AP. US

ANNUAL MONITORING REPORT

YEAR(S): 2007



Highlander Environmental Corp.

Midland, Texas

Midland, Texas

CERTIFIED MAIL RETURN RECEIPT NO. 7002 3150 0005 0508 7690

March 7, 2008

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

2007 Annual Groundwater Summary Report & Project Status Report, Rice Re: 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 2007 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. However, since the March 2006 sampling, monitor well MW-1 has had a significant increase in chlorides (up to 2,250 mg/L) and TDS (up to 7,305) while MW-2 has remained relatively stable.

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.

A meeting was held with the NMOCD on February 21, 2007, to determine if chloride concentrations in monitor well MW-1 is from an offsite source. At that meeting, Wayne Price requested that an additional monitor well be installed. On April 17, 2007, monitor well MW-5 was installed between MW-1 and a reserve pit located upgradient. The well was constructed according to EPA and industry standards.

Stage1/Stage2 Abatement Plan

On December 12, 2006, a Stage 1/Stage 2 Abatement Plan was submitted to the NMOCD. Based upon the results of the Stage I Abatement Plan implementation, it appeared that the water quality at the original junction box site is improving over time. The Stage 1/Stage 2 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 sampled 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 wells were 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 and Cardinal Lab of Hobbs, New Mexico. 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 monitor well, MW-1, has shown an increase of chlorides (and TDS) ranging from 519 mg/L in the first quarter to 2,250 mg/L in the last quarter of 2007. Monitor well MW-5 located upgradient of MW-1 has chloride concentrations that ranged from 1,619 mg/L to 1,940 mg/L for the year. The chloride and TDS concentrations in monitor wells MW-3, and MW-4 were below WQCC standards and remained relatively stable throughout the year. The chloride concentration in MW-2 steadily declined from 584 mg/L in March to 396 mg/L in November. All monitor wells were sampled on a quarterly basis. The most recent sampling was performed on all five monitor wells on November 14, 2007. During this sampling event, traces of toluene, ethylbenzene, and xylenes were found in upgradient monitor well MW-3. However, the levels were below the NMOCD guidelines. No BTEX was found in any of the remaining monitor wells for the year. Cumulative analytical data is summarized in the Table Section of this report.

Conclusions

- 1. In 2007, there were no BTEX constituents at or above the New Mexico Water Quality Control Commission (WQCC) standards. However, detectable amounts of toluene, ethylbenzene, and xylenes were found in upgradient monitor well MW-3 in the 4th quarter monitoring event.
- 2. Chloride and total dissolved solid (TDS) concentrations have increased throughout the year in monitor well MW-1, but remained below WQCC standards and were relatively stable in MW-3 and MW-4. The chloride concentration in MW-2 steadily declined from 584 mg/L in March to 396 mg/L in November.
- 3. Monitor well MW-5 was installed upgradient of MW-1 in April 2007 to determine if chloride concentrations in MW-1 could be coming from an offsite reserve pit located upgradient. Chloride levels in monitor well MW-5 were elevated indicating the reserve pit as a possible offsite source.
- 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 2009.
- 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.

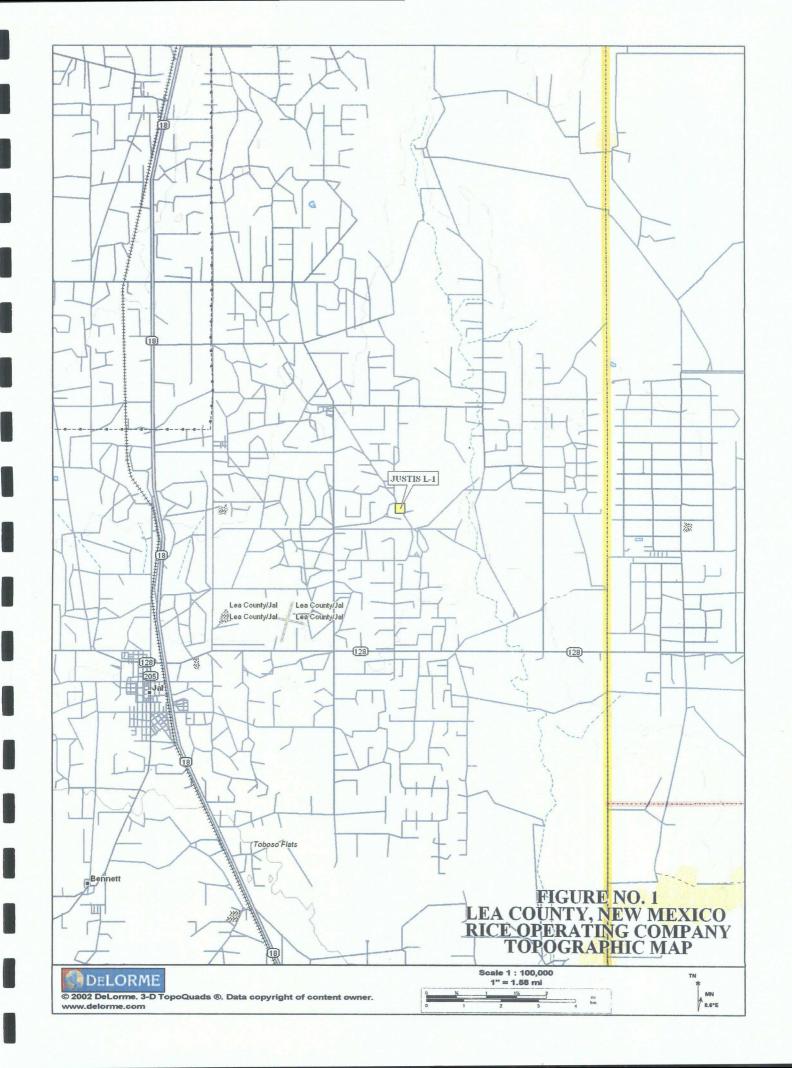
Jeffrey Kindley, P.G.

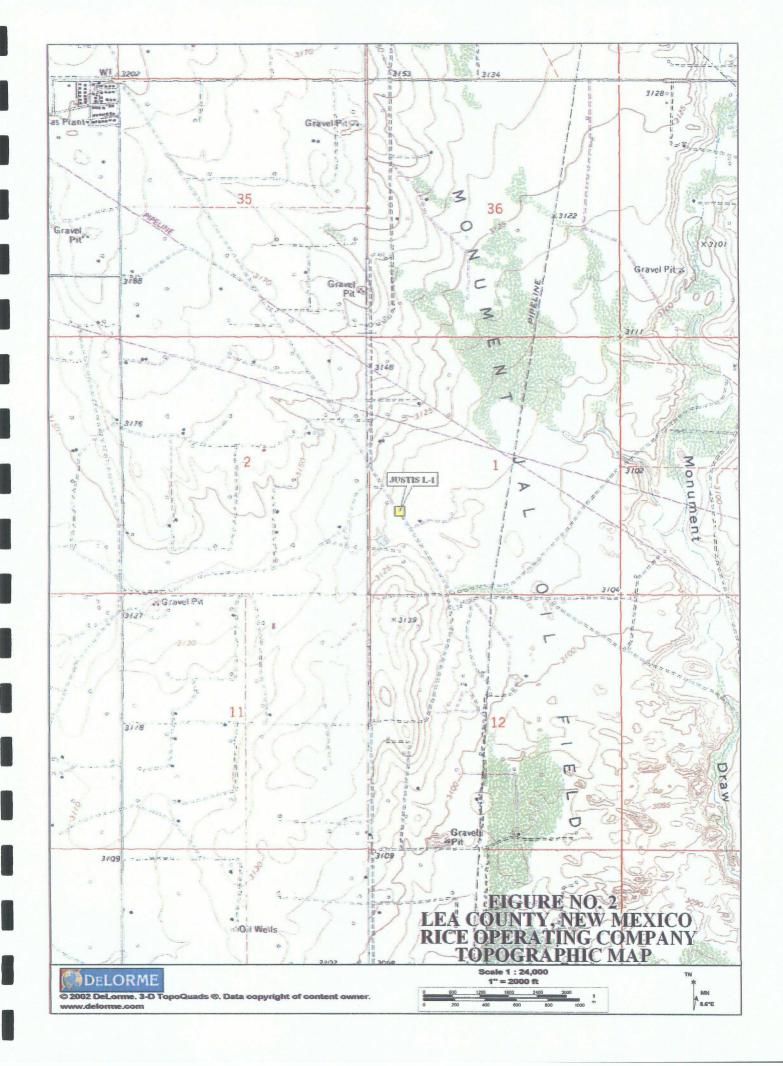
Senior Environmental Geologist

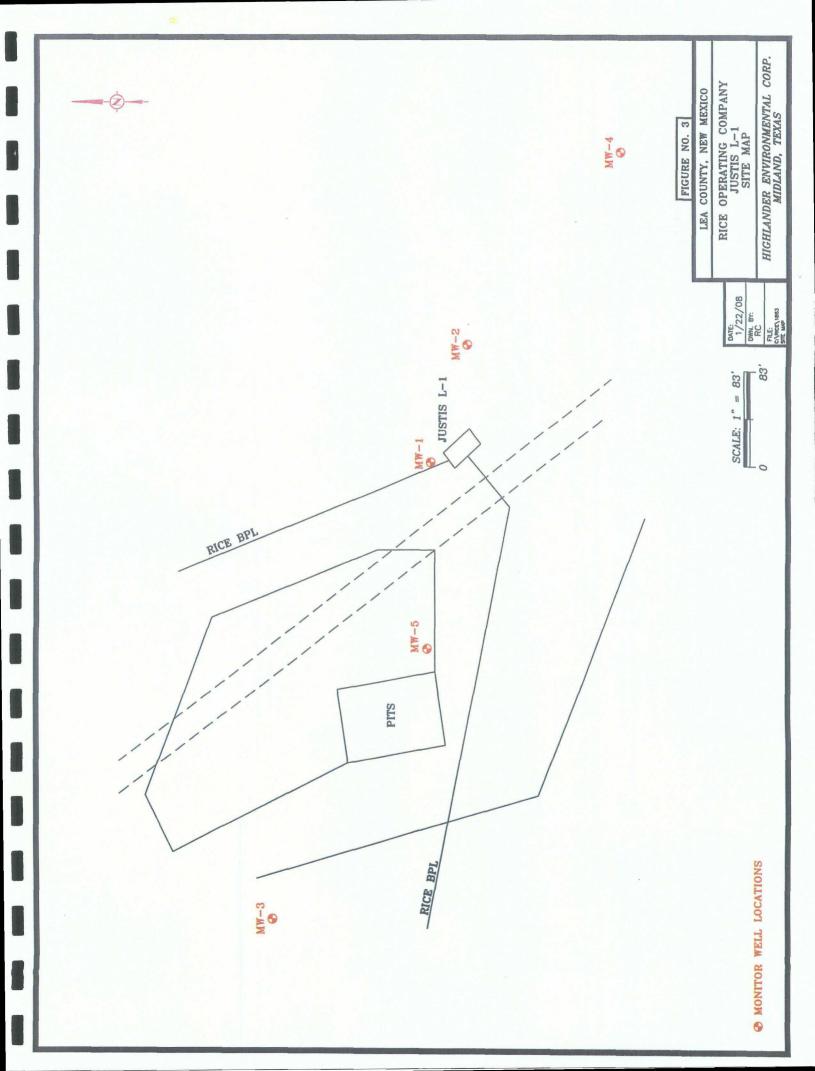
cc: ROC, Edward Hansen – NMOCD Enclosures: Figures, Tables, Laboratory Analysis

