1R-415

REPORTS

DATE:

2-12-07

R. T. HICKS CONSULTANTS, LTD.

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

February 12, 2007

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

RE:

2006 Annual Ground Water Monitoring Report

G-1 Leak Site (Abo Apache LA), Sec 01, T17S, R36E, Unit "G"

NMOCD Case #: 1R0415

Dear Mr. Wayne Price:

R.T. Hicks Consultants, Ltd is pleased to submit the 2006 Annual Ground Water Monitoring Report for the G-1 Leak Site (Abo Apache LA) site located in the Abo Salt Water Disposal System (SWD). This report consists of the following sections:

- 1. A table summarizing all laboratory results, depth to ground water and other pertinent data associated with ground water sampling at the site, including this past year.
- 2. Graphs showing chemical concentration vs. time for chloride and TDS.
- 3. Laboratory data sheets associated with the routine sampling for 2006.

The Final Closure Report was submitted to NMOCD on April 28, 2006. No NMOCD action is necessary at this time.

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

Sincerely,

R.T. Hicks Consultants, Ltd.

Randall T. Hicks

Principal

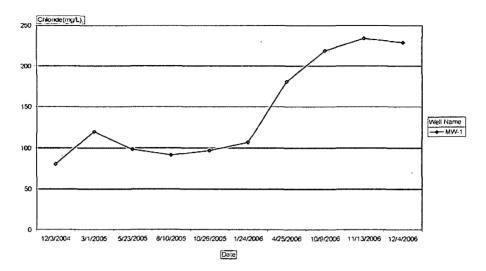
Copy: Hobbs NMOCD office; Rice Operating Company

Table 1: chemistry over time

	Comments					Clear no odor			Clear	Clear with no odor	Clear / No Odor
	Total Xylenes (ug/L) Comments	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	XXX	XXX
	Toluene (ug/L) EthylBenzene (ug/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	XXX	XX
ы	Toluene (ug/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	XXX	XX
Table 1: chemistry over time	TDS (mg/L) Benzene (ug/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	XXX	XX
: chemis	TDS (mg/L)	329	532	573	603	584	560	780	836	752	869
Table 1	Sulfate (mg/L)					69.7	65	66.8	80.9	XX	XX
	Chloride (mg/L)	80.5	120	98.4	91.5	96.9	107	181	219	234	229
iche LA)	DTW (ft)	92.10	92.10	92.30	92.60	92.88	93.38	93.55	94.61	94.83	95.08
te (Abo Apa	Date	12/3/2004	3/1/2005	5/23/2005	8/10/2005	10/26/2005	1/24/2006	4/25/2006	10/9/2006	11/13/2006	12/4/2006
G-1 Leak Site (Abo Apache LA)	Well Name	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1

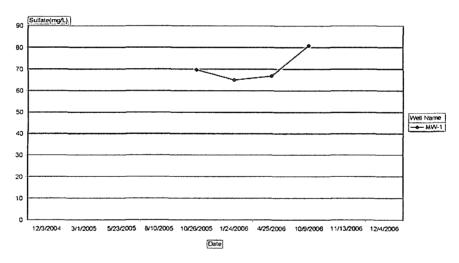
Site Name Abo Apache LA Leak

Chloride Over Time



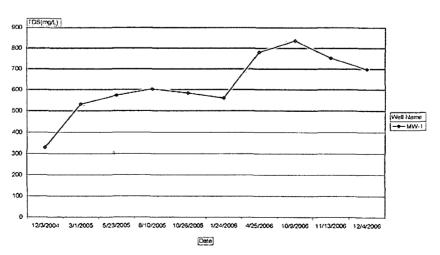
Site Name Abo Apache LA Leak

Sulfate Over Time

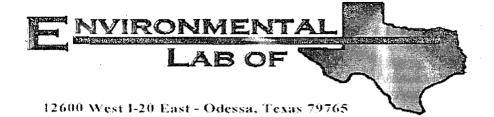


Site Name Abo Apache LA Leak

TDS Over Time



R.T. Hicks Consultants, Ltd.



