1). The original monitor well (MW-1) has been sampled on a quarterly basis since December 2004 and all monitor wells are sampled on a quarterly basis. The most recent sampling was performed on all four monitor wells on October 30, 2006. Traces of

benzene and ethylbenzene were found in the original two sampling events. In the past seven quarters, BTEX parameters have not been detected at or above reporting limits. Chloride and total dissolved solid concentrations have been declining in MW-1 since the original sampling where chloride was 1,060 mg/L and TDS was 2,660 mg/L, however the most recent sample concentrations in MW-1 are showing some increase in chloride and TDS. Cumulative analytical data is summarized in the Table Section of this report.

Conclusions

1. In 2006, there were no BTEX constituents at or above the New Mexico Water Quality Control Commission (WQCC) standards. In the past seven quarters, BTEX parameters have not been detected at or above reporting limits.
2. Chloride and total dissolved solid (TDS) concentrations from monitor well MW-1 have been declining since the original sampling, however, the most recent sample concentrations in MW-1 are showing some increase in chloride and TDS.
3. As per an NMOCD request, one additional well will be installed between MW-1 and MW-3, during the 2nd quarter of 2007.
4. Quarterly monitoring at this site will continue and an annual report will be prepared and submitted to the NMOCD in the first quarter of 2008. As discussed in the Stage 1/Stage 2 Abatement Plan, if conditions do not improve or if they deteriorate, a workplan for additional investigation will be prepared and submitted to the NMOCD.
5. In order to complete horizontal delineation of the soil impact, soil borings will be placed beyond the edges of the existing clay barrier and soil samples will be collected for field chloride testing. Once the results of the delineation are completed, the data will be evaluated to determine if further excavation and extension of clay barrier is warranted. If warranted, the site will be excavated down to a depth of approximately 6' and the existing clay barrier will be extended, prior to backfilling with excavated material



Respectfully Submitted,
HIGHLANDER ENVIRONMENTAL CORP.