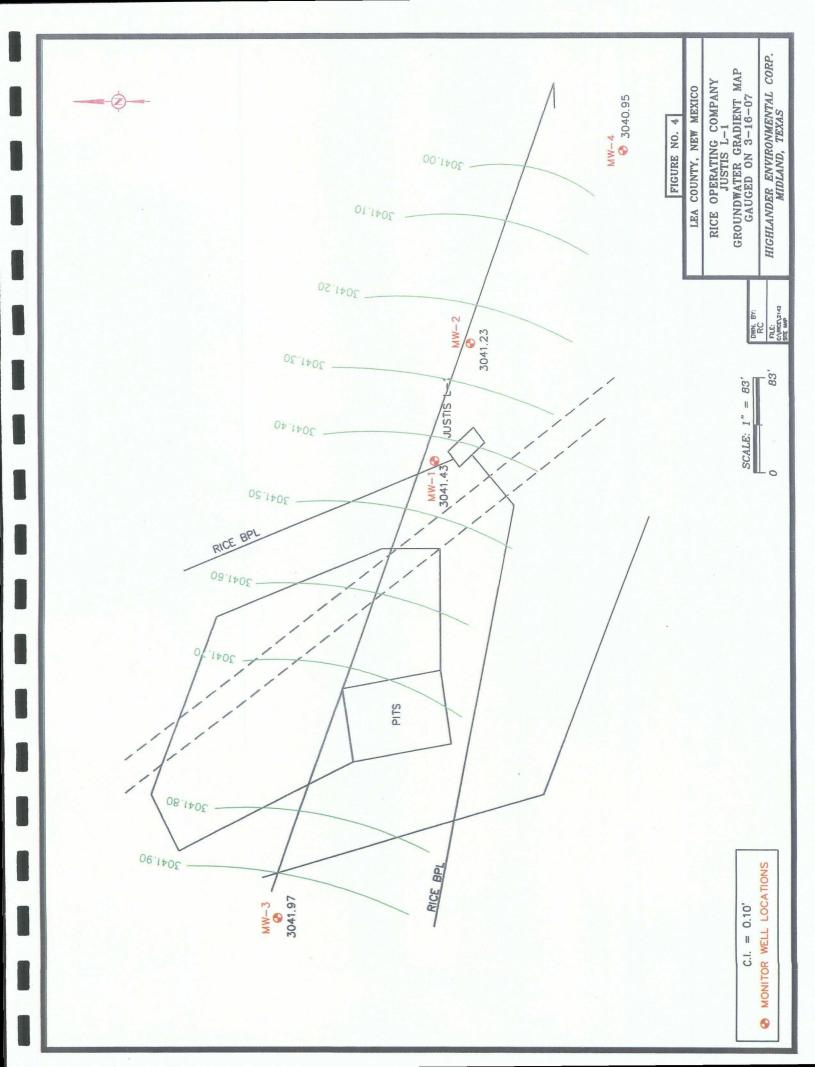


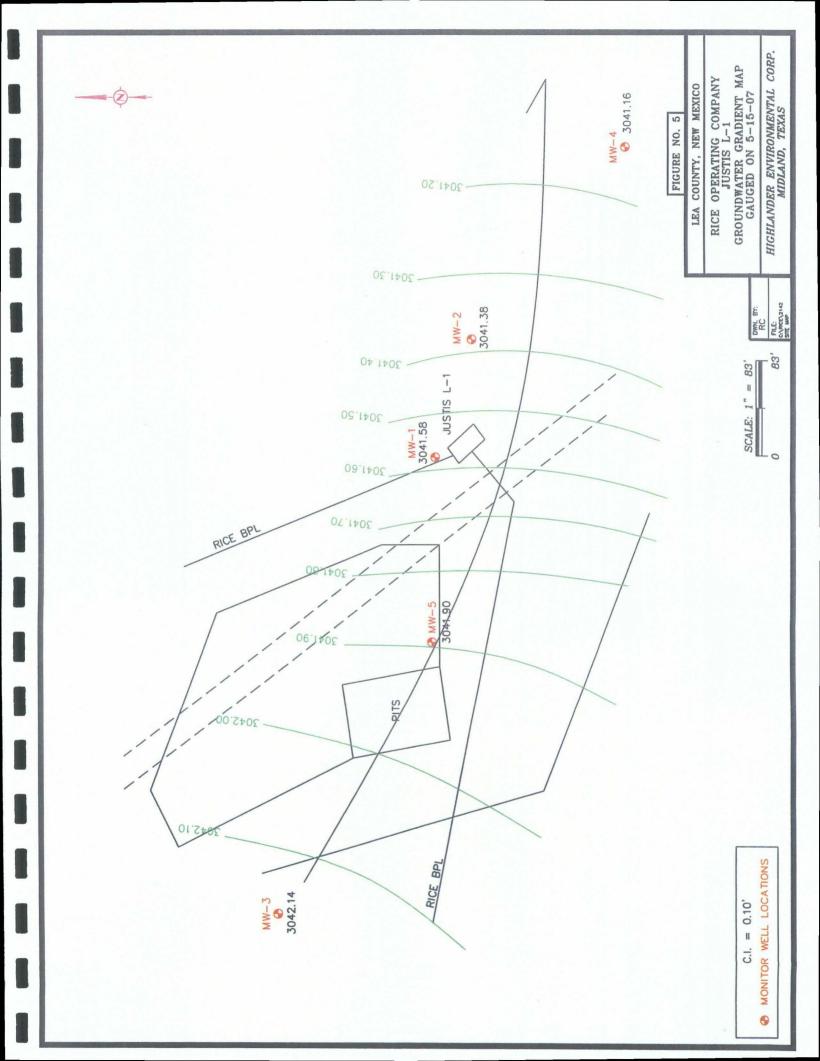
FIGURES

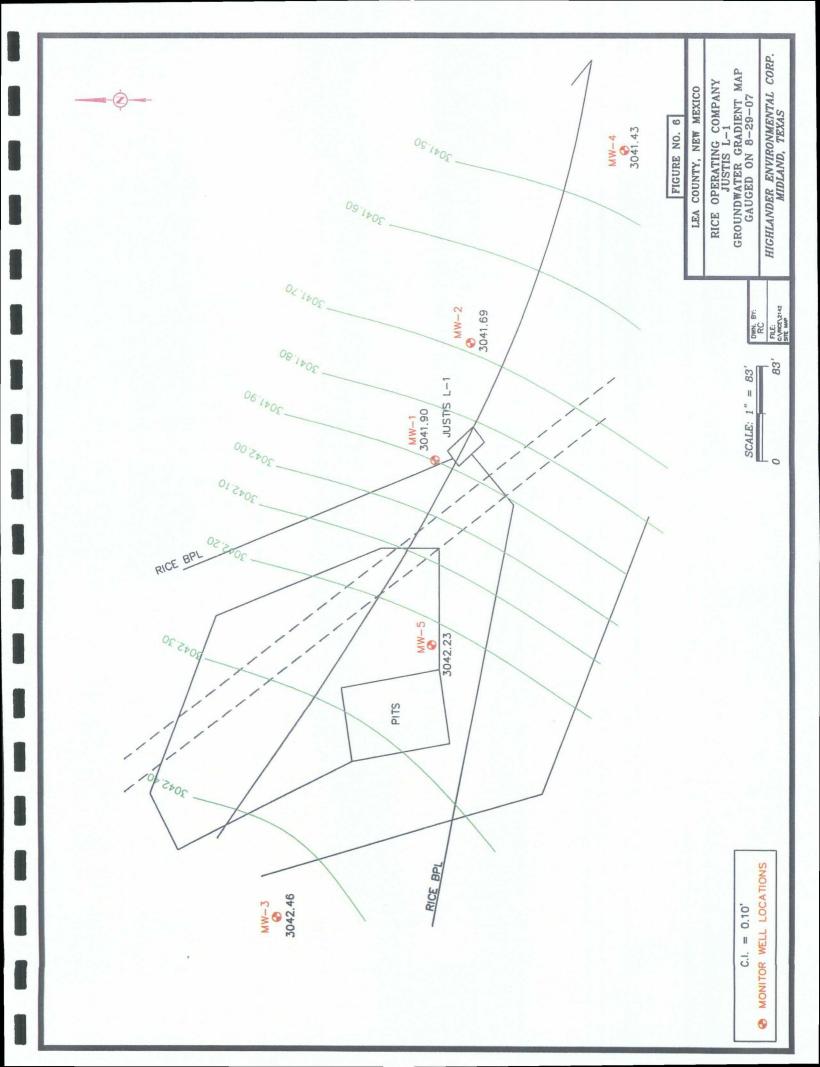


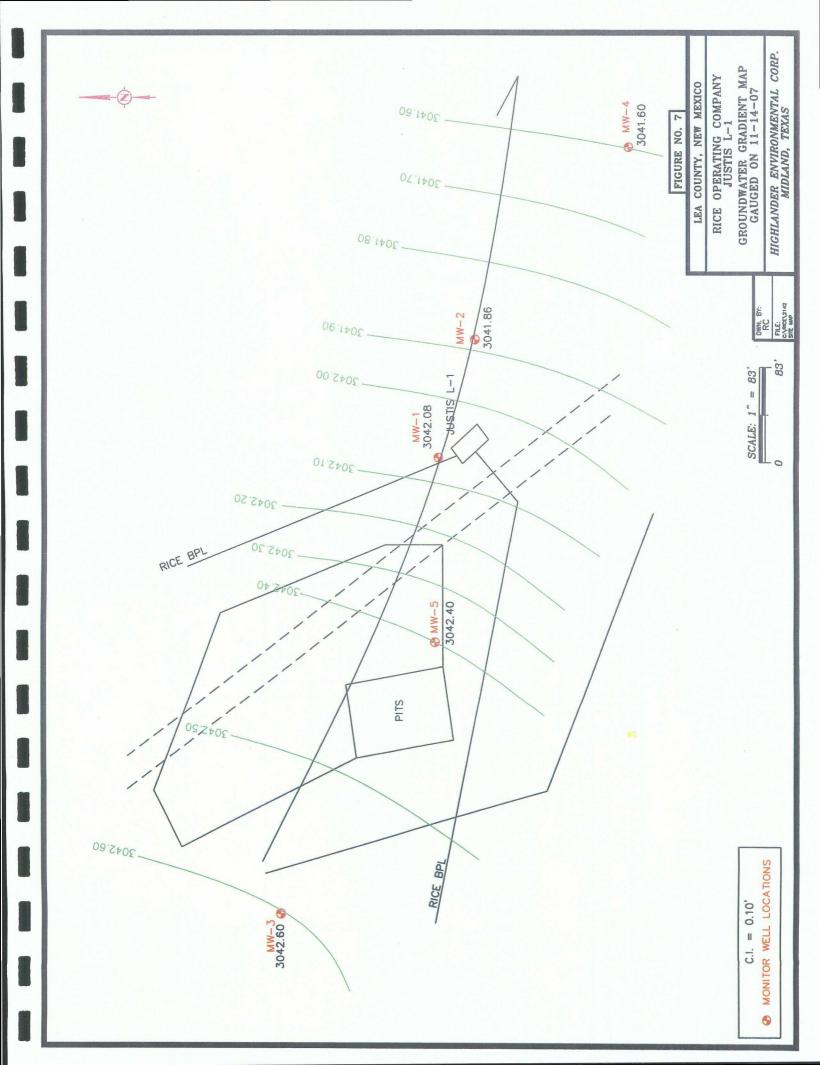






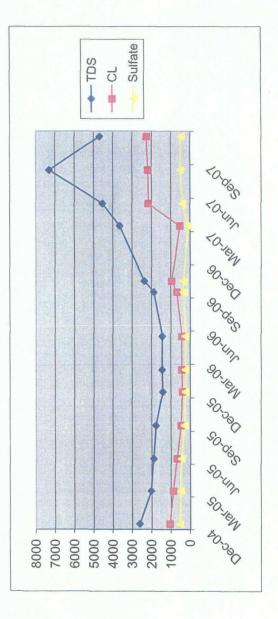




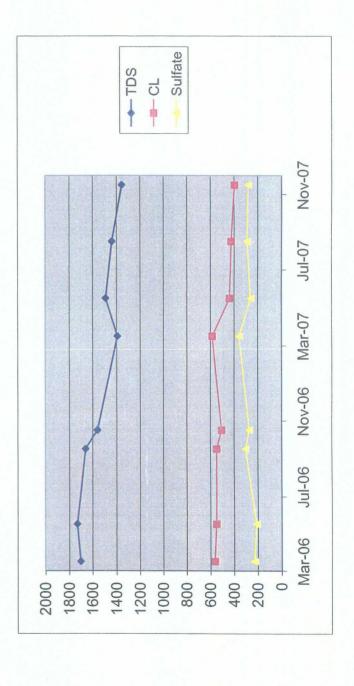


TABLES

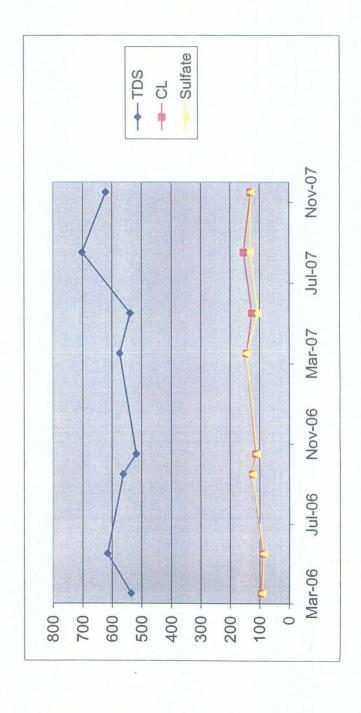
			ite Comments			01	~		16	6			Clear no odor	2 Clear no odor	Clear no odor	Clear no odor	Clear no odor
			Sulfa		550	502	468	307	245	236	246	339	339	112	397	200	477
			Total Xylenes Sulfate		<0.001	<0.001	<0.001	<0.001	0.000666	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
			Toluene Ethyl Benzene		0.00209	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
			Toluene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
Rice Engineering Operating	<u>-</u>	Lea County, New Mexico	TDS Benzene		0.0158	0.000904	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
eering	Justice L-1	ity, Ne	TDS		2620	2020	1900	1770	1410	1440	1430	1870	2360	3630	4530	7305	2250 4679
Engin	ol .	a Cour	Ö		1060	873	684	464	390	413	420	672	943	519	2160	2179	2250
Rice		P	Sample	Date	12/21/04	03/29/05	06/16/05	09/15/05	12/05/05	02/27/06	05/24/06	09/14/06	10/30/06	03/16/07	05/15/07	08/29/07	11/14/07
			Volume	Purged	20	20	20	2.5	8	80	10	10	10	10	10	10	10
			Well	Volume	XXX	XXX	XXX	XXX	2.30	2.30	2.30	2.40	2.40	2.40	2.40	2.50	2.50
			Total	Depth	92.00	92.00	92.00	92.00	92.00	92.00	92.00	92.00	92.00	91.85	91.85	91.85	91.85
			Depth to	Water	78.43	78.19	78.11	77.95	77.80	77.56	77.51	77.25	77.12	76.95	76.80	76.48	76.3
			MM		-	-	-	7	-	-	-	_	-	~	-	-	-



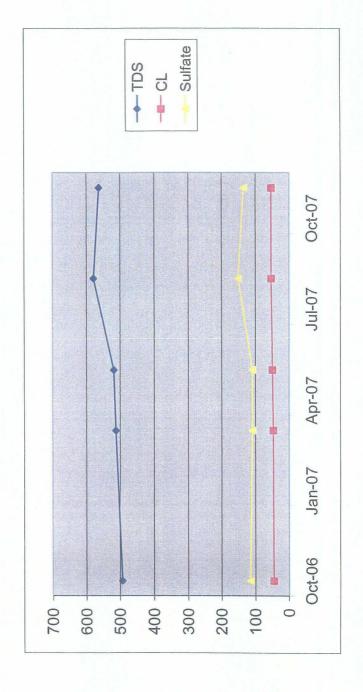
		Comments					Clear no odor				
		Sulfate		233	215	306	275	362	262	295	283
		Total Xylenes		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.006
		Toluene Ethyl Benzene Total Xylenes Sulfate		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
		Toluene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
Rice Engineering Operating Justice L-1	Lea County, New Mexico	CI TDS Benzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
gineering O Justice L-1	ty, Nev	TDS E		1700	1730	1660	1560	1392	1490	1438	396 1353
Engin	Coun	ō		564	549	546	505	584	437	424	396
Rice	Lea	Sample	Date	03/28/06	05/24/06	09/14/06	10/30/06	03/16/07	05/15/07	08/29/07	11/14/07
		Volume	Purged	12	15	10	10	10	10	10	10
		Well	Volume	2.50	2.50	2.50	2.60	2.60	2.60	2.60	2.70
		Total	Depth	93.05	93.05	93.05	93.05	92.88	92.88	92.88	92.88
		Depth to	Water	77.72	77.48	77.23	77.11	76.93	76.78	76.47	76.30
		MM		2	2	2	2	2	2	2	2



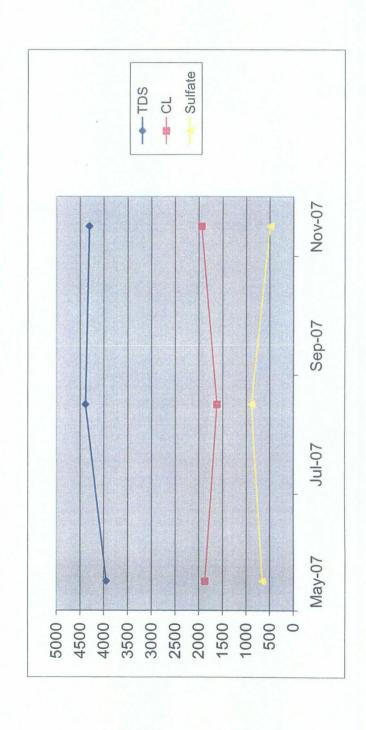
		e Comments					Clear no odor				
		Sulfat		93.4	88.3	125	111	146	108	134	131
		Total Xylenes		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	0.007
		Toluene Ethyl Benzene Total Xylenes Sulfate Comments		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	0.003
		Toluene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	0.002
Rice Engineering Operating Justice L-1	Lea County, New Mexico	CI TDS Benzene		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
gineering O Justice L-1	ty, Ne	TDS		536	616	562	518	574	538	702	621
Engin	Coun	ū		96.3	91.4	125	114	146	128	156	132
Rice	Lea	Sample	Date	03/28/06	05/24/06	09/14/06	10/30/06	03/16/07	05/15/07	08/29/07	11/14/07
	_	Volume	Purged	12	10	10	10	10	10	10	10
		Well	Volume	2.40	2.40	2.40	2.50	2.50	2.50	2.50	2.60
		Total	Depth	93.00	93.00	93.00	93.00	92.84	92.84	92.84	92.84
		Depth to	Water	78.21	77.99	77.99	77.61	77.47	77.30	76.98	76.84
		MW		က	m	က	8	c	က	3	8



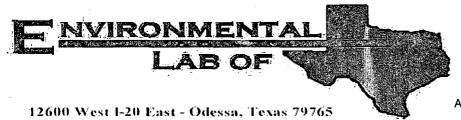
			Comments		115 Clear no odor	Clear no odor	Clear no odor	Clear no odor	Clear no odor