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: ABO- Apache Leak
Project Number: None Given
Location: Lea County

Lab Order Number: 6A25020

Report Date: 02/01/06

Project: ABO- Apache Leak

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

Fax: (505) 397-1471

Reported: 02/01/06 10:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6A25020-01	Water	01/24/06 09:30	01/25/06 13:25

Project: ABO- Apache Leak

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

Fax: (505) 397-1471

Reported: 02/01/06 10:10

Organics by GC Environmental Lab of Texas

Al-a-	D. I	Reporting	******			,			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6A25020-01) Water									
Benzene	ND	0.00100	mg/L	1	EA62618	01/26/06	01/27/06	EPA 8021B	
Toluene	ND	0.00100	"		"	n	n	n	
Ethylbenzene	ND	0.00100	ч		"	11	,,	**	
Xylene (p/m)	ND	0.00100	ч	"	**	. "	n	н	
Xylene (o)	ND	0.00100	н	"	11	u	н .	"	
Surrogate: a.a.a-Trifluorotoluene		89.2 %	80-120)	"	п	"	ı	
Surrogate: 4-Bromofluorobenzene		80.8 %	80-120	9		"	"	"	

Project: ABO- Apache Leak

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

Fax: (505) 397-1471

Reported: 02/01/06 10:10

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

Analyte Monitor Well #1 (6A25020-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Alkalinity	152	2.00	mg/L	I	EA62406	01/26/06	01/26/06	EPA 310,1M	
Chloride	107	5.00	n	10	EA63004	01/30/06	01/30/06	EPA 300.0	
Total Dissolved Solids	560	5.00	Ü	1	EA63003	01/26/06	01/27/06	EPA 160.1	
Sulfate	65.0	5.00	"	10	EA63004	01/30/06	01/30/06	EPA 300.0	

Project: ABO- Apache Leak

Fax: (505) 397-1471

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

Reported: 02/01/06 10:10

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6A25020-01) Water									
Calcium	98.2	0.100	mg/L	10	EA62615	01/26/06	01/26/06	EPA 6010B	
Magnesium	14.3	0.0100	**	H	n	**	п	H.	
Potassium	3.79	0.0500	"	1	n	n	и	le:	
Sodium	39.9	0.100	b	10	n	*	n	H.	

Project: ABO- Apache Leak

Fax: (505) 397-1471

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

Reported: 02/01/06 10:10

Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EA62618 - EPA 5030C (GC)										
Blank (EA62618-BLK1)				Prepared: 0)1/26/06 Aı	nalyzed: 01	/27/06			
Benzene -	ND	0.00100	mg/L							
Toluene	ND	0.00100	. "							
Ethylbenzene	ND	0.00100	n				*			
Xylene (p/m)	ND	0.00100	**							
Xylene (o)	ND	0.00100	11							
Surrogate: a,a,a-Trifluorotoluene	38.5		ug/l	40.0		96.2	80-120			
Surrogate: 4-Bromofluorobenzene	42.4		"	40.0		106	80-120			٠
LCS (EA62618-BS1)				Prepared: 0)1/26/06 Aı	nalyzed: 01	/27/06			
Benzene	0.0566	0.00100	mg/L	0.0500		113	80-120			
Toluene	0.0557	0.00100	,,	0.0500		111	80-120			
Ethylbenzene	0.0547	0.00100	"	0.0500		109	80-120			
Xylene (p/m)	0.102	0.00100	11	0.100		102	80-120			
Xylene (o)	0.0538	0.00100	н	0.0500		108	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.2		ug/l	40.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	32.8		"	40.0		82.0	80-120			
Calibration Check (EA62618-CCV1)				Prepared: 0	1/26/06 Ar	nalyzed: 01	/28/06			
Benzene	51.3		ug/l	50.0		103	80-120			
Toluene	52.5		ь	50.0		105	80-120			
Ethylbenzene	54.5		n	50.0		109	80-120			
Xylene (p/m)	101		. "	100		101	80-120			
Xylene (o)	55.6		11	50,0		111	80-120			
Surrogate: a,a,a-Trifluorotoluene	34.3		n	40.0		85.8	80-120			
Surrogate: 4-Bromofluorobenzene	39.5		H	40.0		98.8	80-120			
Matrix Spike (EA62618-MS1)	Sou	ırce: 6A24010-	01	Prepared: 0)1/26/06 Ar	nalyzed: 01	/27/06			
Benzene	0.0559	0.00100	mg/L	0.0500	ND	112	80-120			
Foluene	0.0548	0.00100	11	0.0500	ND	110	80-120			
Ethylbenzene	0.0515	0.00100	10	0.0500	ND	103	80-120			
Xylene (p/m)	0.0835	0.00100	R	0.100	ND	83.5	80-120			
Xylene (o)	0.0512	0.00100		0.0500	ND	102	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.5		ug/l	40.0		93.8	80-120			
Surrogate: 4-Bromofluorobenzene	34.3		"	40.0		85.8	80-120			