Timothy M. Reed, P.G.
Vice President

cc: ROC, Edward Hansen – NMOCD
Enclosures: Figures, Tables, Laboratory Analysis

FIGURES

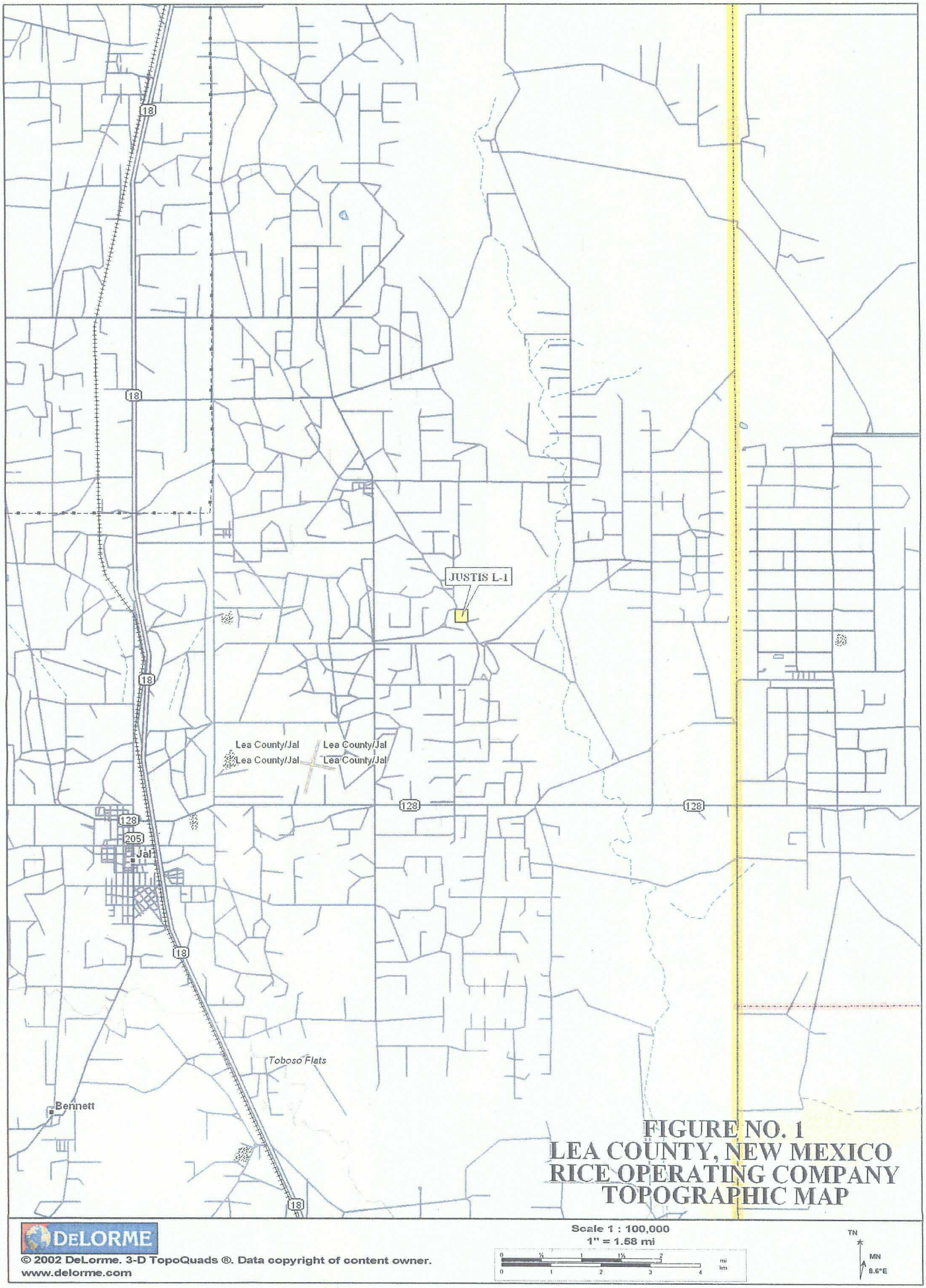


FIGURE NO. 1
LEA COUNTY, NEW MEXICO
RICE OPERATING COMPANY
TOPOGRAPHIC MAP

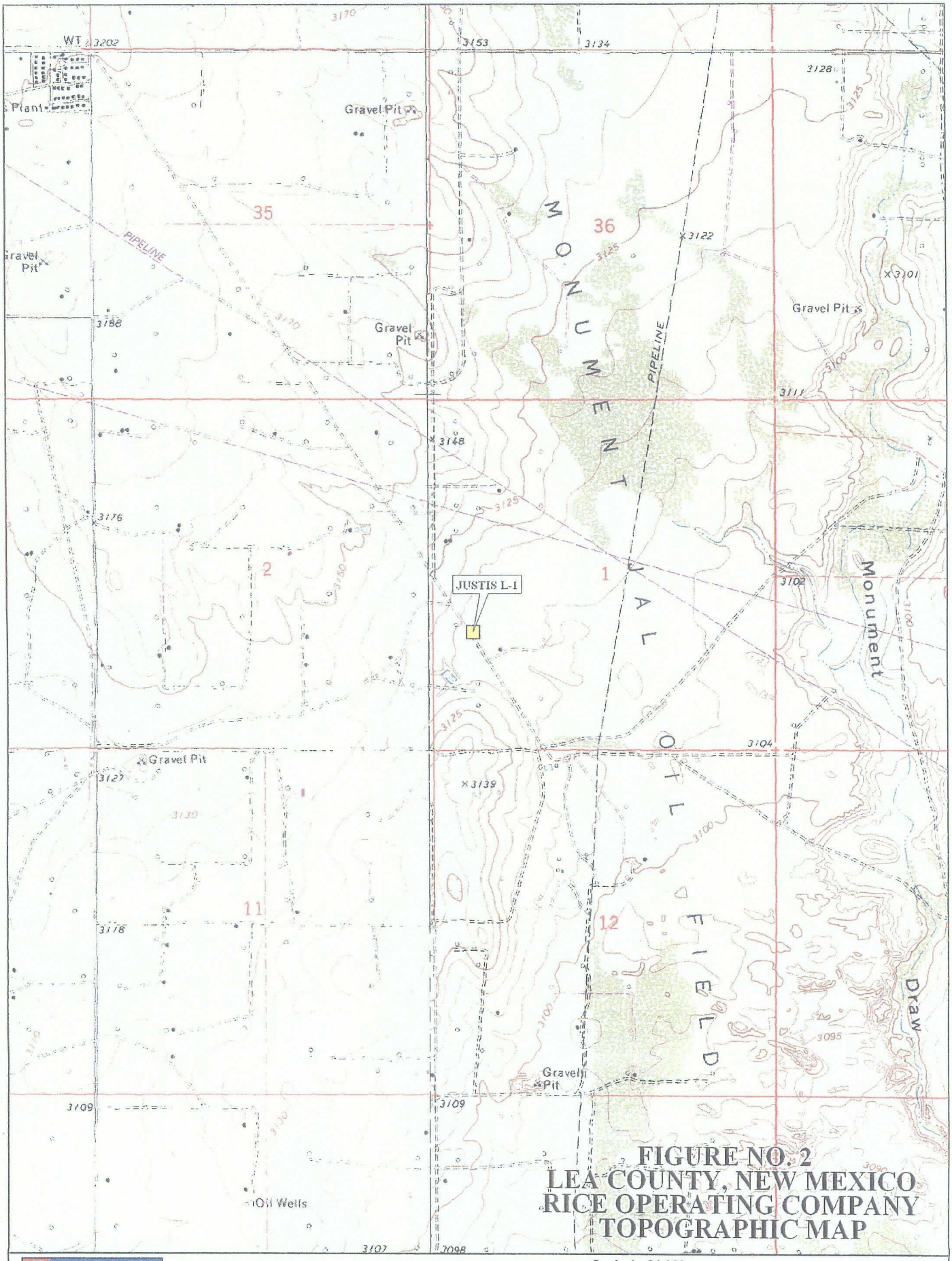


FIGURE NO. 2
LEA COUNTY, NEW MEXICO
RICE OPERATING COMPANY
TOPOGRAPHIC MAP

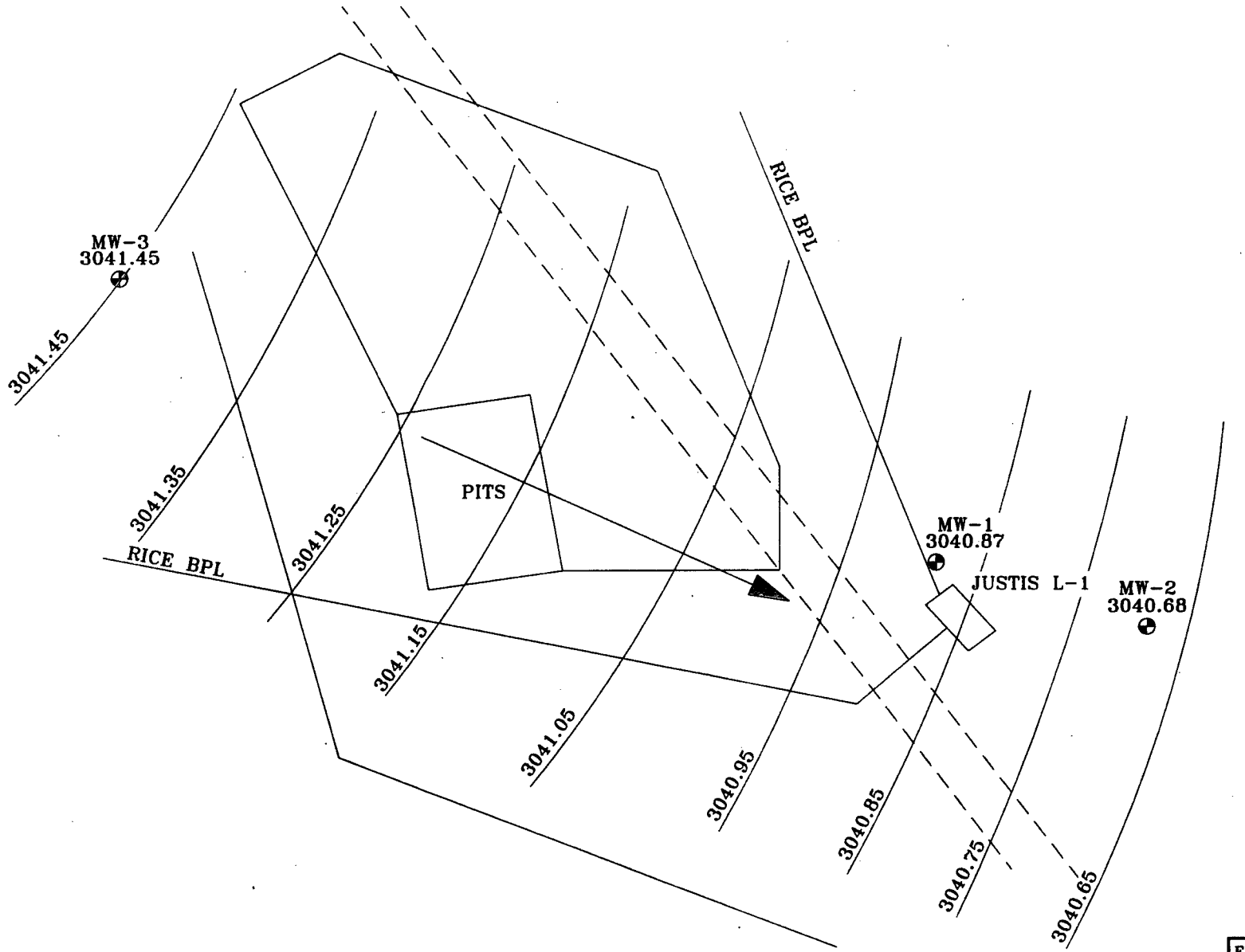


FIGURE NO. 3

LEA COUNTY, NEW MEXICO

RICE OPERATING COMPANY
JUSTIS L-1 GROUNDWATER MAP
5/24/06

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

DATE: 8/14/06
DWN. BY: JJ
FILE: C:\RICE\2142 SITE MAP

⊕ MONITOR WELL LOCATIONS

NOT TO SCALE

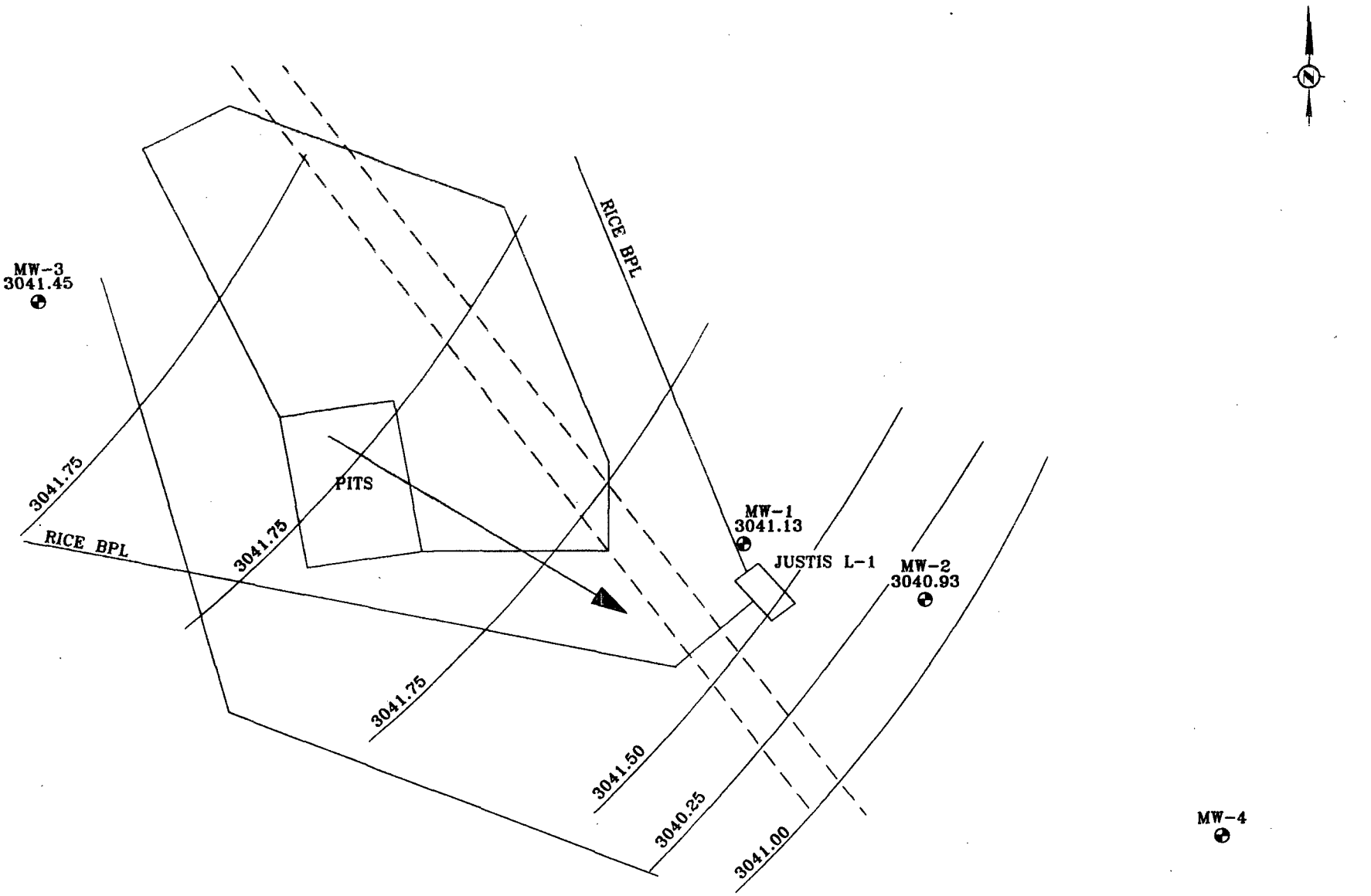


FIGURE NO. 4

LEA COUNTY, NEW MEXICO

RICE OPERATING COMPANY
JUSTIS L-1 GROUNDWATER MAP
9/14/06

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

DATE: 1/8/07
DWN. BY: JJ
FILE: C:\RICE\2142 SITE MAP

MONITOR WELL LOCATIONS

NOT TO SCALE

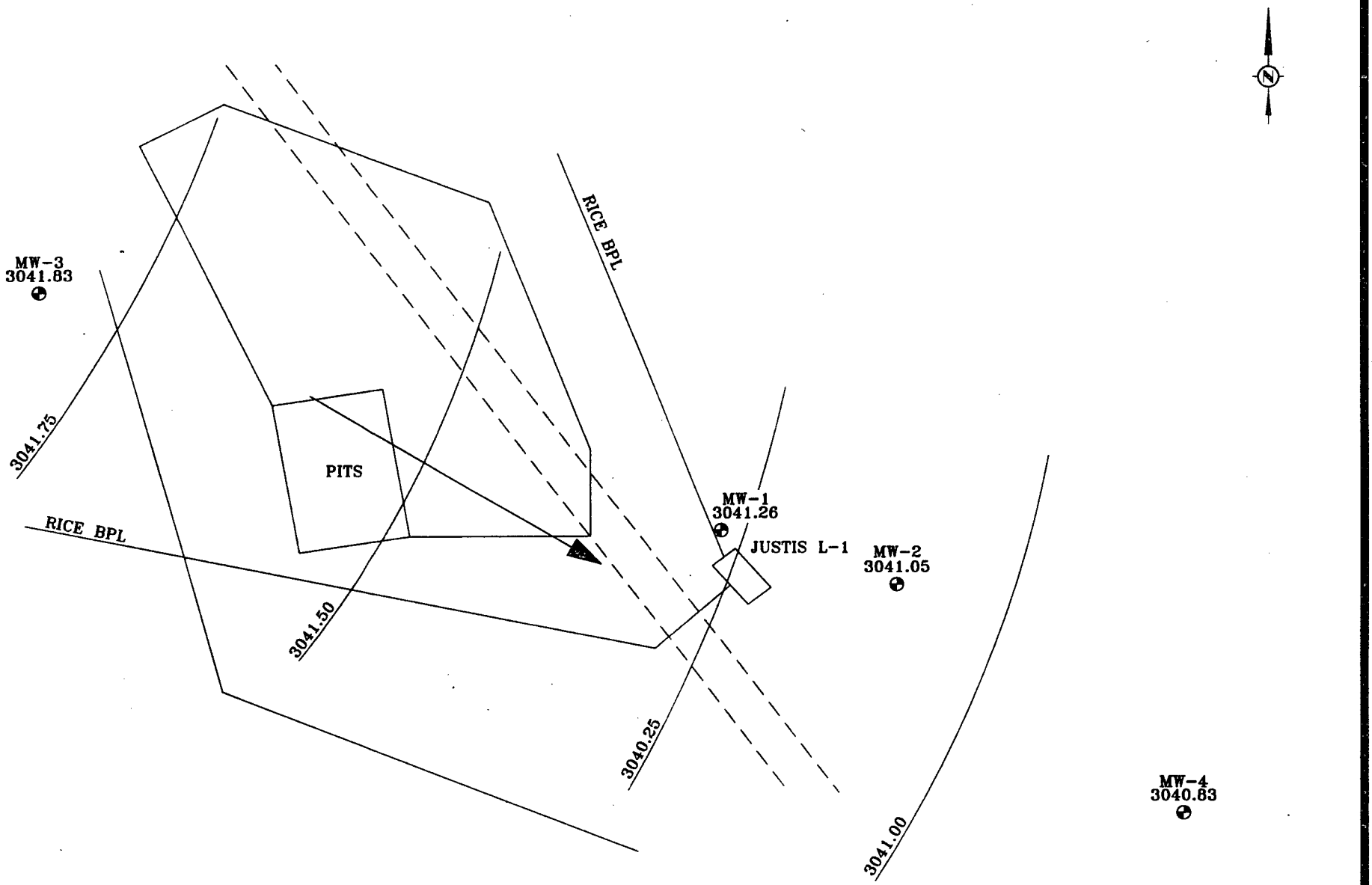


FIGURE NO. 5

LEA COUNTY, NEW MEXICO

RICE OPERATING COMPANY
JUSTIS L-1 GROUNDWATER MAP
10/30/06

DATE: 1/8/07
DWN. BY: JJ
FILE: C:\RICE\2142 SITE MAP

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

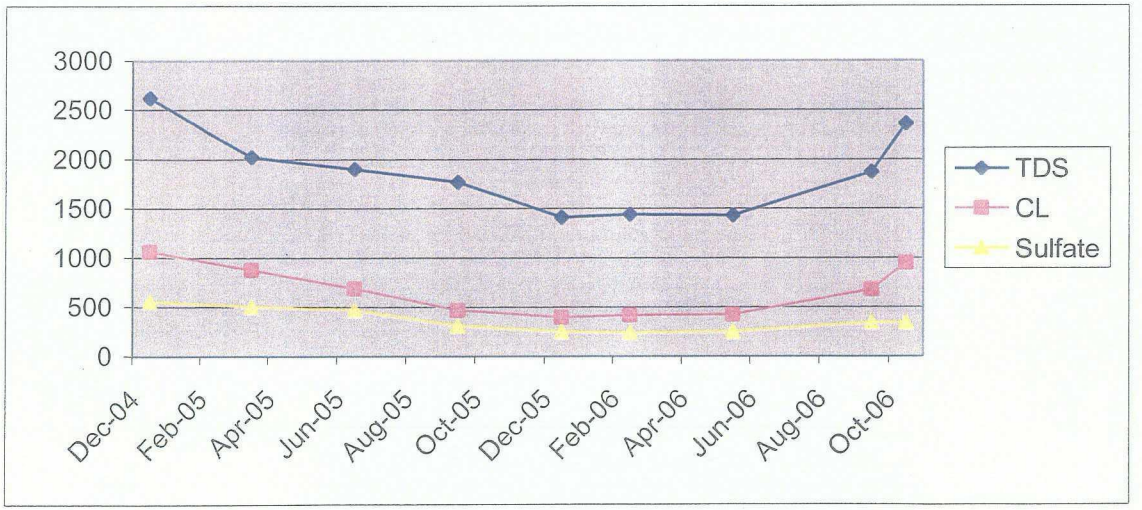
◒ MONITOR WELL LOCATIONS

NOT TO SCALE

TABLES

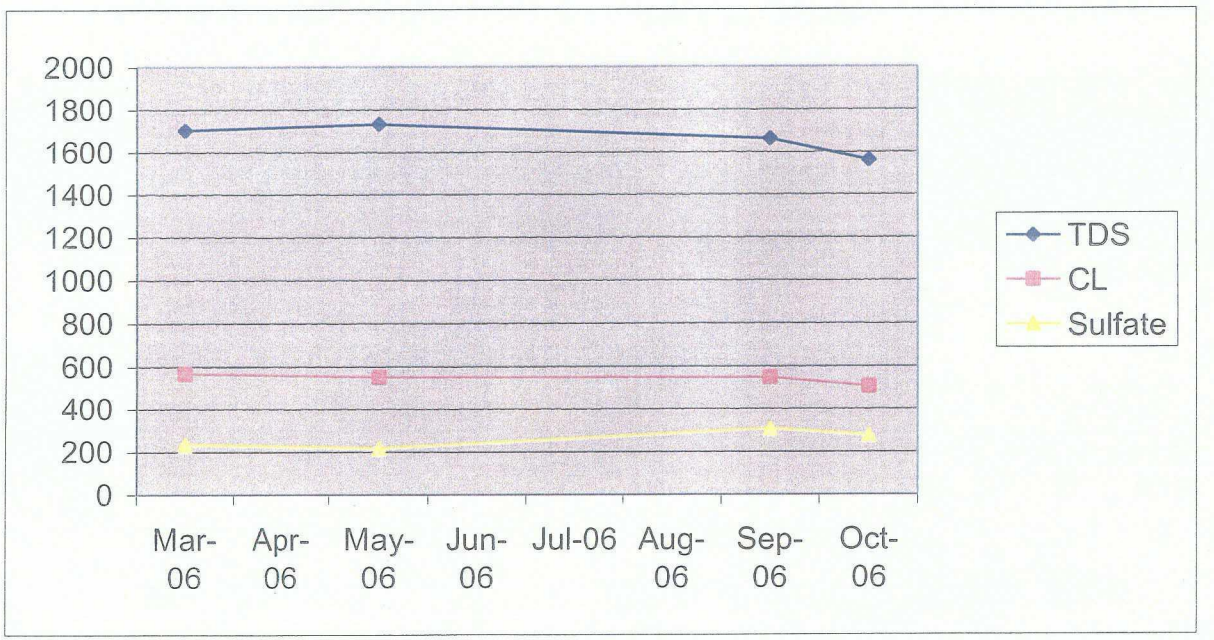
Rice Engineering Operating