			Sulfate		115	109	109	151	135
			Total Xylenes		<0.001	<0.001	<0.001	<0.002	<0.002
			Toluene Ethyl Benzene Total Xylenes Sulfate Comments		<0.001	<0.001	<0.001	<0.002	<0.002
			Toluene		<0.001	<0.001	<0.001	<0.002	<0.002
Rice Engineering Operating	_	Lea County, New Mexico	CI TDS Benzene		<0.001	<0.001	<0.001	<0.002	<0.002
eering	Justice L-1	ty, Nev	TDS E		492	512	518	578	562
Engine	Jus	Coun	Ö		44.2	45.8	48.0	52.0	52
Rice		Lea	Sample	Date	10/30/06 44.2	03/16/07	05/15/07	08/29/07	11/14/07
			Volume	Purged	10	10	00	00	80
			Well	Volume	2.00	2.00	2.00	2.00	2.10
			Total	Depth	91.24	90.62	90.62	90.62	90.62
			Depth to	Water	78.44	78.32	78.11	77.84	77.67
			MW		4	4	4	4	4



			Comments		655 Clear no odor	894 Clear no odor	490 Clear no odor
			Sulfate		655	894	490
			Total Xylenes		<0.001	<0.002	<0.002
			Cl TDS Benzene Toluene Ethyl Benzene Total Xylenes Sulfate Comments		<0.001	<0.002	<0.002
			Toluene		<0.001	<0.002	<0.002
Rice Engineering Operating	-1	Lea County, New Mexico	Benzene		<0.001 <0.001	<0.002	11/14/07 1940 4306 <0.002 <0.002
eering	Justice L-1	ity, Nev	TDS		3950	4386	4306
Engin	Ju	a Coun	ਹ		1870	1619	1940
Rice		Leg	Sample	Date	05/15/07 1870 3950	08/29/07 1619 4386	11/14/07
			Volume	Purged	8	8	8
			Well	Volume	1.80	1.90	1.90
			Total	Depth	87.20	87.20	87.20
			Depth to	Water	75.94	75.61	75.44
			MM		2	2	2



APPENDIX A



A Xenco Laboratories Company

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 Sec1L Lea County, NM

Lab Order Number: 7C20016

Report Date: 04/05/07

Rice Operating Co.
Project: Justis Jct. L-1 Vent
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	7C20016-01	Water	03/16/07 12:40	03-20-2007 13:45
Monitor Well #2	7C20016-02	Water	03/16/07 11:30	03-20-2007 13:45
Monitor Well #3	7C20016-03	Water	03/16/07 09;35	. 03-20-2007 13:45
Monitor Well #4	7C20016-04	Water	03/16/07 10:40	03-20-2007 13:45

Fax: (505) 397-1471

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 Project: Justis Jct. L-1 Vent

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Brangrad	Analyzad	Method	Note
Monitor Well #1 (7C20016-01) Water		Dillik		Dilution	Baten	Prepared	Analyzed	Method	Note
	ND	0.00100	/1		EC72014	02/20/07	02/20/07	EDA 9021D	
Benzene	ND	0.00100	mg/L	1	EC72814	03/28/07	03/28/07	EPA 8021B	
Toluene	ND	0.00100	,,	11	,,	r.		,	
Ethylbenzene Vydena (n/m)	ND	0.00100	,,	,,	n	"	"	"	
Xylene (p/m)	ND	0.00100	,,				"	11	
Xylene (o)	ND.						"		
Surrogate: a,a,a-Trifluorotoluene		103 %	80-1		n	"		"	
Surrogate: 4-Bromofluorobenzene		86.0 %	80-1	20	"	n	"	"	
Monitor Well #2 (7C20016-02) Water									
Benzene	ND	0.00100	mg/L	1	EC72814	03/28/07	03/28/07	EPA 8021B	-
Toluene	ND	0.00100	"	n	n	n	n	n	
Ethylbenzene	ND	0.00100	17	"	**	"	n		
Xylene (p/m)	ND	0.00100	"	п	11	II .	. "	н	
Xylene (o)	ND	0.00100	"	"	u u	**	"		
Surrogate: a,a,a-Trifluorotoluene		101 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.8 %	80-1	20	"	"	"	n	
Monitor Well #3 (7C20016-03) Water									
Benzene	ND	0.00100	mg/L	1	EC72814	03/28/07	03/28/07	EPA 8021B	
Toluene	ND	0.00100	n	n	н	ń	"	**	
Ethylbenzene	ND	0.00100	"	"	11	17	п	н	
Xylene (p/m)	ND	0.00100	11	n	**	н	11	"	
Xylene (o)	ND	0.00100	"	"	н	"	н	"	
Surrogate: a,a,a-Trifluorotoluene		96.8 %	80-1	20	"	п	"	"	
Surrogate: 4-Bromofluorobenzene		85.2 %	80-1	20	"	"	"	ii	
Monitor Well #4 (7C20016-04) Water									
Benzene	ND	0.00100	ıng/L	1	EC72814	03/28/07	03/28/07	EPA 8021B	
Toluene	ND	0.00100	11	**	"	n	н	. "	
Ethylbenzene	ND	0.00100	"	n	"	u	"	и	
Xylene (p/m)	ND	0.00100	**	•	"	н	n	n	
Xylene (o)	ND	0.00100	n	11	#	Ħ	. "	tr	
Surrogate: a,a,a-Trifluorotoluene		97.4 %	80-1	20	"	п	"	"	
Surrogate: 4-Bromofluorobenzene		84.4 %	80-1	120	"	"	"	n	