Project: ABO- Apache Leak

Fax: (505) 397-1471

Reported: 02/01/06 10:10

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
	Kesur	- Binik	- Cints	20.00		7 010 50	Limito	10 2		
Batch EA62618 - EPA 5030C (GC)		•								
Matrix Spike Dup (EA62618-MSDI)	Sour	rce: 6A24010-	01	Prepared: 0	1/26/06 A	nalyzed: 01	/28/06			
Benzene	0.0482	0.00100	mg/L	0.0500	ND	96.4	80-120	15.0	20	
Toluene	0.0484	0.00100	19	0.0500	ND	96.8	80-120	12.8	20	
Ethylbenzene	0.0456	0.00100	**	0.0500	ND	91.2	80-120	12.2	20	
Xylene (p/m)	0.0841	0.00100	`н	0.100	ND	84.I	80-120	0.716	20	
Xylene (o)	0.0448	0.00100		0.0500	ND	89.6	80-120	12.9	20	
Surrogate: a,a,a-Trifluorotoluene	33.0		ug/l	40.0		82.5	80-120			
Surrogate: 4-Bromofluorobenzene	32.4		"	40.0		81.0	80-120			

Project: ABO- Apache Leak

Fax: (505) 397-1471

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

Reported: 02/01/06 10:10

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 EA62406 - General Preparatio	n (WetChem)	·								
Blank (EA62406-BLK1)				Prepared &	Analyzed:	01/26/06				
Total Alkalinity	ND	2.00	mg/L							
LCS (EA62406-BS1)				Prepared &	: Analyzed:	01/26/06				
Bicarbonate Alkalinity	220		mg/L	200		110	85-115			
Duplicate (EA62406-DUP1)	Sour	ce: 6A19005-	-01	Prepared &	Analyzed:	01/26/06				
Total Alkalinity	258	2.00	mg/L		256			0.778	20	
Reference (EA62406-SRM1)				Prepared &	: Analyzed:	01/26/06				
Total Alkalinity	97.0		mg/L	100		97.0	90-110	~ `		
Batch EA63003 - General Preparatio			mg/L)1/26/06 Ai					·
•		5.00	mg/L mg/L		01/26/06 Ai					
Batch EA63003 - General Preparatio Blank (EA63003-BLK1) Total Dissolved Solids	n (WetChem)	5.00 ce: 6A25018-	mg/L	Prepared: 0	01/26/06 Ai	nalyzed; 01	/27/06			·
Batch EA63003 - General Preparatio Blank (EA63003-BLKI)	n (WetChem)		mg/L	Prepared: 0		nalyzed; 01	/27/06	2.93	5	
Batch EA63003 - General Preparatio Blank (EA63003-BLKI) Total Dissolved Solids Duplicate (EA63003-DUPI)	ND Sour	ce: 6A25018-	mg/L	Prepared: 0)1/26/06 Aı	nalyzed; 01	/27/06	2.93	5	