Justice L-1
Lea County, New Mexico

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
1	78.43	92.00	XXX	20	12/21/04	1060	2620	0.0158	<0.001	0.00209	<0.001	550	
1	78.19	92.00	XXX	20	03/29/05	873	2020	0.000904	<0.001	<0.001	<0.001	502	
1	78.11	92.00	XXX	20	06/16/05	684	1900	<0.001	<0.001	<0.001	<0.001	468	
1	77.95	92.00	XXX	2.5	09/15/05	464	1770	<0.001	<0.001	<0.001	<0.001	307	
1	77.80	92.00	2.30	8	12/05/05	390	1410	<0.001	<0.001	<0.001	0.000666	245	
1	77.56	92.00	2.30	8	02/27/06	413	1440	<0.001	<0.001	<0.001	<0.001	236	
1	77.51	92.00	2.30	10	05/24/06	420	1430	<0.001	<0.001	<0.001	<0.001	246	
1	77.25	92.00	2.40	10	09/14/06	672	1870	<0.001	<0.001	<0.001	<0.001	339	
1	77.12	92.00	2.40	10	10/30/06	943	2360	<0.001	<0.001	<0.001	<0.001	339	Clear no odor



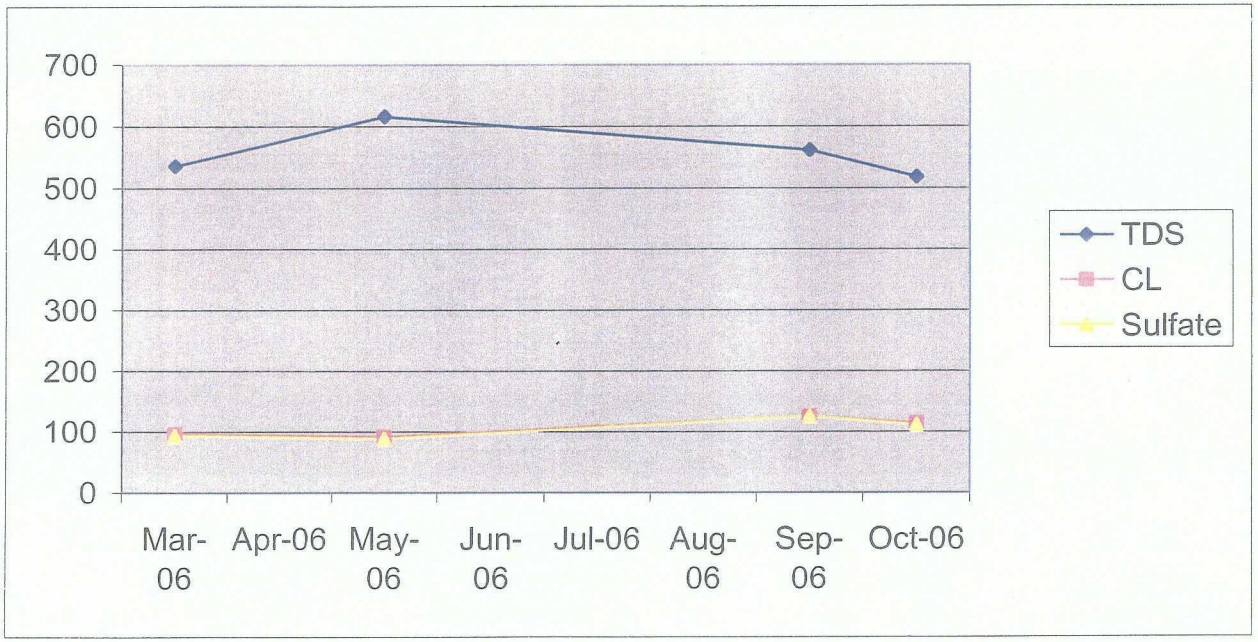
Rice Engineering Operating
Justice L-1
Lea County, New Mexico

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
2	77.72	93.05	2.50	12	03/28/06	564	1700	<0.001	<0.001	<0.001	<0.001	233	
2	77.48	93.05	2.50	15	05/24/06	549	1730	<0.001	<0.001	<0.001	<0.001	215	
2	77.23	93.05	2.50	10	09/14/06	546	1660	<0.001	<0.001	<0.001	<0.001	306	
2	77.11	93.05	2.60	10	10/30/06	505	1560	<0.001	<0.001	<0.001	<0.001	275	Clear no odor



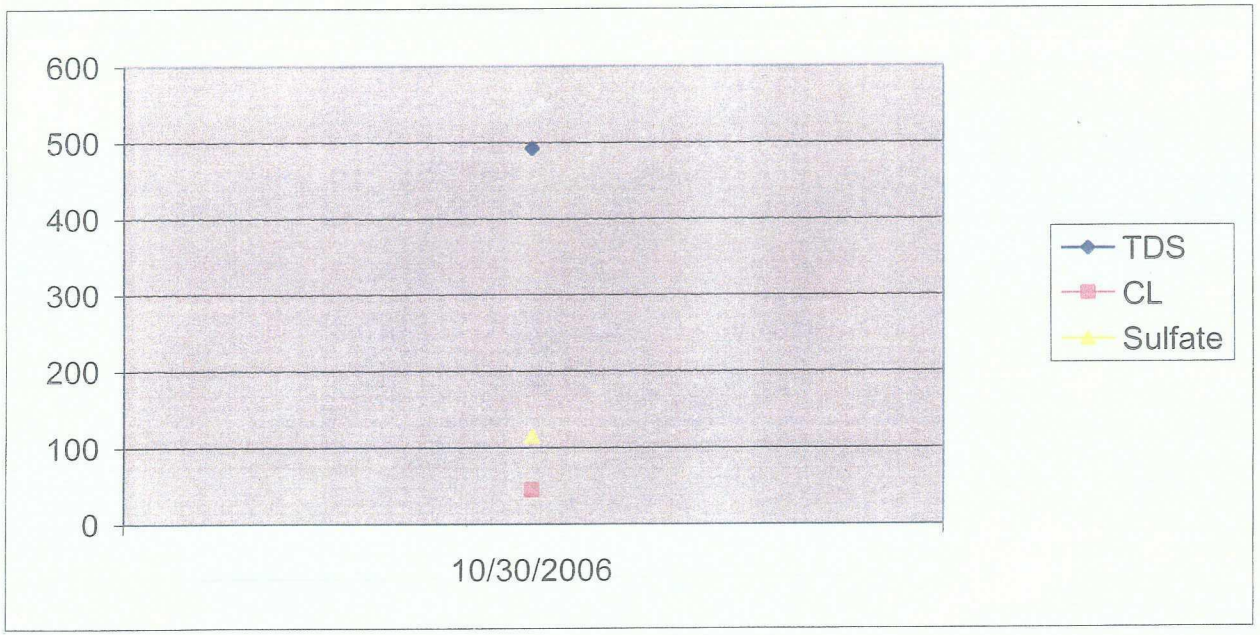
Rice Engineering Operating
Justice L-1
Lea County, New Mexico