Environmental Lab of Texas

A Xenco Laboratories Company

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

122 W. Taylor Hobbs NM, 88240 Project: Justis Jct. L-1 Vent

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (7C20016-01) Water									
Total Alkalinity	300	2.00	mg/L	1	EC72808	03/28/07	03/28/07	EPA 310.1M	
Chloride	519	25.0	n *	50	EC72304	03/22/07	03/23/07	EPA 300.0	
Total Dissolved Solids	3630	10.0	"	1	EC72210	03/21/07	03/22/07	EPA 160,1	
Sulfate	112	25.0	"	50	EC72304	03/22/07	03/23/07	EPA 300.0	
Monitor Well #2 (7C20016-02) Water									
Total Alkalinity	240	2.00	mg/L	1	EC72808	03/28/07	03/28/07	EPA 310.1M	
Chloride	584	12.5	**	25.	EC72304	03/22/07	03/23/07	EPA 300.0	*
Total Dissolved Solids	1390	10.0	rt .	1	EC72210	03/21/07	03/22/07	EPA 160.1	
Sulfate	362	12.5	**	25	EC72304	03/22/07	03/23/07	EPA 300.0	
Monitor Well #3 (7C20016-03) Water									
Total Alkalinity	172	2.00	mg/L	1	EC72808	03/28/07	03/28/07	EPA 310.1M	
Chloride	146	5.00	Ħ	10	EC72304	03/22/07	03/23/07	EPA 300.0	
Total Dissolved Solids	574	10.0	**	1	EC72210	03/21/07	03/22/07	EPA 160.1	
Sulfate	146	5.00	"	10	EC72304	03/22/07	03/23/07	EPA 300.0	
Monitor Well #4 (7C20016-04) Water									
Total Alkalinity	268	2.00	mg/L	1	EC72808	03/28/07	03/28/07	EPA 310.1M	
Chloride	45.8	5.00	11	10	EC72304	03/22/07	03/23/07	EPA 300.0	
Total Dissolved Solids	512	10.0	n	1	EC72210	03/21/07	03/22/07	EPA 160.1	
Sulfate	109	5.00	"	10	EC72304	03/22/07	03/23/07	EPA 300.0	

Project: Justis Jct. L-1 Vent

122 W. Taylor

Project Number: None Given

Fax: (505) 397-1471

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 (7C20016-01) Water				Ditution	Batch	riepared	Attaiyzed	Method	Notes
Calcium	652	8.10	mg/L	100	EC73011	03/30/07	03/30/07	EPA 6010B	
Magnesium	241	1.80	P	50	"	"	**	11	٠
Potassium	11.4	0.600	IT	10	**	"	**	0	
Sodium	336	4.30	**	100	"	"	n	rt .	
Monitor Well #2 (7C20016-02) Water									
Calcium	162	4.05	mg/L	50	EC73011	03/30/07	03/30/07	EPA 6010B	
Magnesium	48.1	0.360	"	10	u	"	"	tr	
Potassium	6.65	0.600	**	**	u	**	II.	"	
Sodium	253	2.15	H	50	"	и	**	н	
Monitor Well #3 (7C20016-03) Water									
Calcium	85.0	4.05	mg/L	50	EC73011	03/30/07	03/30/07	EPA 6010B	
Magnesium	27.8	0.360	"	10		u	u	n	
Potassium	2.92	0.600	п	**		n	10	"	
Sodium	50.2	0.430	"	"	п	11	"	п	
Monitor Well #4 (7C20016-04) Water									
Calcium	86.5	4.05	mg/L	50	EC73011	03/30/07	03/30/07	EPA 6010B	
Magnesium	26.7	0.360	"	10	h	11		11	
Potassium	2.58	0.600	н	11	n.	"	п	и	
Sodium	46.3	0.430	11	"	n	н	•	**	

Project: Justis Jct. L-1 Vent

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Number: None Given
Project Manager: Kristin Farris-Pope

Organics by GC - Quality Control Environmental Lab of Texas

		Reporting	11. 1	Spike	Source	0/550	%REC	DE-	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EC72814 - EPA 5030C (GC)										
Blank (EC72814-BLK1)				Prepared &	. Analyzed:	03/28/07				
Benzene .	ND	0.00100	mg/L							
Toluene	ND	0.00100	**							
Ethylbenzene	ND	0.00100	. 11							
Xylene (p/m)	ND	0.00100	**							
Xylene (o)	ND	0.00100	n							
Surrogate: a,a,a-Trifluorotoluene	47.4		ug/l	50.0		94.8	80-120			
Surrogate: 4-Bromofluorobenzene	42.2		"	50.0		84.4	80-120			
LCS (EC72814-BS1)				Prepared &	k Analyzed	03/28/07				
Benzene	0.0513	0.00100	mg/L	0.0500		103	80-120			
Toluene	0.0493	0.00100	"	0.0500		98.6	80-120			
Ethylbenzene	0.0500	0.00100	"	0.0500		100	80-120			
Xylene (p/m)	0.0943	0.00100	**	0.100		94.3	80-120			
Xylene (o)	0.0511	0.00100	"	0.0500		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	49.9		ug:1	50.0		99.8	80-120			
Surrogate: 4-Bromofluorobenzene	44.7		**	50.0		89.4	80-120			
Calibration Check (EC72814-CCV1)	•			Prepared:	03/28/07 A	nalyzed: 03	3/29/07			
Benzene	50.9		ug/l	50.0		102	80-120			
Toluene	49.5		**	50.0		99.0	80-120			
Ethylbenzene	50.4		n	50.0		101	80-120			
Xylene (p/m)	93.8		11	100		93.8	80-120			
Xylene (o)	52.6		"	50.0		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	51.0		"	50.0		102	80-120			
Surrogate: 4-Bromofluorohenzene	47.9		"	50.0		95.8	80-120			
Matrix Spike (EC72814-MS1)	Sou	ırce: 7C20014-	02	Prepared:	03/28/07 A	nalyzed: 03	3/29/07			
Benzene	0.0523	0.00100	mg/L	0.0500	ND	105	80-120			
Toluene	0.0500	0.00100	**	0.0500	ND	100	80-120			
Ethylbenzene	0.0524	0.00100	"	0.0500	ND	105	80-120			
Xylene (p/m)	0.0955	0.00100	н	0.100	ND	95.5	80-120			
Xylene (o)	0.0533	0.00100	*	0.0500	ND	107	80-120			
Surrogate: a,a,a-Trifluorotoluene	52.9		ug/I	50.0		106	80-120	-		
Surrogate: 4-Bromofluorobenzene	46.7		rr .	50.0		93.4	80-120			

Project: Justis Jct. L-1 Vent

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given

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 EC72814 - EPA 5030C (GC)										
Matrix Spike Dup (EC72814-MSD1)	Sou	rce: 7C20014-	-02	Prepared: 0	3/28/07 A	nalyzed: 03	/29/07			
Benzene	0.0527	0.00100	mg/L	0.0500	ND	105	80-120	0.00	20	
Toluene	0.0502	0.00100	"	0.0500	ND	100	80-120	0.00	20	
Ethylbenzene	0.0515	0.00100	10	0.0500	ND	103	80-120	1.92	20	
Xylene (p/m)	0.0950	0.00100	н	0.100	ND	95.0	80-120	0.525	20	
Xylene (o)	0.0528	0.00100	11	0.0500	ND	106	80-120	0.939	20	
Surrogate: a,a,a-Trifluorotoluene	52,5		ug/l	50.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	44.6		"	50.0		89.2	80-120			

Project: Justis Jct. L-1 Vent

122 W. Taylor

Project Number: None Given

/en

Fax: (505) 397-1471

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EC72210 - General Preparation (WetChem)		_							
Blank (EC72210-BLK1)				Prepared: (03/21/07 A	Analyzed: 03	3/22/07			
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EC72210-DUP1)	Sou	rce: 7C21003-	-01	Prepared:	03/21/07 A	Analyzed: 03	3/22/07			
Total Dissolved Solids	442	10.0	mg/L		462			4.42	20	
Duplicate (EC72210-DUP2)	Sou	rce: 7C20016-	-03	Prepared:	03/21/07 A	Analyzed: 03	3/22/07			
Total Dissolved Solids	566	10.0	mg/L		574			1,40	20	
Batch EC72304 - General Preparation (WetChem)									
Blank (EC72304-BLK1)				Prepared:	03/22/07	Analyzed: 03	3/23/07			
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	п							
LCS (EC72304-BS1)				Prepared:	03/22/07	Analyzed: 03	3/23/07			
Sulfate	9.16	0.500	mg/L	10.0		91.6	80-120			
Chloride	8.95	0.500	п	10.0		89.5	80-120			
Calibration Check (EC72304-CCV1)				Prepared:	03/22/07 A	Analyzed: 03	3/23/07			
Sulfate	10.3		mg/L	10.0		103	80-120			
Chloride	9.20		н	10.0		92.0	80-120			
Duplicate (EC72304-DUP1)	Sou	rce: 7C19004	-62	Prepared:	03/22/07	Analyzed: 03	3/23/07			
Chloride	90.3	5.00	mg/L		92.6			2.52	20	
Sulfate	244	5.00	m m		245			0.409	. 20	
Duplicate (EC72304-DUP2)	Sou	rce: 7C20014	-03	Prepared:	03/22/07	Analyzed: 01	3/23/07			
Sulfate	212	5.00	mg/L		211			0.473	20	
Chloride	41.0	5.00	н		40.8			0.489	20	

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**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EC72304 - General Preparation (WetChem)			· · · · · · · · · · · · · · · · · · ·	_					
Matrix Spike (EC72304-MS1)	Source	e: 7C19004-	62	Prepared: ()3/22/07 Aı	nalyzed: 03	/23/07			
Chloride	220	5.00	mg/L	100	92.6	127	80-120			М
Sulfate	389	5.00	"	100	245	144	80-120			М
Matrix Spike (EC72304-MS2)	Source	e: 7C20014-	03	Prepared: 03/22/07 Analyzed: 03/23/07						
Chloride	171	5.00	mg/L	100	40.8	130	80-120			М
Sulfate	364	5.00	"	100	211	153	80-120			М
Batch EC72808 - General Preparation (Blank (EC72808-BLK1)	atch EC72808 - General Preparation (WetChem)				z Analyzed:	03/28/07				
Total Alkalinity	ND	2.00	mg/L							
LCS (EC72808-BS1)				Prepared & Analyzed: 03/28/07						
Bicarbonate Alkalinity	176	2.00	mg/L	200		88.0	85-115			
Duplicate (EC72808-DUP1)	EC72808-DUP1) Source: 7C20014-01		Prepared & Analyzed: 03/28/07				•			
Total Alkalinity	200	2.00	mg/L		210	****		4.88	20	
Reference (EC72808-SRM1)				Prepared & Analyzed: 03/28/07						
Total Alkalinity	246		mg/L	250		98.4	90-110			

Project: Justis Jct. L-1 Vent

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Number: None Given

Project Manager: Kristin Farris-Pope

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

	D h	Reporting	TT. Ja.	Spike	Source	N/DEC	%REC	DDD	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EC73011 - 6010B/No Digestion										
Blank (EC73011-BLK1)				Prepared &	Analyzed:	03/30/07				
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	11							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EC73011-CCV1)				Prepared &	2 Analyzed:	03/30/07				
Calcium	2.29		mg/L	2.00		114	85-115			
Magnesium	1.89		"	2.00		94.5	85-115			
Potassium	1.78		n	2.00		89.0	85-115			
Sodium	1.77		11	2.00		88.5	85-115			
Duplicate (EC73011-DUP1)		rce: 7C20014-	-02	Prepared &	k Analyzed:	03/30/07				
Calcium	49.8	0.810	mg/L		58.0			15.2	20	
Magnesium	25.0	0.360	n		28.9			14.5	20	
Potassium	4.29	0.600	и		4.66			8.27	20	
Sodium	51.4	0.430	11		60.1			15.6	20	

Rice Operating Co.