Batch EA63003 - General Preparation Blank (EA63003-BLK1) Total Dissolved Solids Duplicate (EA63003-DUP1) Total Dissolved Solids	ND Sour	ce: 6A25018-	mg/L	Prepared: 0	01/26/06 Ai 2080	nalyzed: 01 nalyzed: 01	/27/06	2.93	5	
Batch EA63003 - General Preparatio Blank (EA63003-BLK1) Total Dissolved Solids Duplicate (EA63003-DUP1) Total Dissolved Solids Batch EA63004 - General Preparatio	ND Sour	ce: 6A25018-	mg/L	Prepared: 0	01/26/06 Ai 2080	nalyzed: 01 nalyzed: 01	/27/06	2.93	5	
Batch EA63003 - General Preparation Blank (EA63003-BLKI) Total Dissolved Solids Duplicate (EA63003-DUP1) Total Dissolved Solids Batch EA63004 - General Preparation Blank (EA63004-BLKI)	n (WetChem) ND Sour 2020 n (WetChem)	5.00	mg/L 01 mg/L	Prepared: 0	01/26/06 Ai 2080	nalyzed: 01 nalyzed: 01	/27/06	2.93	5	
Batch EA63003 - General Preparation Blank (EA63003-BLKI) Total Dissolved Solids Duplicate (EA63003-DUPI) Total Dissolved Solids Batch EA63004 - General Preparation Blank (EA63004-BLKI)	n (WetChem) ND Sour 2020 n (WetChem)	5.00 0.500	mg/L 01 mg/L	Prepared: 0	01/26/06 Ar 2080 : Analyzed:	nalyzed: 01 nalyzed: 01 01/30/06	/27/06	2.93	5	
Batch EA63003 - General Preparation Blank (EA63003-BLK1) Total Dissolved Solids Duplicate (EA63003-DUP1) Total Dissolved Solids Batch EA63004 - General Preparation Blank (EA63004-BLK1) Sulfate Chloride	n (WetChem) ND Sour 2020 n (WetChem)	5.00 0.500	mg/L 01 mg/L	Prepared: 0 Prepared: 0 Prepared &	01/26/06 Ar 2080 : Analyzed:	nalyzed: 01 nalyzed: 01 01/30/06	/27/06	2.93	5	

Project: ABO- Apache Leak

Fax: (505) 397-1471

122 W. Taylor

Project Number: None Given

Reported:

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

02/01/06 10:10

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
Patch E 4 (2004 C P	diam (WatCham)									

Batch EA63004 - General Preparation (V	VetChem)			٠				
Calibration Check (EA63004-CCV1)			Prepared & Ana	llyzed: 01/30/06				
Sulfate	9.82	mg/L	10.0	98.2	80-120			
Chloride	8.64	II.	10.0	86.4	80-120			
Duplicate (EA63004-DUP1)	Source	e: 6A25018-01	Prepared & Ana	lyzed: 01/30/06				
Sulfate	84.4	25.0 mg/L	8	8.2		4.40	20	
Chloride	870	25.0 "	S	886		0.793	20	