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
3	78.21	93.00	2.40	12	03/28/06	96.3	536	<0.001	<0.001	<0.001	<0.001	93.4	
3	77.99	93.00	2.40	10	05/24/06	91.4	616	<0.001	<0.001	<0.001	<0.001	88.3	
3	77.99	93.00	2.40	10	09/14/06	125	562	<0.001	<0.001	<0.001	<0.001	125	
3	77.61	93.00	2.50	10	10/30/06	114	518	<0.001	<0.001	<0.001	<0.001	111	Clear no odor



Rice Engineering Operating
Justice L-1
Lea County, New Mexico

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
4	78.44	91.24	2.00	10	10/30/06	44.2	492	<0.001	<0.001	<0.001	<0.001	115	Clear no odor



APPENDIX A

Lab Analysis

2/27/06

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: Justis L-1 Vent

Project Number: None Given

Location: Lea County

Lab Order Number: 6C02022

Report Date: 03/15/06

Rice Operating Co.	Project: Justis L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/15/06 14:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6C02022-01	Water	02/27/06 16:30	03/02/06 16:05

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

Rice Operating Co.	Project: Justis L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/15/06 14:00

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6C02022-01) Water									
Benzene	ND	0.00100	mg/L	1	EC60704	03/07/06	03/08/06	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		*87.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*	*80-120*		"	"	"	"	

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

Rice Operating Co.	Project: Justis L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/15/06 14:00

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 (6C02022-01) Water									
Total Alkalinity	**202**	2.00	mg/L	1	EC60905	03/09/06	03/09/06	EPA 310.1M	
Chloride	**413**	10.0	"	20	EC60320	03/03/06	03/07/06	EPA 300.0	
Total Dissolved Solids	**1440**	5.00	"	1	EC60607	03/03/06	03/06/06	EPA 160.1	
Sulfate	**236**	10.0	"	20	EC60320	03/03/06	03/07/06	EPA 300.0	

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Rice Operating Co.	Project: Justis L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/15/06 14:00

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6C02022-01) Water									
Calcium	**151**	0.500	mg/L	50	EC60711	03/07/06	03/07/06	EPA 6010B	
Magnesium	**37.9**	0.0100	"	10	"	"	"	"	
Potassium	**9.05**	0.500	"	"	"	"	"	"	
Sodium	**340**	2.00	"	200	"	"	"	"	

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Rice Operating Co.	Project: Justis L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/15/06 14:00

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 EC60704 - EPA 5030C (GC)										
Blank (EC60704-BLK1)				Prepared: 03/07/06 Analyzed: 03/08/06						
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	*37.1*		*ug/l*	*40.0*		*92.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.5*		*"*	*40.0*		*98.8*	*80-120*			
LCS (EC60704-BS1)				Prepared: 03/07/06 Analyzed: 03/08/06						
Benzene	0.0440	0.00100	mg/L	0.0500		88.0	80-120			
Toluene	0.0489	0.00100	"	0.0500		97.8	80-120			
Ethylbenzene	0.0569	0.00100	"	0.0500		114	80-120			
Xylene (p/m)	0.117	0.00100	"	0.100		117	80-120			
Xylene (o)	0.0590	0.00100	"	0.0500		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*38.7*		*ug/l*	*40.0*		*96.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.3*		*"*	*40.0*		*106*	*80-120*			
Calibration Check (EC60704-CCV1)				Prepared: 03/07/06 Analyzed: 03/09/06						
Benzene	40.1		ug/l	50.0		80.2	80-120			
Toluene	40.8		"	50.0		81.6	80-120			
Ethylbenzene	42.9		"	50.0		85.8	80-120			
Xylene (p/m)	88.4		"	100		88.4	80-120			
Xylene (o)	44.3		"	50.0		88.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.1*		*"*	*40.0*		*85.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.7*		*"*	*40.0*		*81.8*	*80-120*			
Matrix Spike (EC60704-MS1)	**Source: 6C03007-06**			Prepared: 03/07/06 Analyzed: 03/09/06						
Benzene	0.0403	0.00100	mg/L	0.0500	ND	80.6	80-120			
Toluene	0.0432	0.00100	"	0.0500	ND	86.4	80-120			
Ethylbenzene	0.0464	0.00100	"	0.0500	ND	92.8	80-120			
Xylene (p/m)	0.0971	0.00100	"	0.100	ND	97.1	80-120			
Xylene (o)	0.0476	0.00100	"	0.0500	ND	95.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.4*		*ug/l*	*40.0*		*91.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.8*		*"*	*40.0*		*110*	*80-120*			

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Rice Operating Co.	Project: Justis L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/15/06 14:00

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 EC60704 - EPA 5030C (GC)										
Matrix Spike Dup (EC60704-MSD1)	**Source: 6C03007-06**			Prepared: 03/07/06 Analyzed: 03/09/06						
Benzene	0.0433	0.00100	mg/L	0.0500	ND	86.6	80-120	7.18	20	
Toluene	0.0472	0.00100	"	0.0500	ND	94.4	80-120	8.85	20	
Ethylbenzene	0.0539	0.00100	"	0.0500	ND	108	80-120	15.1	20	
Xylene (p/m)	0.112	0.00100	"	0.100	ND	112	80-120	14.3	20	
Xylene (o)	0.0541	0.00100	"	0.0500	ND	108	80-120	12.6	20	
Surrogate: a,a,a-Trifluorotoluene	*36.5*		*ug/l*	*40.0*		*91.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.0*		*"*	*40.0*		*95.0*	*80-120*			

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

Rice Operating Co.	Project: Justis L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/15/06 14:00

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 EC60320 - General Preparation (WetChem)										
Blank (EC60320-BLK1)				Prepared: 03/03/06 Analyzed: 03/07/06						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EC60320-BS1)				Prepared: 03/03/06 Analyzed: 03/07/06						
Sulfate	8.49		mg/L	10.0		84.9	80-120			
Chloride	8.77		"	10.0		87.7	80-120			
Calibration Check (EC60320-CCV1)				Prepared: 03/03/06 Analyzed: 03/07/06						
Chloride	9.37		mg/L	10.0		93.7	80-120			
Sulfate	9.44		"	10.0		94.4	80-120			
Duplicate (EC60320-DUP1)	**Source: 6C02021-03**			Prepared: 03/03/06 Analyzed: 03/07/06						
Chloride	27.1	5.00	mg/L		26.8			1.11	20	
Sulfate	124	5.00	"		123			0.810	20	
Batch EC60607 - General Preparation (WetChem)										
Blank (EC60607-BLK1)				Prepared: 03/03/06 Analyzed: 03/06/06						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EC60607-DUP1)	**Source: 6C02020-01**			Prepared: 03/03/06 Analyzed: 03/06/06						
Total Dissolved Solids	524	5.00	mg/L		538			2.64	5	
Duplicate (EC60607-DUP2)	**Source: 6C02021-03**			Prepared: 03/03/06 Analyzed: 03/06/06						
Total Dissolved Solids	570	5.00	mg/L		562			1.41	5	

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Rice Operating Co.	Project: Justis L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/15/06 14:00

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 EC60905 - General Preparation (WetChem)										
Blank (EC60905-BLK1)				Prepared & Analyzed: 03/09/06						
Total Alkalinity	ND	2.00	mg/L							
LCS (EC60905-BS1)				Prepared & Analyzed: 03/09/06						
Bicarbonate Alkalinity	216	2.00	mg/L	200		108	85-115			
Duplicate (EC60905-DUP1)	**Source: 6C02020-01**			Prepared & Analyzed: 03/09/06						
Total Alkalinity	195	2.00	mg/L		194			0.514	20	
Reference (EC60905-SRM1)				Prepared & Analyzed: 03/09/06						
Total Alkalinity	97.0		mg/L	100		97.0	90-110			

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Rice Operating Co.	Project: Justis L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/15/06 14:00

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 EC60711 - 6010B/No Digestion										
Blank (EC60711-BLK1)				Prepared & Analyzed: 03/07/06						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EC60711-CCV1)				Prepared & Analyzed: 03/07/06						
Calcium	2.04		mg/L	2.00		102	85-115			
Magnesium	2.09		"	2.00		104	85-115			
Potassium	1.90		"	2.00		95.0	85-115			
Sodium	1.85		"	2.00		92.5	85-115			
Duplicate (EC60711-DUP1)	**Source: 6C02020-01**			Prepared & Analyzed: 03/07/06						
Calcium	73.7	0.100	mg/L		72.7			1.37	20	
Magnesium	15.8	0.0100	"		15.2			3.87	20	
Potassium	3.61	0.0500	"		3.71			2.73	20	
Sodium	37.6	0.100	"		37.2			1.07	20	

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Rice Operating Co.	Project: Justis L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	03/15/06 14:00

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: 3/15/2006

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
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: Justis L-1 Vent
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	TCLP: Cations (Ca, Mg, Na, K)	TCLP: Anions (Cl, SO4, CO3, HCO3)	TCLP: SAR / ESP / CEC	TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	TCLP: Volatiles	TCLP: Semivolatiles	TOTAL: BTEX 8021B/5030	TOTAL: RCI	TOTAL: N.O.R.M.	TOTAL: Total Dissolved Solids	RUSH TAT (Pre-Schedule)	Standard TAT
-01	Monitor Well #1	2/27/2006	16:30	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 / Cooler
Temperature Upon Receipt: -1.0°C not froze

Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	3/2/06	1605			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Deanne McMurrey	03-02-06	1605

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

Client: Rice Op.

Date/Time: 3/2/08 11:05

Order #: 1C02022

Initials: CK

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:

Samples not frozen.