Project: Justis Jct. L-1 Vent
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Fax: (505) 397-1471

Notes and Definitions

ΜI The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS). Analyte DETECTED DET Analyte NOT DETECTED at or above the reporting limit ND NR Not Reported dry Sample results reported on a dry weight basis RPD Relative Percent Difference LCS Laboratory Control Spike MS Matrix Spike

Report Approved By: Dun Sarvon D

Date: 4/5/2007

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

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

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

Environmental Lab of Texas

Dup

Duplicate

A Xenco Laboratories Company

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

Page 10 of 10

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East

1000

をを

を

The state of

がある。

☐ NPDES Project Loc: T25S R37E Sec1L ~ Lea County New Mexico TRRP Phone: 432-563-1800 Fax: 432-563-1713 Project Name: Justis Junction L-1 Vent Analyze For: Report Format: X Standard Project #: ₩ ₩ rozanne@valornet.com Odessa, Texas 79765 (505) 397-1471 e-mail: Fax No: kpope@riceswd.com Hobbs, New Mexico 88240 RICE Operating Company Sampler Signature: Rozanne Johnson (505)631-9310 122 W. Taylor Street Kristin Farris Pope (505) 393-9174 Company Address: Project Manager: Company Name Telephone No: City/State/Zip:

a			<		*****
86108 M 6001 X 70001 X	82108 M	9001 X: 9001 X: 89108 W	82108 M 8015X 7) (3)	98 M 3001,X (7)	NP-HOn-Possels Specify Other TPH: 418.1 80151 TPH: TX 1005 1 Antions (Ct. SO4. Alkali Antions (Ct. SO4. Alkali
Hoch-cates Special Lines H. 17.1005 TX.1006 Billone (Ca, Mg. Na. K) Tions (Cl, SO4. Alkalinity) AR J ESP / CEC Getals: As Ag Ba Cd Cr Pb Hg Se	Hoch-orage Speed-trial 80168 B0168 B	PH: 418.1 8015M 8015B PH: 718.1 8015M 8015B PH: 7X 1005 TX 1006 PH: 7X 1006 TX 1006 PH	PH: 418.1 8016M 80168 PH: 418.1 8016M 80168 PH: TX 1006 TX 1006 PH: TX 1006 TX 1006 PH: 418.1 8016M 90168	PH: 418.1 8015M 80. PH: TX 1005 TX 1006 RS ESP / CEC AR ESP / CEC	TI C AI S.
Matching Varie St. Studge Match Transported to the standard of the standard through the standard through the standard through the standard transported to the standard transported transported to the standard transported tr	Cov. Choling in years St. Shidge Cov. Choling in the Holling St. Shidge Specify Clines Cov. Choling was specify Clines THOT TOWN ST. Shidge Cov. Choling was specify Clines THOT TARGET ST. Shidge A St. Shidge THOT TARGET ST. Shidge	Methods: 8 - 18 - 18 - 18 - 18 - 18 - 18 - 18 -	Methor Porker St. Sudge And Table And St. Sudge Specification of the Angle Specification of the	Overdiating Varies St. Studge Nation-Porarie Specificate HPT: TX 1005 TX 1006 TPH: TX 1005 TX 1006	_
Other (Specify)	Other (Specify)	Other (Specify)	Other (Specify)	DArDishing Verei St. Shudge None (1) 1 Liter HDPE	1 GW
		Preference of the control of the con	- 0MH - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	HNO ₃ - HCI (2) 40 ml glass vials naoH	
· *ONH	riorial # of Containers eol - HNO,	Folal # . of Containers	riorial # of Containers eol	Fotal #, of Containers est HNO ₂ -	
				and the state of t	qms2 əmiT
			1	*	Ending Depth
1. 4	•	•	•		Beginning Depth
	<u></u> ور		<u> </u>	-	Э
					FIELD CODE
1	100 CO	(ian asc of "y		ORDER #:	(klno esu del) # 84-

20

Temperature Upon Receipt:

Received by ELOT

Ime

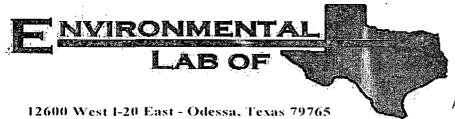
Relinquished by:

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

	Client:	RiceOperating				
	Date/ Time					
3						
	Lab ID#:	7C20016				
	Initials:	JMM				
		Sample Recei		·		Client Initials
	#1 Temp	perature of container/ cooler?	(Yes)	No	2-0 °C	
		ing container in good condition?	(Yes)	No		
Ø		ody Seals intact on shipping container/ cooler?	(Yes)	<u>No</u>	Not Present	
SA.		ody Seals intact on sample bottles/ container?	Yes	No	Not Present	
		of Custody present?	Yes	No -		
3		ole instructions complete of Chain of Custody?	Yes	No		
-		of Custody signed when relinquished/ received?	Yes	<u>No</u>		
		n of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	<u> </u>
		ainer label(s) legible and intact?	Yes	<u>No</u>	Not Applicable	
		ple matrix/ properties agree with Chain of Custody?		<u>No</u>		
		tainers supplied by ELOT?	(Yes)	No_No	001	
		ples in proper container/ bottle?	Yes Yes	No No	See Below	-
		ples properly preserved? ple bottles intact?	(Yes)	No No	See Below	
		servations documented on Chain of Custody?	Yes	No		
		tainers documented on Chain of Custody?	(Yes)	- No		· ·
		icient sample amount for indicated test(s)?	Yes	No	See Below	
		amples received within sufficient hold time?	(Yes)	No	See Below	
		contract of sample(s)?	Yes	No	Not Applicable	
)	Samples have zero headspace?	(Yes)	No	Not Applicable	
	<u></u>			<u> </u>		
		Variance Do	cumentation			
	Contact:	Contacted by:			Date/ Time:	
	Regarding):				
	Corrective	e Action Taken:				
				+ 	**************************************	

	Check all	that Apply: See attached e-mail/ fax Client understands and w	•		•	
at.	ı	Cooling process had beg	jun shortly after	sampling	event	



A Xenco Laboratories Company

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 Sec1L ~ Lea County New Mexico

Lab Order Number: 7E17007

Report Date: 05/24/07

Project: Justis Jct. L-1 Vent

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Number: None Given
Project Manager: Kristin Farris-Pope

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well # 1	7E17007-01	Water	05/15/07 13:40	05-17-2007 14:30
Monitor Well # 2	7E17007-02	Water	05/15/07 12:25	05-17-2007 14:30
Monitor Well # 3	7E17007-03	Water	05/15/07 10:25	05-17-2007 14:30
Monitor Well # 4	7E17007-04	Water	05/15/07 11:30	05-17-2007 14:30
Monitor Well # 5	7E17007-05	Water	05/15/07 14:35	05-17-2007 14:30

122 W. Taylor Hobbs NM, 88240 Project: Justis Jct. L-1 Vent

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well # 1 (7E17007-01) Water									
Benzene	ND	0.00100	mg/L	1	EE72206	05/22/07	05/23/07	EPA 8021B	
Toluene	ND	0.00100	**	11	*	11	"	u	
Ethylbenzene	ND	0.00100		11	#	"	**	n	
Xylene (p/m)	ND	0.00100	tt	**	**	"	n	te	
Xylene (o)	ND	0.00100	п	"	h	H	н	п	
Surrogate: a,a,a-Trifluorotoluene		96.8 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.8 %	80-1	20	"	"	"	**	
Monitor Well # 2 (7E17007-02) Water									
Benzene	ND	0.00100	mg/L	l	EE72206	05/22/07	05/23/07	EPA 8021B	
Toluene	ND	0,00100	n	н	n	н	н	n	
Ethylbenzene	ND	0.00100	· - n	н		н	11	n	
Xylene (p/m)	ND	0.00100	n	u	"	11	11	"	
Xylene (o)	ND	0.00100	"	"	**	"	"	" .	
Surrogate: a,a,a-Trifluorotoluene		96.4 %	80-1	20	n	,,	"	n	
Surrogate: 4-Bromofluorobenzene		95.6 %	80-1	20	n	"	"	"	
Monitor Well # 3 (7E17007-03) Water									
Benzene	ND	0.00100	mg/L	1	EE72206	05/22/07	05/23/07	EPA 8021B	
Toluene	ND	0.00100	11	11	*	"	n	И	
Ethylbenzene	ND	0.00100	"	11	rr rr	**	It	n	
Xylene (p/m)	ND	0.00100	n	" .	n	n	"	n	
Xylene (o)	ND	0.00100	н	н	и	n	"	н	
Surrogate: a,a,a-Trifluorotoluene		104 %	80-1	20	"	n	"	н	
Surrogate: 4-Bromofluorobenzene		102 %	80-1	20	"	. "	u	"	
Monitor Well # 4 (7E17007-04) Water									
Benzene	ND	0.00100	mg/L	1	EE72206	05/22/07	05/23/07	EPA 8021B	
Toluene	ND	0.00100	11	**	"	**	н	19	
Ethylbenzene	ND	0.00100	**	"	n	**	**	11	
Xylene (p/m)	ND	0.00100	n	"	Ħ	**	n		
Xylene (o)	ND	0.00100	**	"	11	**	"	н	
Surrogate: a,a,a-Trifluorotoluene		94.2 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.8 %	80-1	120	,,	"	n	"	

Environmental Lab of Texas

A Xenco Laboratories Company

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

Page 2 of 11

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 Project: Justis Jct. L-1 Vent

Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well # 5 (7E17007-05) Water					, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Benzene	ND	0.00100	mg/L	1	EE72206	05/22/07	05/24/07	EPA 8021B	
Toluene	ND	0.00100		"	н	"	11	"	
Ethylbenzene	ND	0.00100	"	"	**	"	11	"	
Xylene (p/m)	ND	0.00100	"		н	"	н	11	
Xylene (o)	ND	0.00100	"	"	и	19	н	u	
Surrogate: a,a,a-Trifluorotoluene		112 %	80-12	?0	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	80-12	20	n	"	"	"	

122 W. Taylor Hobbs NM, 88240 Project: Justis Jct. L-1 Vent

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well # 1 (7E17007-01) Water									
Total Alkalinity	270	2.00	mg/L	ι	EE71808	05/18/07	06/22/07	EPA 310.1M	
Chloride	2160	50.0		100	EE72203	05/22/07	- 05/22/07	EPA 300.0	
Total Dissolved Solids	4530	10.0	n	1	EE72202	05/18/07	05/22/07	EPA 160.1	
Sulfate	397	50.0	н	100	EE72203	05/22/07	05/22/07	EPA 300.0	
Monitor Well # 2 (7E17007-02) Water									
Total Alkalinity	268	2.00	mg/L	1	EE71808	05/18/07	06/22/07	EPA 310.1M	
Chloride	437	10.0 "		20	EE72203	05/22/07	05/22/07	EPA 300.0	
Total Dissolved Solids	1490	10.0	n	1	EE72202	05/18/07	05/22/07	EPA 160.1	
Sulfate	262	10.0	**	20	EE72203	05/22/07	05/22/07	EPA 300.0	
Monitor Well # 3 (7E17007-03) Water									
Total Alkalinity	176	2.00	mg/L	1	EE71808	05/18/07	06/22/07	EPA 310.1M	
Chloride	128	5.00	"	10	EE72203	05/22/07	05/22/07	EPA 300.0	
Total Dissolved Solids	538	10.0	"	I	EE72202	05/18/07	05/22/07	EPA 160.1	
Sulfate	108	5.00	ir.	10	EE72203	05/22/07	05/22/07	EPA 300.0	
Monitor Well # 4 (7E17007-04) Water									
Total Alkalinity	252	2.00	mg/L	ı	EE71808	05/18/07	06/22/07	EPA 310.1M	_
Chloride	48.0	5.00	н	10	EE72203	05/22/07	05/22/07	EPA 300.0	
Total Dissolved Solids	518	10.0	11	t	EE72202	05/18/07	05/22/07	EPA 160.1	
Sulfate	109	5.00	"	10	EE72203	05/22/07	05/22/07	EPA 300.0	
Monitor Well # 5 (7E17007-05) Water									
Total Alkalinity	280	2.00	mg/L	ı	EE71808	05/18/07	06/22/07	EPA 310.1M	
Chloride	1870	50.0	"	100	EE72203	05/22/07	05/22/07	EPA 300.0	
Total Dissolved Solids	3950	10.0	n	1	EE72202	05/18/07	05/22/07	EPA 160.1	
Sulfate	655	50.0	"	100	EE72203	05/22/07	05/22/07	EPA 300.0	