Project: ABO- Apache Leak

Fax: (505) 397-1471

122 W. Taylor

Project Number: None Given

Reported: 02/01/06 10:10

Hobbs NM, 88240 Project Manager: Kristin Farris-Pope

Total Metals 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

*		, topioning		Spine	00		,			
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EA62615 - 6010B/No Digestion			***				***			
Blank (EA62615-BLK1)				Prepared &	& Analyzed	01/26/06				
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	19							
Potassium	ND	0.0500		÷						
Sodium	ND .	0.0100	n							
Calibration Check (EA62615-CCV1)				Prepared &	& Analyzed	01/26/06				
Calcium	2.12		mg/L	2.00		106	85-115			
Magnesium	1.99		**	2.00		99.5	85-115			
Potassium	1.88		"	2.00		94.0	85-115			
Sodium	1.94		Ħ	2.00		97.0	85-115			
Duplicate (EA62615-DUP1)	Sou	rce: 6A19005-	-01	Prepared &	k Analyzed	01/26/06				
Calcium	224	0.500	mg/L		222			0.897	20	
Magnesium	115	0.0500	n		120			4.26	20	
Potassium	14.6	0.500	ь		15.2			4.03	20	
Sodium	306	0.500	n		313			2.26	20	

Rice Operating Co.Project:ABO- Apache LeakFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope02/01/06 10:10

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting lim
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

	Kaland KJulia		
Report Approved By:	Road and the	Date:	2/1/2006

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

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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

12600 West I-20 East Odessa, Texas 79765

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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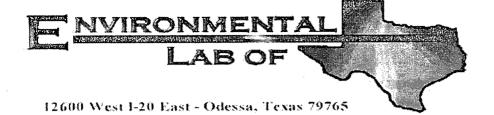
Section 1

Project Name: ABO Apache Leak	Project #:	Project Loc: Lea County	PO#:			Analyze For:	TOLP:		HCO3)	E.1 8015M 1 Cc, Mg, Na, K N, SC4, CC3, P, CEC s Ag Be Cd Cl ales	Soil Other (s) TPH: 418 Cathors (r) SAR / ES Matales: A Volatiles Semivola BTEX 80 RCI RCI R.O.R.M.	×					Sample Containers Intact? Labels on container?	Temperature Upon Receipt:	Time Laboratory Comments: 100+ fro 22		Time 17.2 2/2/	Selfor State of the self-self-self-self-self-self-self-self-
pe kpriceswd@valomet.com	Сотрапу	Street	sxico 88240	Fax No: (505) 397-1471	on (505) 63/1-9310		ilei.coliii ()	Preservative A		belqmes Sempled Containers Containers Containers	Date 5 Hot Ø Hot Ø Hot Ø Hot Ø	1/24/2006 9:30 3 X 2 1 X					il RESULTS TO: kpriceswd@valornet.com & mfranks@riceswd.com		Date Time Received by: Date	6 1:25	Date Time Received by ELOT: Date Control of the c	The way of the second of the s
Project Manager: Kristin Farris Pope	Company Name RICE Operating Company	Company Address: 122 W. Taylor Street	city/State/Zip: Hobbs, New Mexico 88240	Telephone No: (505) 393-9174	Sampler Signature: Rozanne Johnson (505) 63/		Email: 10Zarille(@Yaluirlet.com				LAB# (life use only)	→ ○ Monitor Well #1				をおなるので、この人が	Special Instructions: PLEASE Email RESULTS		Relinguished by: Da	Bozanne Johnspil	Relinquished by Da	