Variance Documentation:

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

Regarding:

Corrective Action Taken:

3/28/06

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: Justis Jct. L-1 Vent

Project Number: None Given

Location: Lea County

Lab Order Number: 6C29006

Report Date: 04/06/06

Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/06/06 14:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #2	6C29006-01	Water	03/28/06 09:20	03/29/06 13:40
Monitor Well #3	6C29006-02	Water	03/28/06 10:55	03/29/06 13:40

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/06/06 14:01

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #2 (6C29006-01) Water									
Benzene	ND	0.00100	mg/L	1	EC63016	03/30/06	03/31/06	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		*80.8 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.8 %*		*80-120*	"	"	"	"	
Monitor Well #3 (6C29006-02) Water									
Benzene	ND	0.00100	mg/L	1	EC63016	03/30/06	03/31/06	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		*80.2 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*		*80-120*	"	"	"	"	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/06/06 14:01

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #2 (6C29006-01) Water									
Total Alkalinity	**177**	2.00	mg/L	1	ED60315	04/03/06	04/03/06	EPA 310.1M	
Chloride	**564**	10.0	"	20	ED60306	03/31/06	04/03/06	EPA 300.0	
Total Dissolved Solids	**1700**	5.00	"	1	EC63019	03/29/06	03/30/06	EPA 160.1	
Sulfate	**233**	10.0	"	20	ED60306	03/31/06	04/03/06	EPA 300.0	
Monitor Well #3 (6C29006-02) Water									
Total Alkalinity	**156**	2.00	mg/L	1	ED60315	04/03/06	04/03/06	EPA 310.1M	
Chloride	**96.3**	5.00	"	10	ED60306	03/31/06	04/03/06	EPA 300.0	
Total Dissolved Solids	**536**	5.00	"	1	EC63019	03/29/06	03/30/06	EPA 160.1	
Sulfate	**93.4**	5.00	"	10	ED60306	03/31/06	04/03/06	EPA 300.0	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/06/06 14:01

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #2 (6C29006-01) Water									
Calcium	**194**	0.500	mg/L	50	EC63112	03/31/06	03/31/06	EPA 200.7	
Magnesium	**48.1**	0.0100	"	10	"	"	"	"	
Potassium	**10.2**	0.500	"	"	"	"	"	"	
Sodium	**274**	2.00	"	200	"	"	"	"	
Monitor Well #3 (6C29006-02) Water									
Calcium	**70.2**	0.100	mg/L	10	EC63112	03/31/06	03/31/06	EPA 200.7	
Magnesium	**23.1**	0.0100	"	"	"	"	"	"	
Potassium	**3.93**	0.500	"	"	"	"	"	"	
Sodium	**62.9**	0.500	"	50	"	"	"	"	

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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 EC63016 - EPA 5030C (GC)										
Blank (EC63016-BLK1)				Prepared & Analyzed: 03/30/06						
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	*33.8*		*ug/l*	*40.0*		*84.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.6*		"	*40.0*		*96.5*	*80-120*			
LCS (EC63016-BS1)				Prepared & Analyzed: 03/30/06						
Benzene	0.0405	0.00100	mg/L	0.0500		81.0	80-120			
Toluene	0.0441	0.00100	"	0.0500		88.2	80-120			
Ethylbenzene	0.0593	0.00100	"	0.0500		119	80-120			
Xylene (p/m)	0.102	0.00100	"	0.100		102	80-120			
Xylene (o)	0.0499	0.00100	"	0.0500		99.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.4*		*ug/l*	*40.0*		*86.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.8*		"	*40.0*		*99.5*	*80-120*			
Calibration Check (EC63016-CCV1)				Prepared: 03/30/06 Analyzed: 03/31/06						
Benzene	45.1		ug/l	50.0		90.2	80-120			
Toluene	41.8		"	50.0		83.6	80-120			
Ethylbenzene	46.8		"	50.0		93.6	80-120			
Xylene (p/m)	95.9		"	100		95.9	80-120			
Xylene (o)	47.5		"	50.0		95.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.7*		"	*40.0*		*99.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.1*		"	*40.0*		*87.8*	*80-120*			
Matrix Spike (EC63016-MS1)	**Source: 6C24010-02**			Prepared: 03/30/06 Analyzed: 03/31/06						
Benzene	0.0450	0.00100	mg/L	0.0500	ND	90.0	80-120			
Toluene	0.0429	0.00100	"	0.0500	ND	85.8	80-120			
Ethylbenzene	0.0491	0.00100	"	0.0500	ND	98.2	80-120			
Xylene (p/m)	0.0999	0.00100	"	0.100	ND	99.9	80-120			
Xylene (o)	0.0492	0.00100	"	0.0500	ND	98.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*35.1*		*ug/l*	*40.0*		*87.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.9*		"	*40.0*		*92.2*	*80-120*			

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/06/06 14:01

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 EC63016 - EPA 5030C (GC)										
Matrix Spike Dup (EC63016-MSD1)	**Source: 6C24010-02**			Prepared: 03/30/06 Analyzed: 03/31/06						
Benzene	0.0433	0.00100	mg/L	0.0500	ND	86.6	80-120	3.85	20	
Toluene	0.0415	0.00100	"	0.0500	ND	83.0	80-120	3.32	20	
Ethylbenzene	0.0475	0.00100	"	0.0500	ND	95.0	80-120	3.31	20	
Xylene (p/m)	0.0971	0.00100	"	0.100	ND	97.1	80-120	2.84	20	
Xylene (o)	0.0475	0.00100	"	0.0500	ND	95.0	80-120	3.52	20	
Surrogate: a,a,a-Trifluorotoluene	*43.1*		*ug/l*	*40.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.5*		*"*	*40.0*		*86.2*	*80-120*			

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/06/06 14:01

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 EC63019 - General Preparation (WetChem)										
Blank (EC63019-BLK1)				Prepared: 03/29/06 Analyzed: 03/30/06						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EC63019-DUP1)		**Source: 6C29006-01**		Prepared: 03/29/06 Analyzed: 03/30/06						
Total Dissolved Solids	1660	5.00	mg/L		1700			2.38	5	
Batch ED60306 - General Preparation (WetChem)										
Blank (ED60306-BLK1)				Prepared & Analyzed: 04/03/06						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (ED60306-BS1)				Prepared & Analyzed: 04/03/06						
Chloride	8.69		mg/L	10.0		86.9	80-120			
Sulfate	9.44		"	10.0		94.4	80-120			
Calibration Check (ED60306-CCV1)				Prepared & Analyzed: 04/03/06						
Sulfate	9.95		mg/L	10.0		99.5	80-120			
Chloride	9.04		"	10.0		90.4	80-120			
Duplicate (ED60306-DUP1)		**Source: 6C29006-01**		Prepared & Analyzed: 04/03/06						
Sulfate	211	10.0	mg/L		233			9.91	20	
Chloride	570	10.0	"		564			1.06	20	
Batch ED60315 - General Preparation (WetChem)										
Blank (ED60315-BLK1)				Prepared & Analyzed: 04/03/06						
Total Alkalinity	ND	2.00	mg/L							

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/06/06 14:01

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 ED60315 - General Preparation (WetChem)										
Duplicate (ED60315-DUP1)	**Source: 6C29006-01**			Prepared & Analyzed: 04/03/06						
Total Alkalinity	176	2.00	mg/L		177			0.567	20	
Reference (ED60315-SRM1)				Prepared & Analyzed: 04/03/06						
Total Alkalinity	98.0		mg/L	100		98.0	90-110			

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

Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/06/06 14:01

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 EC63112 - 6010B/No Digestion										
Blank (EC63112-BLK1)				Prepared & Analyzed: 03/31/06						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EC63112-CCV1)				Prepared & Analyzed: 03/31/06						
Calcium	1.85		mg/L	2.00		92.5	85-115			
Magnesium	1.84		"	2.00		92.0	85-115			
Potassium	1.76		"	2.00		88.0	85-115			
Sodium	1.74		"	2.00		87.0	85-115			
Duplicate (EC63112-DUP1)	**Source: 6C23007-01**			Prepared & Analyzed: 03/31/06						
Calcium	145	0.500	mg/L		147			1.37	20	
Magnesium	94.1	0.0500	"		93.9			0.213	20	
Potassium	30.2	0.500	"		29.7			1.67	20	
Sodium	483	2.00	"		490			1.44	20	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	04/06/06 14:01

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: 4/6/2006

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

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
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: Justis Jct. L-1 Vent
Project #:
Project Loc: Lea County
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl (2) 40 ml glass vials	NaOH	H2SO4	None (1) 1 Liter HDPE	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: 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	TOTAL: BTEX 8021B/5030	RCI	N.O.R.M.	Total Dissolved Solids				RUSH TAT (Pre-Schedule)	Standard TAT
1	Monitor Well #2	3/28/2006	9:20	3	X		2			1		X					X	X					X			X					X
2	Monitor Well #3	3/28/2006	10:55	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 Cooler
Temperature Upon Receipt: 1.0°C

Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	3/29/06	1:39			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Carrie Reese	3/29/06	1:40

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

Client: Live Oak

Date/Time: 3/29/06 1:40

Order #: 060329006

Initials: CK

Sample Receipt Checklist

	Yes	No	
Temperature of container/cooler?			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:

5/24/06

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: Justis Jct. L-1 Vent

Project Number: None Given

Location: Lea County

Lab Order Number: 6E25009

Report Date: 06/05/06

Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	06/05/06 14:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6E25009-01	Water	05/24/06 07:45	05/25/06 10:50
Monitor Well #2	6E25009-02	Water	05/24/06 08:35	05/25/06 10:50
Monitor Well #3	6E25009-03	Water	05/24/06 09:40	05/25/06 10:50

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	06/05/06 14:46

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 (6E25009-01) Water									
Total Alkalinity	**214**	2.00	mg/L	1	EE63019	06/01/06	06/01/06	EPA 310.1M	
Carbonate Alkalinity	ND	0.100	"	"	"	"	"	"	
Bicarbonate Alkalinity	ND	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**420**	12.5	"	25	EE63012	05/30/06	05/30/06	EPA 300.0	
Total Dissolved Solids	**1430**	5.00	"	1	EE63017	05/25/06	05/26/06	EPA 160.1	
Sulfate	**246**	12.5	"	25	EE63012	05/30/06	05/30/06	EPA 300.0	
Monitor Well #2 (6E25009-02) Water									
Total Alkalinity	**200**	2.00	mg/L	1	EE63019	06/01/06	06/01/06	EPA 310.1M	
Carbonate Alkalinity	ND	0.100	"	"	"	"	"	"	
Bicarbonate Alkalinity	ND	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**549**	12.5	"	25	EE63012	05/30/06	05/30/06	EPA 300.0	
Total Dissolved Solids	**1730**	5.00	"	1	EE63017	05/25/06	05/26/06	EPA 160.1	
Sulfate	**215**	12.5	"	25	EE63012	05/30/06	05/30/06	EPA 300.0	
Monitor Well #3 (6E25009-03) Water									
Total Alkalinity	**150**	2.00	mg/L	1	EE63019	06/01/06	06/01/06	EPA 310.1M	
Carbonate Alkalinity	ND	0.100	"	"	"	"	"	"	
Bicarbonate Alkalinity	ND	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	**91.4**	5.00	"	10	EE63012	05/30/06	05/30/06	EPA 300.0	
Total Dissolved Solids	**616**	5.00	"	1	EE63017	05/25/06	05/26/06	EPA 160.1	
Sulfate	**88.3**	5.00	"	10	EE63012	05/30/06	05/30/06	EPA 300.0	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	06/05/06 14:46