Project: Justis Jct. L-1 Vent

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Number: None Given 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 (7E17007-01) Water				Dittion	Daten		Anaryzed	Wethod	Notes
Calcium	606	8.10	mg/L	100	EE72205	05/22/07	05/22/07	EPA 6010B	
Magnesium	248	1.80	"	50	H	03/22/07	03/22/07		
Potassium	12.4	0.600	**	10	н	"	"	te	
Sodium	360	4.30	11	100	н	н	11	н	
Monitor Well # 2 (7E17007-02) Water									
Calcium	147	4.05	mg/L	50	EE72205	05/22/07	05/22/07	EPA 6010B	
Magnesium	49.1	1.80	"	n	n	"	и	11	
Potassium	7.47	0.600	"	10	,,	,,	н	n	
Sodium	278	2.15	"	50	"	**	11	и	
Monitor Well # 3 (7E17007-03) Water									_
Calcium	77.3	4.05	mg/L	50	EE72205	05/22/07	05/22/07	EPA 6010B	
Magnesium	25.6	0.360	Ħ	10	11	u -	11	"	
Potassium	4.30	0.600	н		n	u	II.	"	
Sodium	53.2	2.15	n	50	"	n	U	n	
Monitor Well # 4 (7E17007-04) Water									
Calcium	73.7	4.05	mg/L	50	EE72205	05/22/07	05/22/07	EPA 6010B	
Magnesium	24.3	0.360	н	10	н	It	Ħ	n	
Potassium	3.78	0.600	**	**	н	11	**	н	
Sodium	50.5	2.15	. "	50	п	11	"	п	
Monitor Well # 5 (7E17007-05) Water									
Calcium	171	8.10	mg/L	100	EE72205	05/22/07	05/22/07	EPA 6010B	
Magnesium	72.8	1.80	11	50	и	"	h	H	
Potassium	11.2	0.600	n	10	"	11	n	11	
Sodium	1080	21.5	н	500		**	"	H .	

Project: Justis Jct. L-1 Vent

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Number: None Given
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 EE72206 - EPA 5030C (GC)										
Blank (EE72206-BLK1)				Prepared: 0	5/22/07 A+	nalyzed: 05	/23/07			
Benzene	ND	0.00100	mg/L			, 200. 00	. 20, 01			
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	11							
Xylene (o)	ND	0.00100	Ħ							
Surrogate: a,a,a-Trifluorotoluene	49.3		ug/l	50.0		98.6	80-120			
Surrogate: 4-Bromofluorobenzene	51.9		n	50.0		104	80-120			
LCS (EE72206-BS1)				Prepared: 0	5/22/07 Ai	nalyzed: 05	/23/07			
Benzene	0.0507	0.00100	mg/L	0.0500		101	80-120			
Toluene	0.0533	0.00100	"	0.0500		107	80-120			
Ethylbenzene	0.0534	0.00100	tt.	0.0500		107	80-120			
Xylene (p/m)	0.109	0.00100	**	0.100		109	80-120			
Xylene (o)	0.0554	0.00100	"	0.0500		111	80-120			
Surrogate: a,a,a-Trifluorotoluene	48.3		ug/l	50.0		96.6	80-120			
Surrogate: 4-Bromofluorobenzene	52.9		"	50.0		106	80-120			
Calibration Check (EE72206-CCV1)				Prepared: 0	15/22/07 A	nalyzed: 05	/24/07			
Benzene	0.0530		mg/L	0.0500		106	80-120			
Toluene	0.0557		11	0.0500		111	80-120			
Ethylbenzene	0.0552		"	0.0500		110	80-120			
Xylene (p/m)	0.110		"	0.100		110	80-120			
Xylene (o)	0.0585		"	0.0500		117	80-120			
Surrogate: a,a,a-Trifluorotoluene	51.5		ug·l	50.0		103	80-120			*****
Surrogate: 4-Bromofluorobenzene	53.9		"	50.0		108	80-120			
Matrix Spike (EE72206-MS1)	Sou	ırce: 7E15010-	.07	Prepared: 0)5/22/07 A	nalyzed: 05	/24/07			
Benzene	0.0515	0.00100	mg/L	0.0500	ND -	103	80-120			
Toluene	0.0544	0.00100	и	0.0500	ND	109	80-120			
Ethylbenzene	0.0513	0.00100	17	0.0500	ND	103	80-120			
Xylene (p/m)	0.108	0.00100	19	0.100	ND	801	80-120			
Xylene (o)	0.0566	0.00100	"	0.0500	ND	113	80-120			
Surrogate: a,a,a-Trifluorotoluene	50.5		ug/l	50.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	50.5		"	50.0		101	80-120			

Project: Justis Jct. L-1 Vent

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given
Project Manager: Kristin Farris-Pope

Organics by GC - Quality Control Environmental Lab of Texas

	ъ. т.	Reporting Limit Units		Spike ts Level	Source	0/270	%REC	nnn	RPD	X .
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE72206 - EPA 5030C (GC)										
Matrix Spike Dup (EE72206-MSD1)	Sour	rce: 7E15010-	07	Prepared: 0	5/22/07 A	nalyzed: 05	5/24/07			
Benzene	0.0512	0.00100	mg/L	0.0500	ND	102	80-120	0.976	20	
Toluene	0.0542	0.00100	**	0.0500	ND	108	80-120	0.922	20	
Ethylbenzene	0.0551	0.00100	*	0.0500	ND	110	80-120	6.57	20	
Xylene (p/m)	0.111	0.00100	"	001.0	ND	111	80-120	2.74	20	
Xylene (o)	0.0581	0.00100	**	0.0500	ND	116	80-120	2.62	20	
Surrogate: a,a,a-Trifluorotoluene	48.3	— <u>—</u>	ug/l	50.0		96.6	80-120			
Surrogate: 4-Bromofluorobenzene	53.8		"	50.0		108	80-120			

Project: Justis Jct. L-1 Vent

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Number: None Given

Project Manager: Kristin Farris-Pope

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

		Reporting		Spike	Source		%REC		RPD				
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes			
Batch EE71808 - General Preparatio	on (WetChem)												
Blank (EE71808-BLK1)		<u>.</u>		Prepared: (05/18/07 At	nalyzed: 06	5/22/07						
Total Alkalinity	ND	2,00	mg/L										
LCS (EE71808-BS1)				Prepared: (05/18/07 Analyzed: 06/22/07								
Total Alkalinity	0.00	2.00	mg/L				85-115						
Bicarbonate Alkalinity	174	2.00	11	200		87.0	85-115						
Duplicate (EE71808-DUP1)	Sou	rce: 7E17003-	01	Prepared: (05/18/07 A 1	nalyzed: 06	6/22/07						
Total Alkalinity	220	2.00	mg/L		222			0.905	20				
Reference (EE71808-SRM1)	-SRM1) Prepared: 05/18/07 Analyzed: 06/22/07												
Total Alkalinity	254		mg/L	250		102	90-110		,				
Batch EE72202 - General Preparatio	on (WetChem)												
Blank (EE72202-BLK1)				Prepared:	05/18/07 Ai	nalyzed: 0:	5/22/07						
Total Dissolved Solids	ND	10.0	mg/L										
Duplicate (EE72202-DUP1)	Sou	rce: 7E17003-	01	Prepared:	05/18/07 A	nalyzed: 0:	5/22/07						
Total Dissolved Solids	516	10.0	mg/L		498			3,55	20				
Duplicate (EE72202-DUP2)	Sou	rce: 7E17007-	03	Prepared:	05/18/07 A	nalyzed: 0:	5/22/07						
Total Dissolved Solids	530	10.0	mg/L		538			1.50	20				
Batch EE72203 - General Preparatio	on (WetChem)												
Blank (EE72203-BLK1)		, , , , , , , , , , , , , , , , , , , ,		Prepared &	k Analyzed:	05/22/07							
Sulfate	ND	0.500	mg/L										
Chloride	ND	0.500	и										

Project: Justis Jct. L-1 Vent

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given

Project Manager: Kristin Farris-Pope

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE72203 - General Preparation (WetChem)			····-	· · · · · · · · · · · · · · · · · ·					
LCS (EE72203-BS1)				Prepared &	Analyzed:	05/22/07				
Chloride	9.56	0.500	mg/L	10.0		95.6	80-120			
Sulfate	9.69	0.500	"	10.0		96.9	80-120			
Calibration Check (EE72203-CCV1)				Prepared &	z Analyzed:	05/22/07				
Chloride	9.88		mg/L	10.0		98.8	80-120			
Sulfate	9.23		"	10.0		92.3	80-120			
Duplicate (EE72203-DUP1)	Sour	ce: 7E17003-	01	Prepared &	k Analyzed:	05/22/07				
Chloride	64.2	12.5	mg/L		62.4			2.84	20	
Sulfate	104	12.5	п		101			2.93	20	
Duplicate (EE72203-DUP2)	Sour	ce: 7E17007-	03	Prepared &	k Analyzed:	05/22/07				
Chloride	128	5.00	mg/L		128			0.00	20	
Sulfate	107	5.00	i,		108			0.930	20	
Matrix Spike (EE72203-MS1)	Sour	ce: 7E17003-	01	Prepared &	k Analyzed:	05/22/07				
Sulfate	334	12,5	mg/L	250	101	93.2	80-120			
Chloride	314	12.5	11	250	62.4	101	80-120			
Matrix Spike (EE72203-MS2)	Sour	ce: 7E17007-	-03	Prepared &	k Analyzed:	05/22/07				
Sulfate	207	5.00	mg/L	/L 100 108 99.0			80-120			
Chloride	228	5.00	**	100	128	100	80-120			

Project: Justis Jct. L-1 Vent

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given

Project Manager: Kristin Farris-Pope

Total Metals by EPA / Standard Methods - Quality Control **Environmental Lab of Texas**

	2311 / 11 0 21172 - 1110	
		

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE72205 - 6010B/No Digestion										
Blank (EE72205-BLK1)				Prepared &	Analyzed	05/22/07				
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	h							
Potassium	ND	0.0600	н							
Sodium	· ND	0.0430	**							
Calibration Check (EE72205-CCV1)		·		Prepared &	Analyzed	05/22/07				
Calcium	2.01		mg/L	2.00		100	85-115			
Magnesium	2.07		11	2.00		104	85-115			
Potassium	1.76		tt	2.00		88.0	85-115			
Sodium	2.14		"	2.00		107	85-115			
Duplicate (EE72205-DUP1)	Sou	rce: 7E17003-	01	Prepared &	k Analyzed	05/22/07				
Calcium	27.2	0.810	mg/L		27.6			1.46	20	
Magnesium	18.1	0.360	**		18.9			4.32	20	
Potassium	14.3	0.600			9.42			41.1	20	
Sodium	85.3	2.15	Ħ		80.7			5.54	20	

Rice Operating Co.

Project: Justis Jet. L-1 Vent
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope

Notes and Definitions

The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits. R Analyte DETECTED DET Analyte NOT DETECTED at or above the reporting limit ND 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

	Burn	Burron	.•	
Report Approved By:			Date:	5/24/2007

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

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

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

Environmental Lab of Texas

A Xenco Laboratories Company

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

Page 11 of 11

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

建松油

Se de la constante de la const

12600 West I-20 East Odessa, Texas 79765

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

ent		~ Lea County New Mexico		RP NPDES			3	1214	***	Mito@ bevloazi@ bito@ bevloazi@ TAT F	IstoT IstoT	×	×	×	×	×		30	N 2 N	M ^ã	0
e: Justis Junction L-1 Vent	#:	R37E Sec1L	#	X Standard TRRP		Analyze For:	TCLP	96		s (Ce. Mg. Na. K) F. (Cl. SO4, Alkalinit FSP / CEC FSP / CEC FSP / CEC	enoinA I / AAS SlateM SlateV WitsloV	×	×	×	×	×		Laboratory Comments: Sample Containers Intact: VOCs Free of Headsman	Labels or container(s) 4 Custody seals on container(s) Custody seals on cooler(s)	Sample Hand Delivered by Sample Client Rep-1 by Courier? UPS DHL	pon Receipt:
Project Name:	Project#:	Project Loc: T25S	PO #:	Report Format:				Matrix B	108 8001	Maros r.Sohlschd Maros r.Srb XT 2001 XT	cið : Va Horingi Hat Hqt	GW	CW GW	SW SW	X MO	GW			7 7:07	Time	7.30
					net.com			r			Other	7	-		-	-		LION.	Date 6-47-6	Date	Date 5-17-67
A PART OF THE PART				(505) 397-1471	rozanne@valornet.com			Preservetion & # of Containers		alsiv aasig Im O4 (.	H ² CO ² HCI (³ HNO ²	X 2	x 2	2 X	x 2	X 2		rozanne@valornet.com	Inder		
mc				Fax No. (E	e-mail: ro	•				Sampled lened	Field Fil	13:40	12:25	10:25 3	11:30	14:35 3			me the		1 3
kpope@riceswd.com				7	7			5		baldrine3	oste O	5/15/2007	5/15/2007	5/15/2007	5/15/2007	5/15/2007		matt@riceswd.com	Received by:	Received by.	Received by ELOT
kpop	pany		88240		310	1			N. Control of the Con	ning Depth g Depth								 - F 6	Time 7:00	1me () () () () () () () () () () () () ()	Time
Kristin Farris Pope	RICE Operating Company	122 W. Taylor Street	Hobbs, New Mexico 88240	3-9174	Rozanne Johnson (505)631-9310			``	The state of the s									kpope@riceswd.com	Oate 5-1.7-6.7	Date 5:17-07 2	Date
Project Manager. Kristin Fa	Company Name RICE Ope	Company Address: 122 W. T.	City/State/Zip: Hobbs, N	Telephone No: (505) 393-9174	Sampler Signature: Rozanne John			* JED 001	282735		FIELD CODE	Monitor Well #1	Monitor Well #2	Monitor Well #3	Monitor Well #4	Monitor Well #5		Special Instructions: Please email to kpope		dby: Jahndon	d by:
							(lab use only)	ORDER #:		(Kluo esn del)	#8 8 7	Ö	3	B	E	92		Special In	Refinquighed by	Relinguished by:	Relinquished by:

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client:	Kice				
Date/ Time:	5-17-07 2:30				
_ab ID # :	7517007				
nitials:	al				
		Observance			
	Sample Receipt	Checklist			Client Initials
#1 Tempera	ature of container/ cooler?	Yes	No	0.0	
	container in good condition?	(Fes)	No		
	Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
	Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
	Custody present?	(Yes)	No		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	instructions complete of Chain of Custody?	Yes	No		
·	Custody signed when relinquished/ received?	Yes	No		
	Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lic	t t
#9 Containe	er label(s) legible and intact?	(Yes)	No	Not Applicable	
#10 Sample	matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11 Contain	ers supplied by ELOT?	Yes)	No		
#12 Sample	s in proper container/ bottle?	(Yes)	No	See Below	
#13 Sample #14 Sample	s properly preserved?	(Yes)	No	See Below	
#14 Sample	bottles intact?	(Yes)	No		
#15 Preserv	vations documented on Chain of Custody?	(Yes)	No		
#16 Contain	ners documented on Chain of Custody?	(Yes)	No		
¥17 Sufficie	nt sample amount for indicated test(s)?	(Yes)	No	See Below	
‡18 All sam	ples received within sufficient hold time?	(Yes)	No	See Below	
119 Subcor	ntract of sample(s)?	Yes	No	Not Applicable	
#20 VOC sa	ntract of sample(s)? amples have zero headspace?	Yes	No	Not Applicable	
	Variance Docu				·
Sontact.	variance bocu	mentation			
Optact	Contacted by:			Date/ Time:	
Joinade.	Contacted by.			Date/ Fillio.	المنظمة
Regarding:					
Regarding			·····	**************************************	د د د د د د د د د د د د د د د د د د د
			<del></del>		**************************************
Corrective A	ction Taken:				
Corrective A					
			**************************************		
heck all the					
3	Client understands and wou	uld like to prod	ceed with	n analysis	
	Cooling process had begun				
	•	•			

Page 1 of 1

* Elizabeth

S. Carlot

のできる

S. P.

in the

*

			F-							onts	- 24 H	- əmiT br	Chlorides														
ST			-	<del></del>									esiQ IstoT	×	×	×	×	×	+	-	╀	_					
REQUEST	,		-			<del>, ,</del>			()	٥٥٤			O) anoina (O) anoinA	×	×	×	×	×	$\dashv$	+	+	-					
<b>E</b>			-																_		T			iber:			
Sis			_										Moisture C											Additional Fax Number.			
اڭ			_										BOD, TSS					_			╀	<u> </u>		Fax		ह	
¥.		TS	<u>.</u> -								80		Pesticides				_			$\dashv$	╀	<del>                                     </del>		onai			
ď		<b>3</b>	<u> </u>							C70	100170		BCB/P 808				$\dashv$		$\dashv$		╁╌	├		dditi	7		
¥		RE(	)				·			363			GC/W2 AP	-			$\dashv$			+	-	<del> </del>		٧		Sa Sa	
5		SIS	<u> </u>										RCI						-	+	╁	<del> </del>	2	o _N	(		
5	#	ANALYSIS REQUEST	ว์ - ร									icides	TCLP Pest	-						-	T		٦			kpope(@inceswo.com rozanne@valornet.com	
ž	LAB Order ID#	NA	- E								-	eeliteloV i	TCLP Sem								L		S	s			
포	ВŌ	<b>4</b> (	<u> </u>					6		1.10	20.20		TCLP Vola									ļ	Υes	Yes		<b>:</b> :	
CHAIN-OF-CUSTODY AND ANALYSIS	5		-		7.0	1500	8010						Total Meta	$\vdash$	-				<del></del>	- -	+-	-	H			22 22	
¥			-										0728 HA9						$\neg$	+	$\dagger$	<u> </u>	tts			esn	
ပ							(980	) bab	nətx	3 SO	O1XT\	7TX1005	.814 H9T										Zesu	sults	KS:	Email Results to:	
			_									18/602	BTEX 802	×	×	×	×	×					Phone Results	Fax Results	REMARKS.	Ĕ	-
								·			····	18/602	MTBE 802				,		$\Box$				报 전	Fax	REI		
					7.4	-			10	El	.ING		TIME	12.55	11:50	, 40	24:01	13.50							,		
					Fax#: /EOE\207 1171	‡			Rozanpe Johnson (505)631-9310	rozanne@valornet.com	SAMPLING		102) = 1 · · ·=			8	_		$\dashv$		╁┈	$\vdash$			75.04		
(	ن				207	200			05)6	me	S,	(20	OS) 3TAG	8-29	8-29	8-29	8-29	8-29				<u> </u>			7	-	
5		PO#	(Street, City, Zip)	ı	Fax#:	2			on (5	valo	ų.	In court	NONE (1-1 [])	_					.		-	<u> </u>	Time:	•	Time:	×	14
, page		A.	ί	240	Fa	4			Johns	(g)	PRESERVATIVE METHOD	(HODE)	ICE (1911) H ^S 2O ⁴	Γ	-	_	_			+	-	├-	-		T (%	CHECKED BY:	
ζ	<b>2</b> 2		Stree	20 88		l			ģ	ann	SERVAT METHOD		NaHSO ₄						$\dashv$	$\dashv$	╁┈	$\vdash$	a		Date: oメ/x 6/20	, Š	
•	](			Mexic		1			Roza Za		RES	-	HNO ³						十	_	1	$\vdash$	Date		Date:	់	•
Š		pan		New		1			١		_	(AOV k	HCF (5 40 ¹¹	2	2	2	2	2					]		i		
4	atories, inc.	Sompany		122 W Taylor Street ~ Hobbs, New Mexico 88240				`	Tage of	1											1		]		raff)	Ļ	
\$			.,	Ϋ́,	5	,		1	18	1	<b>X</b> €		SCUDGE					_		-	+	├	1		ory Sta	3	<u>ا</u> ق
(	9	Company. Derating	Address:	treet	Phone#			\	Sample	V	MAPRIK		AIA						$\dashv$	-	+-	├-	-		orator		Intact
<b></b>	<u> </u>	BILL TO Company: RICE Operating	Ad	ylor S	Phone#: /505/303 0174	2	7		As,	M	] _		SOIL SOIL	×	×	×	×	×	-	+	┼	┝	-		(Laboratory St	;	8
٠,	·5	5 Ä		ΝTa	5 (2	5	-14		1	//	$\overline{\mathcal{H}}$			Ĥ	Ĥ	_		$\widehat{}$	$\dashv$	+	+-	├-	l.		1	, [§	ဒို
)   		BILL TO RICE (	_	122 \	/A.O.	-	(505)397-1471				4	иева	# CONTA	3	3	3	3			_	_		Received by:		ved B	cle Condition	,
2	Cardinal Labor;					Eav #	(505)	1		County - New Mexico		qmo(ጋ	) 10 ds1(2)	ပ	9	ე	ŋ	ŋ	_				Recei		Received By:	Sample Condition	
program program								Project Name:	×	w Me													1	Ţ		T	
	1			ist	é			3	5	- Ne														41.05			
۲	"			ient	1	0024		9	3	inty		핒								ŀ				.1~	пе		
100				Sc		OS X		Nam	3	Cou		S											Time		Time		
		Ş		ect		x Sve	•	Project Name	10	Lea (		FIELD CODE		_	2	6	4	ي						í	ài		
		npa		Pro	(d	S. Ne		ă -	5	<b>→</b>		罡		ell#	ell#	# ===	#   -	#					Date:		Date:	l _e	
New		S	l	De,	ζ, Z	000								×	ž.	ž	ž	¥				1	[ /	$  \cdot  $		O	
obbs,	326 :476	<u>i</u>		G.	is i	2 2	74			Sec				Monitor Well #1	Monitor Well #2	Monitor Well #3	Monitor Well #4	Monitor Well #5				<b>)</b>	N	7		(Circle One)	
id - Hr 8824	393-2 393-2	Frati	ş -	rris	(Street, City, Zip)	Sile	-91			7	ļ		_	ĭ	ž	ž	ž	ž	_		<u> </u>	<del>ا</del> م	į,	18/	. <u>;</u>	ο	•
Mariand - Hot Mexico 88240	Tel (505) 393-2326 Fax (505) 393-2476	Vame	nager	Fa		ayror	393-9174		ation	R3,		*	SE	1-3	런	ŀC	Ċ,	1/2					\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	C.	ed b	B.	,
101 East Marland - Hobbs, New Mexico 88240	F F E	Company Name: RICE Operating Company	Project Manager	Kristin Farris-Pope, Project Scientist	Address:	122 VV Laylor Street ~ Hobbs, New Mexico 65240 Phona #-	_	Project #:	Project Location:	T25S-R37E-Sec1 L		LAB#	LAB USE ONLY	十13196-		١	,	`				\	Relinguished by	Rozanne Johnson	Relinquished by	Delivered By:	
	1	چَوا	မ	51	ž Š	7   5	3	96	)ec	72		_	<b>∮</b> ∪	15							1		圓	/za/	inc	Ĭ.	