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6E25009-01) Water									
Calcium	**139**	0.500	mg/L	50	EE63023	05/30/06	05/30/06	EPA 6010B	
Magnesium	**47.3**	0.0100	"	10	"	"	"	"	
Potassium	**6.52**	0.500	"	"	"	"	"	"	
Sodium	**269**	0.500	"	50	"	"	"	"	
Monitor Well #2 (6E25009-02) Water									
Calcium	**173**	0.500	mg/L	50	EE63023	05/30/06	05/30/06	EPA 6010B	
Magnesium	**54.7**	0.0100	"	10	"	"	"	"	
Potassium	**8.04**	0.500	"	"	"	"	"	"	
Sodium	**302**	0.500	"	50	"	"	"	"	
Monitor Well #3 (6E25009-03) Water									
Calcium	**70.8**	0.100	mg/L	10	EE63023	05/30/06	05/30/06	EPA 6010B	
Magnesium	**24.2**	0.0100	"	"	"	"	"	"	
Potassium	**3.87**	0.500	"	"	"	"	"	"	
Sodium	**64.3**	0.100	"	"	"	"	"	"	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	06/05/06 14:46

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 (6E25009-01) Water									
Benzene	ND	1.00	ug/l	1	EF60104	05/31/06	06/01/06	EPA 8260B	
Toluene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	
Xylene (o)	ND	1.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.0 %*		*68-129*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83.0 %*		*72-132*	"	"	"	"	
Surrogate: Toluene-d8		*91.6 %*		*74-118*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.2 %*		*65-140*	"	"	"	"	
Monitor Well #2 (6E25009-02) Water									
Benzene	ND	1.00	ug/l	1	EF60104	05/31/06	06/01/06	EPA 8260B	
Toluene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	
Xylene (o)	ND	1.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*		*68-129*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89.8 %*		*72-132*	"	"	"	"	
Surrogate: Toluene-d8		*96.8 %*		*74-118*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.4 %*		*65-140*	"	"	"	"	
Monitor Well #3 (6E25009-03) Water									
Benzene	ND	1.00	ug/l	1	EF60104	05/31/06	06/01/06	EPA 8260B	
Toluene	ND	1.00	"	"	"	"	"	"	
Ethylbenzene	ND	1.00	"	"	"	"	"	"	
Xylene (p/m)	ND	1.00	"	"	"	"	"	"	
Xylene (o)	ND	1.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*68-129*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.0 %*		*72-132*	"	"	"	"	
Surrogate: Toluene-d8		*94.0 %*		*74-118*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.0 %*		*65-140*	"	"	"	"	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	06/05/06 14:46

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 EE63012 - General Preparation (WetChem)										
Blank (EE63012-BLK1)				Prepared & Analyzed: 05/30/06						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EE63012-BS1)				Prepared & Analyzed: 05/30/06						
Chloride	9.89	0.500	mg/L	10.0		98.9	80-120			
Sulfate	8.10	0.500	"	10.0		81.0	80-120			
Calibration Check (EE63012-CCV1)				Prepared & Analyzed: 05/30/06						
Chloride	9.82		mg/L	10.0		98.2	80-120			
Sulfate	8.15		"	10.0		81.5	80-120			
Duplicate (EE63012-DUP1)		**Source: 6E25009-01**		Prepared & Analyzed: 05/30/06						
Sulfate	248	12.5	mg/L		246			0.810	20	
Chloride	425	12.5	"		420			1.18	20	
Matrix Spike (EE63012-MS1)		**Source: 6E25009-01**		Prepared & Analyzed: 05/30/06						
Chloride	736	12.5	mg/L	250	420	126	80-120			S-07
Sulfate	439	12.5	"	250	246	77.2	80-120			S-07
Batch EE63017 - Filtration Preparation										
Blank (EE63017-BLK1)				Prepared: 05/25/06 Analyzed: 05/26/06						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EE63017-DUP1)		**Source: 6E25009-01**		Prepared: 05/25/06 Analyzed: 05/26/06						
Total Dissolved Solids	1410	5.00	mg/L		1430			1.41	5	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	06/05/06 14:46

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 EE63019 - General Preparation (WetChem)										
Blank (EE63019-BLK1)				Prepared & Analyzed: 06/01/06						
Total Alkalinity	ND	2.00	mg/L							
Carbonate Alkalinity	ND	0.100	"							
Bicarbonate Alkalinity	ND	2.00	"							
LCS (EE63019-BS1)				Prepared & Analyzed: 06/01/06						
Bicarbonate Alkalinity	216	2.00	mg/L	200		108	85-115			
Duplicate (EE63019-DUP1)		**Source: 6E25009-01**		Prepared & Analyzed: 06/01/06						
Total Alkalinity	213	2.00	mg/L		214			0.468	20	
Reference (EE63019-SRM1)				Prepared & Analyzed: 06/01/06						
Total Alkalinity	96.0		mg/L	100		96.0	90-110			

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	06/05/06 14:46

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 EE63023 - 6010B/No Digestion										
Blank (EE63023-BLK1)				Prepared & Analyzed: 05/30/06						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EE63023-CCV1)				Prepared & Analyzed: 05/30/06						
Calcium	2.15		mg/L	2.00		108	85-115			
Magnesium	2.25		"	2.00		112	85-115			
Potassium	1.90		"	2.00		95.0	85-115			
Sodium	1.93		"	2.00		96.5	85-115			
Duplicate (EE63023-DUP1)	**Source: 6E24005-01**			Prepared & Analyzed: 05/30/06						
Calcium	105	0.500	mg/L		108			2.82	20	
Magnesium	44.8	0.0100	"		43.7			2.49	20	
Potassium	10.3	0.500	"		11.1			7.48	20	
Sodium	266	0.500	"		260			2.28	20	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	06/05/06 14:46

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 EF60104 - EPA 5030C (GCMS)										
Blank (EF60104-BLK1)				Prepared & Analyzed: 05/31/06						
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	"							
Surrogate: Dibromofluoromethane	*53.2*		"	*50.0*		*106*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*47.3*		"	*50.0*		*94.6*	*72-132*			
Surrogate: Toluene-d8	*45.4*		"	*50.0*		*90.8*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*40.7*		"	*50.0*		*81.4*	*65-140*			
LCS (EF60104-BS1)				Prepared: 05/31/06 Analyzed: 06/01/06						
Benzene	25.0	1.00	ug/l	25.0		100	70-130			
Toluene	25.5	1.00	"	25.0		102	70-130			
Ethylbenzene	25.8	1.00	"	25.0		103	70-130			
Xylene (p/m)	47.4	1.00	"	50.0		94.8	70-130			
Xylene (o)	25.2	1.00	"	25.0		101	70-130			
Surrogate: Dibromofluoromethane	*49.6*		"	*50.0*		*99.2*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*46.0*		"	*50.0*		*92.0*	*72-132*			
Surrogate: Toluene-d8	*45.9*		"	*50.0*		*91.8*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*41.6*		"	*50.0*		*83.2*	*65-140*			
Calibration Check (EF60104-CCV1)				Prepared: 05/31/06 Analyzed: 06/01/06						
Toluene	46.1		ug/l	50.0		92.2	70-130			
Ethylbenzene	39.0		"	50.0		78.0	70-130			
Surrogate: Dibromofluoromethane	*48.2*		"	*50.0*		*96.4*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*43.1*		"	*50.0*		*86.2*	*72-132*			
Surrogate: Toluene-d8	*45.2*		"	*50.0*		*90.4*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*39.4*		"	*50.0*		*78.8*	*65-140*			

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	06/05/06 14:46

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 EF60104 - EPA 5030C (GCMS)										
Matrix Spike (EF60104-MS1)	**Source: 6E25011-01**			Prepared: 05/31/06 Analyzed: 06/01/06						
Benzene	23.8	1.00	ug/l	25.0	ND	95.2	80-120			
Toluene	24.1	1.00	"	25.0	ND	96.4	80-120			
Ethylbenzene	24.8	1.00	"	25.0	ND	99.2	80-120			
Xylene (p/m)	45.3	1.00	"	50.0	ND	90.6	80-120			
Xylene (o)	24.2	1.00	"	25.0	ND	96.8	80-120			
Surrogate: Dibromofluoromethane	*48.0*		"	*50.0*		*96.0*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*44.5*		"	*50.0*		*89.0*	*72-132*			
Surrogate: Toluene-d8	*45.4*		"	*50.0*		*90.8*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*40.5*		"	*50.0*		*81.0*	*65-140*			
Matrix Spike Dup (EF60104-MSD1)	**Source: 6E25011-01**			Prepared: 05/31/06 Analyzed: 06/01/06						
Benzene	25.2	1.00	ug/l	25.0	ND	101	80-120	5.71	20	
Toluene	25.7	1.00	"	25.0	ND	103	80-120	6.43	20	
Ethylbenzene	26.1	1.00	"	25.0	ND	104	80-120	5.11	20	
Xylene (p/m)	47.2	1.00	"	50.0	ND	94.4	80-120	4.11	20	
Xylene (o)	25.4	1.00	"	25.0	ND	102	80-120	4.84	20	
Surrogate: Dibromofluoromethane	*46.4*		"	*50.0*		*92.8*	*68-129*			
Surrogate: 1,2-Dichloroethane-d4	*42.9*		"	*50.0*		*85.8*	*72-132*			
Surrogate: Toluene-d8	*43.4*		"	*50.0*		*86.8*	*74-118*			
Surrogate: 4-Bromofluorobenzene	*38.6*		"	*50.0*		*77.2*	*65-140*			

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	06/05/06 14:46

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: Celey D Keene Date: 6/5/2006

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

Jeanne Mc Murrey, Inorg. Tech Director
La Tasha 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: Justis Jct. L-1 Vent
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	TCLP: Cations (Ca, Mg, Na, K)	TCLP: Anions (Cl, SO4, CO3, HCO3)	TCLP: SAR / ESP / CEC	TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	TCLP: Volatiles	TCLP: Semivolatiles	TOTAL: BTEX 8021B/5030	TOTAL: RCI	TOTAL: N.O.R.M.	TOTAL: Total Dissolved Solids				RUSH TAT (Pre-Schedule)	Standard TAT
101	Monitor Well #1	5/24/2006	7:45	3	X		2			1		X					X	X					X			X					X
102	Monitor Well #2	5/24/2006	8:35	3	X		2			1		X					X	X					X			X					X
103	Monitor Well #3	5/24/2006	9:40	3	X		2			1		X					X	X					X			X					X

ice E25009

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: 2.5°C

Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	5/25/06	6:00	James Johnson	5/25/06	6:01
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
James Johnson	5/25/06	10:50	Jeanne McMurry	05-25-06	1050

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

Client: Rice Op.