PHONE (505) 393-2326 + 101 E. MARLAND + HOBBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: KRISTIN FARRIS-POPE 122 W. TAYLOR STREET HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 08/29/07 Reporting Date: 09/05/07

Project Owner: NOT GIVEN

Project Name: JUSTIS JUNCTION L-1 VENT

Project Location: T25S-R37E-SEC1 L~LEA COUNTY, NM

Sampling Date: 08/29/07 Sample Type: WATER

Sample Condition: COOL & INTACT

Sample Received By: HM Analyzed By: HM/KS

riojeci Localioi	ii. 1255-North-oldor that	T COOMIT, MI	ı	,	nitalyzed D	y. HIMINO	
	•	Na	Са	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(uS/cm)	(mgCaCO ₃ /L)
ANALYSIS DA	TE:	09/05/07	09/04/07	09/04/07	09/05/07	08/30/07	09/04/07
H13196-1	MONITOR WELL #1	484	645	250	9.65	7,310	116
H13196-2	MONITOR WELL #2	295	99.8	41.1	6.43	2,250	164
H13196-3	MONITOR WELL #3	78	79.8	28.2	5.45	1,021	132
H13196-4	MONITOR WELL #4	73	50.6	25.8	5.34	835	168
H13196-5	MONITOR WELL #5	1320	133	50.8	6.18	6,780	208
Quality Control	e. 1917 - S. 1928 MBC og hanner, annen i er i novern henn het som segmenterskenheisterskenheisterskenheistersk	NR	50.6	53.2	1.87	1423	NR.
True Value QC	The Thirty States and the Control of	NR	50.0	50.0	2.00	1413	NR
% Recovery	· · · · · · ·	NR	101	106	93.6	101	NR
Relative Percer	ıt Difference	NR	< 0.1	3.1	2.1	< 0.1	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1
		cr ⁻	SO ₄	CO3	HCO ₃	рН	TDS
***************************************		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)

		CI	\$O₄	$CO_3$	HCO₃	pН	TDS
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)
ANALYSIS D	ATE:	09/04/07	09/05/07	09/04/07	09/04/07	08/30/07	09/04/07
H13196-1	MONITOR WELL #1	2,179	500	0	142	6.93	7,305
H13196-2	MONITOR WELL #2	424	295	0	200	7.41	1,438
H13196-3	MONITOR WELL #3	156	134	0	161	7.45	702
H13196-4	MONITOR WELL #4	52	151	0	205	7.32	578
H13196-5	MONITOR WELL #5	1,619	894	0	254	7.45	4,386
Quality Contr	rol	500	24.0	NR	1025	6.97	NR
True Value C	IC .	500	25.0	NR	1000	7.00	NR
% Recovery		100	96.1	NR	102	99.6	NR
Relative Perc	ent Difference	< 0.1	8.2	NR	6.1	0,1	NR
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1	160.1

The S. Moreno Chemist

__09-o≤-c2 Date





PHONE (505) 393-2326 + 101 E. MARLAND + HORBS, NM 88240

ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: KRISTIN FARRIS-POPE

122 W. TAYLOR HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 08/29/07

Reporting Date: 09/04/07 Project Number: NOT GIVEN

Project Name: JUSTIS JUNCTION L-1 VENT

Project Location: T25\$-R37E-SEC1 L ~ LEA CO., NM

Sampling Date: 08/29/07

Sample Type: GROUNDWATER Sample Condition: COOL & INTACT

Sample Received By: HM

Analyzed By: CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DAT	TE	08/30/07	08/30/07	08/30/07	08/30/07
H13196-1	MONITOR WELL #1	<0.002	< 0.002	<0.002	<0.006
H13196-2	MONITOR WELL #2	<0.002	< 0.002	<0.002	<0.006
H13196-3	MONITOR WELL #3	<0.002	<0.002	<0.002	<0.006
H13196-4	MONITOR WELL #4	<0.002	<0.002	<0.002	<0.006
H13196-5	MONITOR WELL #5	<0.002	<0.002	<0.002	<0.006
Quality Control		0.086	0.082	0.082	0.252
True Value QC	The second secon	0.100	0.100	0.100	0.300
% Recovery		86.0	82.3	82.4	84.0
Relative Percer	nt Difference	6.0	2.6	1.8	0.7

METHOD: EPA SW-846 8021 B

Date



ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: KRISTIN FARRIS-POPE 122 W. TAYLOR DTREET

HOBBS, NM 88240 FAX TO: (575) 397-1471

Receiving Date: 11/15/07

Reporting Date: 11/16/07 Project Number: NOT GIVEN

Project Name: JUSTIS JUNCTION L-1 VENT

Project Location: T25S R37E SEC1 L ~ LEA COUNTY, NM

Sampling Date: 11/14/07

Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT

Sample Received By: SB

Analyzed By: BC

LAB NO. SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE	11/15/07	11/15/07	11/15/07	11/15/07
H13718-1 MONITOR WELL #1	<0.002	<0.002	<0.002	<0.006
H13718-2 MONITOR WELL #2	<0.002	<0.002	<0.002	<0.006
H13718-3 MONITOR WELL #3	<0.002	0.002	0.003	0.007
H13718-4 MONITOR WELL #4	<0.002	<0.002	< 0.002	<0.006
H13718-5 MONITOR WELL #5	<0.002	<0.002	<0.002	<0.006
Quality Control	0.101	0.096	0.099	0.298
True Value QC	0.100	0.100	0.100	0.300
% Recovery	101	95.9	98,6	99.2
Relative Percent Difference	8.6	2.9	2.3	2.4

METHOD: EPA SW-846 8260

Date



ANALYTICAL RESULTS FOR RICE OPERATING COMPANY ATTN: KRISTIN FARRIS-POPE 122 W. TAYLOR STREET HOBBS, NM 88240

FAX TO: (575) 397-1471

Receiving Date: 11/15/07 Reporting Date: 11/26/07

Project Number: NOT GIVEN

Project Name: JUSTIS JUNCTION L-1 VENT

Project Location: T25S-R37E-SEC1 L~LEA COUNTY, NM

Sampling Date: 11/14/07 Sample Type: WATER

Sample Condition: COOL & INTACT

Sample Received By: SB Analyzed By: HM/KS

		Na	Ca	Mg	K	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(uS/cm)	(mgCaCO ₃ /L)
ANALYSIS DAT	E:	11/21/07	11/21/07	11/21/07	11/21/07	11/20/07	11/20/07
H13718-1	MONITOR WELL #1	560	639	262	13.8	7,550	244
H13718-2	MONITOR WELL #2	281	132	38.7	6.08	2,160	256
H13718-3	MONITOR WELL #3	71	86.5	29.0	4.20	961	172
H13718-4	MONITOR WELL #4	71	75.8	25.8	3.80	832	240
H13718-5	MONITOR WELL #5	475	592	230	11.7	6,820	232
Quality Control		NR	51.5	50.8	2.89	1,409	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	103	102	96.3	99.7	NR
Relative Percer	t Difference	NR	4.6	1.6	2.1	0.4	NR
METHODS:	d statement and a statement an	SM3	3500-Ca-D	3500-Ma E	8049	120.1	310.1
		CI	SO ₄	CO ₃	HCO ₃	ρН	TDS
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)
ANALYSIS DAT		11/20/07	11/21/07	11/20/07	11/20/07	11/20/07	11/20/07
H13718-1	MONITOR WELL #1	2,250	477	0	298	6.89	4,679
H13718-2	MONITOR WELL #2	396	283	0	312	7.38	1,353
H13718-3	MONITOR WELL #3	132	131	0	210	7.52	621
H13718-4	MONITOR WELL #4	52	135	0	293	7.49	562
H13718-5	MONITOR WELL #5	1,940	490	0	283	6.96	4,306
Quality Control		500	22.8	NR	988	7.06	NR
True Value QC	A STATE OF THE STA	500	25.0	NR	1000	7.00	NR
% Recovery		100	91.1	NR	98.8	101	NR
Relative Percen	t Difference	< 0.1	6.3	NR	1.2	0.1	NR
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1	160.1

Motor Syrobo

11/26/07 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service! In the event shall cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

Page 1 of 1

A second

2. 一個十

The state of the s

101 East Marland - Hobbs, New Mexico 88240 Tel (505) 393-2326	na		ap	Labora		tories,		3	Inc	ن			용	CHAIN-OF-CUSTODY AND	I-OF-CUST	JSTC	١٥	AN I	AN	ANALYSIS		REQUEST	EST		
		OT 1 IIBI	Č	Company				1-	#04		+			Š	g l	# ]									
		RICE	Oper	Operating		Company		-	5						AN (	ANALYSIS	SIS	SEQ.	REQUEST	_ ^					
			À	Address:			$\Gamma$	Street, City, Zip)	ly, Zip)		Γ	-		-	<u> </u>	Circle or specify Method No.)	peciny	Meta	- 20	, <u> </u>	_	-	_	-	
Kristin Farris-Pope, Project Scientist		122 W Taylor Street ~ Hobbs, New Mexico 88240	aylor S	treet ~	Hobbs,	New N	Aexico	88240																	
			Æ	Phone#:				F	Fax#:										·					·	
122 W Taylor Street ~ Hobbs, New Mexico 88240		(505) 393-9174	393-6	1174				*	505)3	(505)397-1471	_			. 00											
	Fax#:				ŀ								- (1	2/8											
	(502)	(505)397-1471	17.1				À	_			_	300,	05.J	0108											
Project Name:				1		1						/   -	neo (		·										
Justis Junction L-1 Vent	eur					L		-		7 00	Ţ		นอา												
~ I ea Countv - New Mexico	exico		S //	Sampler	Signature:	)	ozann Ozan	e John e	son (50 Valor	Rozanne Johnson (505)631-9310 rozanne@valornet.com			x⊐ c(					97				(00.	(50)		sinc
			N.	MATRIX	$\sqrt{k}$	<b>E</b>	SESE	PRESERVATIVE	- -	SAMPLING	Ţģ		)OLY												H 7
		1			,		ME	METHOD			<u> </u>		11/				769/			202					<b>7</b> ~
FIELD CODE	dmo(Э) .	SA3NIA.	7		3	(AOV Imo	Þ		(240h iair	(200	209/8120	)21B/602	300 300 300 300	l aA gA alsi aA gA alsi			/ol. 8260B	JoV Jimes		9\A1808 <i>a:</i> Hq ,8:	fuetnoO	(Ca, Mg, N	seolved So Cl, SO4, C		emiT bnuc
	(G)rab or		MATER SOIL	ЯIA	arnbe	HCF (5¢	NSHSO HNO3	^⁵ OS ^z H	NONE ICE (1-11	s) atad ———————————————————————————————————			814 H41		TCLP Vo	TCLP Pe	BCI BCI		PCB's 8	BOD, TS				Chloride	o₁A muT
	ŋ	က	×		-	2		-		11-14 13:15	:15	×			لـــا					_		×	×		
	ŋ	8	×			2		7		11-14 12:10	10	×										×	×		
	Ø	က	×			2		-		11-14 10:10	10	×								-		×	×		
	υ	က	×			2		-		11-14 11:05	:05	×								-		×	×		
	ပ	8	×			2	_	_		11-14 14:20	20	×								-		×	×		
			-																	$\dashv$					
			-																	-		$\exists$			
			-																	$\dashv$		_			
																		_		-					
			$\vdash$												$\dashv$		_	_		{			_		
Time:	Received by:	∍d by:					Date:		Time:		쮼	Phone Results	sults		Yes		۶ ا								
10:35											Fax	Fax Results	lts		Yes		N _o	Adc	ditiona	Fax	Additional Fax Number:	er:			ļ
Time:	Receive	Received By: (Laboratory Staff)	(Labor	atory	Staff)		Date:	μ_	Time:		RE	REMARKS	;S												
	Ste	Sue Barnes	$n\epsilon\epsilon$	, Ti Li	list	20,			35		_	Emai	Resu	Email Results to:	•	kpope@riceswd.com	@ric	esw	d.cor	Σl					
	Sample	Sample Condition	r Cool	/ Infact		CHEC	СНЕСКЕВ ВҮ:	3¥:							≥  €	Iweinheimer@riceswd.com	eime	19 c	icesv	0 C	E				
Other		s &	y √es	Ţ	``	(Initials)	1.0	dz			<b></b>				<b>:</b>	7	2								
		1	$\left\{ \right.$	1	┨	١	١				$\frac{1}{2}$		١												ı