Date/Time: 5/25/06 10:50

Order #: 6E25009

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	2.5 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:

9/14/06

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: Justis Junction L-1 Vent

Project Number: None Given

Location: T25S-R37E-Sec1L- Lea County, NM

Lab Order Number: 6I14014

Report Date: 09/22/06

Rice Operating Co.	Project: Justis Junction L-1 Vent	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	6I14014-01	Water	09/14/06 13:45	09-14-2006 16:00
Monitor Well #2	6I14014-02	Water	09/14/06 12:20	09-14-2006 16:00
Monitor Well #3	6I14014-03	Water	09/14/06 11:25	09-14-2006 16:00

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Rice Operating Co.	Project: Justis Junction L-1 Vent	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 (6I14014-01) Water									
Benzene	ND	0.00100	mg/L	1	EI61906	09/19/06	09/20/06	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		*93.0 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.2 %*		*80-120*		"	"	"	
Monitor Well #2 (6I14014-02) Water									
Benzene	ND	0.00100	mg/L	1	EI61906	09/19/06	09/20/06	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		*89.8 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.8 %*		*80-120*		"	"	"	
Monitor Well #3 (6I14014-03) Water									
Benzene	ND	0.00100	mg/L	1	EI61906	09/19/06	09/20/06	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		*95.5 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*		*80-120*		"	"	"	

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Rice Operating Co.	Project: Justis Junction L-1 Vent	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 (6I14014-01) Water									
Total Alkalinity	**226**	2.00	mg/L	1	EI62015	09/20/06	09/20/06	EPA 310.1M	
Chloride	**672**	12.5	"	25	EI61815	09/15/06	09/19/06	EPA 300.0	
Total Dissolved Solids	**1870**	10.0	"	1	EI61818	09/15/06	09/18/06	EPA 160.1	
Sulfate	**339**	12.5	"	25	EI61815	09/15/06	09/19/06	EPA 300.0	
Monitor Well #2 (6I14014-02) Water									
Total Alkalinity	**256**	2.00	mg/L	1	EI62015	09/20/06	09/20/06	EPA 310.1M	
Chloride	**546**	12.5	"	25	EI61815	09/15/06	09/19/06	EPA 300.0	
Total Dissolved Solids	**1660**	10.0	"	1	EI61818	09/15/06	09/18/06	EPA 160.1	
Sulfate	**306**	12.5	"	25	EI61815	09/15/06	09/19/06	EPA 300.0	
Monitor Well #3 (6I14014-03) Water									
Total Alkalinity	**160**	2.00	mg/L	1	EI62015	09/20/06	09/20/06	EPA 310.1M	
Chloride	**125**	5.00	"	10	EI61815	09/15/06	09/19/06	EPA 300.0	
Total Dissolved Solids	**562**	10.0	"	1	EI61818	09/15/06	09/18/06	EPA 160.1	
Sulfate	**125**	5.00	"	10	EI61815	09/15/06	09/19/06	EPA 300.0	

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Rice Operating Co.	Project: Justis Junction L-1 Vent	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 (6I14014-01) Water									
Calcium	**205**	4.05	mg/L	50	EI61801	09/18/06	09/18/06	EPA 6010B	
Magnesium	**83.3**	1.80	"	"	"	"	"	"	
Potassium	**8.08**	0.600	"	10	"	"	"	"	
Sodium	**275**	2.15	"	50	"	"	"	"	
Monitor Well #2 (6I14014-02) Water									
Calcium	**157**	4.05	mg/L	50	EI61801	09/18/06	09/18/06	EPA 6010B	
Magnesium	**49.1**	0.360	"	10	"	"	"	"	
Potassium	**7.86**	0.600	"	"	"	"	"	"	
Sodium	**293**	2.15	"	50	"	"	"	"	
Monitor Well #3 (6I14014-03) Water									
Calcium	**80.9**	0.810	mg/L	10	EI61801	09/18/06	09/18/06	EPA 6010B	
Magnesium	**25.0**	0.360	"	"	"	"	"	"	
Potassium	**3.73**	0.600	"	"	"	"	"	"	
Sodium	**59.4**	0.430	"	"	"	"	"	"	

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Rice Operating Co.	Project: Justis Junction L-1 Vent	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 EI61906 - EPA 5030C (GC)										
Blank (EI61906-BLK1)				Prepared: 09/19/06 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	*41.7*		*ug/l*	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.7*		*"*	*40.0*		*107*	*80-120*			
LCS (EI61906-BS1)				Prepared & Analyzed: 09/19/06						
Benzene	0.0553	0.00100	mg/L	0.0500		111	80-120			
Toluene	0.0473	0.00100	"	0.0500		94.6	80-120			
Ethylbenzene	0.0437	0.00100	"	0.0500		87.4	80-120			
Xylene (p/m)	0.105	0.00100	"	0.100		105	80-120			
Xylene (o)	0.0506	0.00100	"	0.0500		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.9*		*ug/l*	*40.0*		*99.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.7*		*"*	*40.0*		*91.8*	*80-120*			
Calibration Check (EI61906-CCV1)				Prepared: 09/19/06 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 (EI61906-MS1)	**Source: 6I14005-01**			Prepared: 09/19/06 Analyzed: 09/20/06						
Benzene	0.0597	0.00100	mg/L	0.0500	ND	119	80-120			
Toluene	0.0503	0.00100	"	0.0500	ND	101	80-120			
Ethylbenzene	0.0502	0.00100	"	0.0500	ND	100	80-120			
Xylene (p/m)	0.106	0.00100	"	0.100	ND	106	80-120			
Xylene (o)	0.0511	0.00100	"	0.0500	ND	102	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.8*		*ug/l*	*40.0*		*99.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.6*		*"*	*40.0*		*116*	*80-120*			

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

Project: Justis Junction L-1 Vent
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI61906 - EPA 5030C (GC)										
Matrix Spike Dup (EI61906-MSD1)	**Source: 6114005-01**			Prepared: 09/19/06 Analyzed: 09/20/06						
Benzene	0.0580	0.00100	mg/L	0.0500	ND	116	80-120	2.55	20	
Toluene	0.0510	0.00100	"	0.0500	ND	102	80-120	0.985	20	
Ethylbenzene	0.0506	0.00100	"	0.0500	ND	101	80-120	0.995	20	
Xylene (p/m)	0.106	0.00100	"	0.100	ND	106	80-120	0.00	20	
Xylene (o)	0.0534	0.00100	"	0.0500	ND	107	80-120	4.78	20	
Surrogate: a,a,a-Trifluorotoluene	*40.0*		*ug/l*	*40.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.0*		*"*	*40.0*		*115*	*80-120*			

Rice Operating Co.	Project: Justis Junction L-1 Vent	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 EI61815 - General Preparation (WetChem)										
Blank (EI61815-BLK1)				Prepared: 09/15/06 Analyzed: 09/19/06						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EI61815-BS1)				Prepared: 09/15/06 Analyzed: 09/19/06						
Chloride	9.83	0.500	mg/L	10.0		98.3	80-120			
Sulfate	10.1	0.500	"	10.0		101	80-120			
Calibration Check (EI61815-CCV1)				Prepared: 09/15/06 Analyzed: 09/19/06						
Chloride	9.86		mg/L	10.0		98.6	80-120			
Sulfate	10.2		"	10.0		102	80-120			
Duplicate (EI61815-DUP1)		**Source: 6I13001-01**		Prepared: 09/15/06 Analyzed: 09/19/06						
Chloride	223	5.00	mg/L		221			0.901	20	
Sulfate	80.6	5.00	"		80.7			0.124	20	
Duplicate (EI61815-DUP2)		**Source: 6I14014-02**		Prepared: 09/15/06 Analyzed: 09/19/06						
Chloride	547	12.5	mg/L		546			0.183	20	
Sulfate	306	12.5	"		306			0.00	20	
Matrix Spike (EI61815-MS1)		**Source: 6I13001-01**		Prepared: 09/15/06 Analyzed: 09/19/06						
Chloride	331	5.00	mg/L	100	221	110	80-120			
Sulfate	185	5.00	"	100	80.7	104	80-120			
Matrix Spike (EI61815-MS2)		**Source: 6I14014-02**		Prepared: 09/15/06 Analyzed: 09/19/06						
Chloride	829	12.5	mg/L	250	546	113	80-120			
Sulfate	579	12.5	"	250	306	109	80-120			

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Rice Operating Co.	Project: Justis Junction L-1 Vent	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 EI61818 - Filtration Preparation										
Blank (EI61818-BLK1)				Prepared: 09/15/06 Analyzed: 09/18/06						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EI61818-DUP1)		Source: 6I14012-01		Prepared: 09/15/06 Analyzed: 09/18/06						
Total Dissolved Solids	1250	10.0	mg/L		1260			0.797	5	
Duplicate (EI61818-DUP2)		Source: 6I14014-03		Prepared: 09/15/06 Analyzed: 09/18/06						
Total Dissolved Solids	564	10.0	mg/L		562			0.355	5	
Batch EI62015 - General Preparation (WetChem)										
Blank (EI62015-BLK1)				Prepared & Analyzed: 09/20/06						
Total Alkalinity	ND	2.00	mg/L							
LCS (EI62015-BS1)				Prepared & Analyzed: 09/20/06						
Total Alkalinity	170	2.00	mg/L	200		85.0	85-115			
Duplicate (EI62015-DUP1)		Source: 6I14012-01		Prepared & Analyzed: 09/20/06						
Total Alkalinity	170	2.00	mg/L		164			3.59	20	
Reference (EI62015-SRM1)				Prepared & Analyzed: 09/20/06						
Total Alkalinity	240		mg/L	250		96.0	90-110			

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Rice Operating Co.	Project: Justis Junction L-1 Vent	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 EI61801 - 6010B/No Digestion										
Blank (EI61801-BLK1)				Prepared & Analyzed: 09/18/06						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EI61801-CCV1)				Prepared & Analyzed: 09/18/06						
Calcium	1.89		mg/L	2.00		94.5	85-115			
Magnesium	2.15		"	2.00		108	85-115			
Potassium	1.74		"	2.00		87.0	85-115			
Sodium	1.73		"	2.00		86.5	85-115			
Duplicate (EI61801-DUP1)	**Source: 6I14005-01**			Prepared & Analyzed: 09/18/06						
Calcium	40.2	0.810	mg/L		39.4			2.01	20	
Magnesium	18.0	0.360	"		17.6			2.25	20	
Potassium	8.88	0.600	"		8.96			0.897	20	
Sodium	48.5	0.430	"		49.1			1.23	20	

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Rice Operating Co.	Project: Justis Junction L-1 Vent	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: 9/22/2006

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

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: Justis Junction L-1 Vent
Company Name: RICE Operating Company
Project #:
Company Address: 122 W. Taylor Street
Project Loc: T25S-R37E-Sec1L - Lea County, NM
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

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl (VOA) 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:	RUSH TAT (Pre-Schedule)	Standard TAT
-01	Monitor Well # 1	9/14/2006	13:45	3	X		2			1		X					X		X
-02	Monitor Well # 2	9/14/2006	12:20	3	X		2			1		X					X		X
-03	Monitor Well # 3	9/14/2006	11:25	3	X		2			1		X					X		X

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

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: 2.5

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	9/14/06	16:00			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				9/14/06	16:00

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

ient: Rice Dp.

ate/ Time: 9/14/06 16:00

b ID # : 60144014

tials: CK

Sample Receipt Checklist

				Client Initials
Temperature of container/ cooler?	Yes	No	2.5 °C	
Shipping container in good condition?	Yes	No		
Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
Chain of Custody present?	Yes	No		
Sample instructions complete of Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished/ received?	Yes	No		
Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
Container label(s) legible and intact?	Yes	No	Not Applicable	
0 Sample matrix/ properties agree with Chain of Custody?	Yes	No		
1 Containers supplied by ELOT?	Yes	No		
2 Samples in proper container/ bottle?	Yes	No	See Below	
3 Samples properly preserved?	Yes	No	See Below	
4 Sample bottles intact?	Yes	No		
5 Preservations documented on Chain of Custody?	Yes	No		
6 Containers documented on Chain of Custody?	Yes	No		
7 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
8 All samples received within sufficient hold time?	Yes	No	See Below	
9 VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

ntact: _____ Contacted by: _____ Date/ Time: _____

garding: _____

rrective Action Taken:

_____

_____

_____

eck 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

10/30/06

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: Justis Jct. L-1 Vent

Project Number: None Given

Location: T25S, R37E, Sec.1L- Lea County, NM

Lab Order Number: 6K03008

Report Date: 11/10/06

Rice Operating Co.	Project: Justis Jct. L-1 Vent	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	6K03008-01	Water	10/30/06 13:30	11-03-2006 11:45
Monitor Well #2	6K03008-02	Water	10/30/06 12:35	11-03-2006 11:45
Monitor Well #3	6K03008-03	Water	10/30/06 10:25	11-03-2006 11:45
Monitor Well #4	6K03008-04	Water	10/30/06 11:40	11-03-2006 11:45

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	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 (6K03008-01) Water									
Benzene	ND	0.00100	mg/L	1	EK60807	11/08/06	11/08/06	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		*80.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*80-120*		"	"	"	"	
Monitor Well #2 (6K03008-02) Water									
Benzene	ND	0.00100	mg/L	1	EK60807	11/08/06	11/08/06	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		*92.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.5 %*	*80-120*		"	"	"	"	
Monitor Well #3 (6K03008-03) Water									
Benzene	ND	0.00100	mg/L	1	EK60807	11/08/06	11/08/06	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		*98.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.5 %*	*80-120*		"	"	"	"	
Monitor Well #4 (6K03008-04) Water									
Benzene	ND	0.00100	mg/L	1	EK60807	11/08/06	11/08/06	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		*94.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.2 %*	*80-120*		"	"	"	"	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	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 (6K03008-01) Water									
Total Alkalinity	**240**	2.00	mg/L	1	EK60711	11/07/06	11/07/06	EPA 310.1M	
Chloride	**943**	12.5	"	25	EK60602	11/06/06	11/06/06	EPA 300.0	
Total Dissolved Solids	**2360**	10.0	"	1	EK60209	11/03/06	11/06/06	EPA 160.1	
Sulfate	**339**	12.5	"	25	EK60602	11/06/06	11/06/06	EPA 300.0	
Monitor Well #2 (6K03008-02) Water									
Total Alkalinity	**246**	2.00	mg/L	1	EK60711	11/07/06	11/07/06	EPA 310.1M	
Chloride	**505**	10.0	"	20	EK60602	11/06/06	11/06/06	EPA 300.0	
Total Dissolved Solids	**1560**	10.0	"	1	EK60209	11/03/06	11/06/06	EPA 160.1	
Sulfate	**275**	10.0	"	20	EK60602	11/06/06	11/06/06	EPA 300.0	
Monitor Well #3 (6K03008-03) Water									
Total Alkalinity	**194**	2.00	mg/L	1	EK60711	11/07/06	11/07/06	EPA 310.1M	
Chloride	**114**	5.00	"	10	EK60602	11/06/06	11/06/06	EPA 300.0	
Total Dissolved Solids	**518**	10.0	"	1	EK60209	11/03/06	11/06/06	EPA 160.1	
Sulfate	**111**	5.00	"	10	EK60602	11/06/06	11/06/06	EPA 300.0	
Monitor Well #4 (6K03008-04) Water									
Total Alkalinity	**260**	2.00	mg/L	1	EK60711	11/07/06	11/07/06	EPA 310.1M	
Chloride	**44.2**	5.00	"	10	EK60602	11/06/06	11/06/06	EPA 300.0	
Total Dissolved Solids	**492**	10.0	"	1	EK60209	11/03/06	11/06/06	EPA 160.1	
Sulfate	**115**	5.00	"	10	EK60602	11/06/06	11/06/06	EPA 300.0	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	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 (6K03008-01) Water									
Calcium	**354**	4.05	mg/L	50	EK60712	11/07/06	11/07/06	EPA 6010B	
Magnesium	**127**	1.80	"	"	"	"	"	"	
Potassium	**9.05**	0.600	"	10	"	"	"	"	
Sodium	**323**	2.15	"	50	"	"	"	"	
Monitor Well #2 (6K03008-02) Water									
Calcium	**173**	4.05	mg/L	50	EK60712	11/07/06	11/07/06	EPA 6010B	
Magnesium	**60.4**	1.80	"	"	"	"	"	"	
Potassium	**7.65**	0.600	"	10	"	"	"	"	
Sodium	**304**	2.15	"	50	"	"	"	"	
Monitor Well #3 (6K03008-03) Water									
Calcium	**74.5**	0.810	mg/L	10	EK60712	11/07/06	11/07/06	EPA 6010B	
Magnesium	**24.2**	0.360	"	"	"	"	"	"	
Potassium	**3.91**	0.600	"	"	"	"	"	"	
Sodium	**61.4**	0.430	"	"	"	"	"	"	
Monitor Well #4 (6K03008-04) Water									
Calcium	**70.0**	0.810	mg/L	10	EK60712	11/07/06	11/07/06	EPA 6010B	
Magnesium	**22.7**	0.360	"	"	"	"	"	"	
Potassium	**3.76**	0.600	"	"	"	"	"	"	
Sodium	**57.7**	0.430	"	"	"	"	"	"	

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	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 EK60807 - EPA 5030C (GC)										
Blank (EK60807-BLK1)				Prepared & Analyzed: 11/08/06						
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	*39.7*		*ug/l*	*40.0*		*99.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.0*		*"*	*40.0*		*90.0*	*80-120*			
LCS (EK60807-BS1)				Prepared & Analyzed: 11/08/06						
Benzene	0.0505	0.00100	mg/L	0.0500		101	80-120			
Toluene	0.0455	0.00100	"	0.0500		91.0	80-120			
Ethylbenzene	0.0450	0.00100	"	0.0500		90.0	80-120			
Xylene (p/m)	0.0963	0.00100	"	0.100		96.3	80-120			
Xylene (o)	0.0469	0.00100	"	0.0500		93.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.7*		*ug/l*	*40.0*		*91.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.3*		*"*	*40.0*		*106*	*80-120*			
Calibration Check (EK60807-CCV1)				Prepared: 11/08/06 Analyzed: 11/09/06						
Benzene	53.7		ug/l	50.0		107	80-120			
Toluene	46.9		"	50.0		93.8	80-120			
Ethylbenzene	48.0		"	50.0		96.0	80-120			
Xylene (p/m)	93.1		"	100		93.1	80-120			
Xylene (o)	45.8		"	50.0		91.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.4*		*"*	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.5*		*"*	*40.0*		*88.8*	*80-120*			
Matrix Spike (EK60807-MS1)	**Source: 6K03002-01**			Prepared: 11/08/06 Analyzed: 11/09/06						
Benzene	0.0549	0.00100	mg/L	0.0500	ND	110	80-120			
Toluene	0.0474	0.00100	"	0.0500	ND	94.8	80-120			
Ethylbenzene	0.0462	0.00100	"	0.0500	ND	92.4	80-120			
Xylene (p/m)	0.0939	0.00100	"	0.100	ND	93.9	80-120			
Xylene (o)	0.0451	0.00100	"	0.0500	ND	90.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.5*		*ug/l*	*40.0*		*98.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.4*		*"*	*40.0*		*93.5*	*80-120*			

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Rice Operating Co.	Project: Justis Jct. L-1 Vent	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 EK60807 - EPA 5030C (GC)										
Matrix Spike Dup (EK60807-MSD1)	**Source: 6K03002-01**			Prepared: 11/08/06 Analyzed: 11/09/06						
Benzene	0.0554	0.00100	mg/L	0.0500	ND	111	80-120	0.905	20	
Toluene	0.0504	0.00100	"	0.0500	ND	101	80-120	6.33	20	
Ethylbenzene	0.0472	0.00100	"	0.0500	ND	94.4	80-120	2.14	20	
Xylene (p/m)	0.105	0.00100	"	0.100	ND	105	80-120	11.2	20	
Xylene (o)	0.0521	0.00100	"	0.0500	ND	104	80-120	14.2	20	
Surrogate: a,a,a-Trifluorotoluene	*39.4*		*ug/l*	*40.0*		*98.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.5*		*"*	*40.0*		*106*	*80-120*			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 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						
Chloride	10.2	0.500	mg/L	10.0		102	80-120			
Sulfate	9.30	0.500	"	10.0		93.0	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						
Sulfate	116	5.00	mg/L		115			0.866	20	
Chloride	44.5	5.00	"		44.2			0.676	20	

Rice Operating Co.	Project: Justis Jct. L-1 Vent	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						
Sulfate	214	5.00	mg/L	100	115	99.0	80-120			
Chloride	150	5.00	"	100	44.2	106	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: Justis Jct. L-1 Vent	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: Justis Jct. L-1 Vent	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: 11/10/2006

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: Justis Junction L-1 Vent

Project #:

Project Loc: T25S R37E Sec1L ~ Lea County New Mexico

PO #:

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

(lab use only)
ORDER #: 10K0300X

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/Sed	NP=Non-Potable Specify Other	Analyze For: TDLP: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	TOTAL: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Total Dissolved Solids			RUSH TAT [Pre-Schedule] 24, 48, 72 hrs	Standard TAT
01	Monitor Well #1			10/30/2006	13:30		3	X		2				1		GW					X	X					X			X				X
02	Monitor Well #2			10/30/2006	12:35		3	X		2				1		GW					X	X					X			X				X
03	Monitor Well #3			10/30/2006	10:25		3	X		2				1		GW					X	X					X			X				X
04	Monitor Well #4			10/30/2006	11:40		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			
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	Y	N
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 # : 6K0300F

Initials: DK

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