TAT bisbnat2 ×

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

Dirent: RICE OF,				
Date/Time: 1/25/06 13:26				
Date/Time: 125/06 13:26				
Order #: VA15020				
Older F. The Aller of the Control of				
A De				
Initials: UL				
			·	
Sample Receipt			 .	
Temperature of container/cooler?	Y≘s	10	-2.5 C	
Shipping container/cooler in good condition?	Yes	No 1	A 1 - 1	
Custody Seals intact on shipping container/cooler?	1 255 1	No I	Not present	
Custody Seals intact on sample bottles? Chain of custody present?	¥ 5 1	No !	Not present (
Sample Instructions complete on Chain of Custody?	XES XES	No !		
Chain of Custody signed when relinquished and received?	Xes	No		
Chain of custody agrees with sample label(s).	¥es	No		
Container labels legible and intact?	755	No		
Sample Matrix and properties same as on chain of custody?	.¥€5	No		
Samples in proper container/bottle?	Vē5	No		
Samples properly preserved?	¥35 1	No		•
Sample bottles infact?	¥3%	No		
Preservations documented on Chain of Custody?	X5 5	No		
Containers decumented on Chain of Custody?	र हिन्दु	No		
Sufficient sample amount for indicated test?	<u> </u>	No		
All samples received within sufficient hold time?	YES	No		
VOC samples have zero headspace?	<u> </u>	No	Not Applicable 1	
Other observations:	<u>, , , , , , , , , , , , , , , , , , , </u>			
				·
				,
Variance Docu	mentatio	on:		,
Variance Docu Contact Person: - Date/Time			Contacted by:	,
Contact Person: Date/Time:			Contacted by: _	,
			Contacted by: _	,
Contact Person: Date/Time:			Contacted by: _	
Contact Person: Date/Time:			Contacted by: _	
Contact Person: Date/Time: Regarding:			Contacted by: _	,
Contact Person: Date/Time: Regarding:			Contacted by:	
Contact Person: Date/Time: Regarding:			Contacted by: _	
Contact Person: Date/Time: Regarding:			Contacted by: _	
Contact Person: Date/Time: Regarding:			Contacted by: _	
Contact Person: Date/Time: Regarding: Corrective Action Taken: Date/Time:			Contacted by:	
Contact Person: Date/Time: Regarding: Corrective Action Taken: Date/Time:			Contacted by:	
Contact Person: Date/Time: Regarding: Corrective Action Taken: Date/Time:			Contacted by: _	
Contact Person: Date/Time: Regarding: Corrective Action Taken: Date/Time:			Contacted by: _	
Contact Person: Date/Time: Regarding: Corrective Action Taken: Date/Time:			Contacted by:	



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: ABO-Apache LA Leak Site
Project Number: None Given
Location: Lea County

Lab Order Number: 6D27013

Report Date: 05/04/06

Project: ABO-Apache LA Leak Site

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

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

Reported: 05/04/06 15:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6D27013-01	Water	04/25/06 14:30	04/27/06 10:30

Project: ABO-Apache LA Leak Site

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

Fax: (505) 397-1471

Reported: 05/04/06 15:30

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6D27013-01) Water	***	***************************************							
Benzene	ND	0.00100	mg/L	1	ED62807	04/28/06	05/01/06	EPA 8021B	
Toluene	ND	0.00100	11	*	н	п	#	**	
Ethylbenzene	ND	0.00100	и .	"	"	II	н	. 4	
Xylene (p/m)	ND	0.00100	n	11	11	н	0		
Xylene (o)	ND	0.00100	и	"	**	**	"	**	
Surrogate: a.a,a-Trifluorotoluene		97.2 %	80-12	0.	n	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	80-12	0	"	"	"	"	

Project: ABO-Apache LA Leak Site

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

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

05/04/06 15:30

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

Analyte Monitor Well #1 (6D27013-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Alkalinity	130	2.00	mg/L	1	EE60301	05/03/06	05/03/06	EPA 310,1M	
Chloride	181	5.00	U	10	EE60116	05/01/06	05/01/06	EPA 300.0	
Total Dissolved Solids	780	5.00		1	EE60115	04/27/06	04/28/06	EPA 160.1	
Sulfate	66.8	5.00	**	10	EE60116	05/01/06	05/01/06	EPA 300.0	

Rice Operating Co. 122 W. Taylor

Hobbs NM, 88240

Project: ABO-Apache LA Leak Site

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

Fax: (505) 397-1471

Reported: 05/04/06 15:30

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte Monitor Well #1 (6D27013-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	121	0.500	mg/L	50	ED62719	04/27/06	04/27/06	EPA 6010B	
Magnesium	17.7	0.0100	"	10	"	•	"	н	
Potassium	2.39	0.500	"	и	"	n	*1	D.	
Sodium	55.1	0.100			п	**	,,	0	

Project: ABO-Apache LA Leak Site

Fax: (505) 397-1471

122 W. Taylor

Project Number: None Given

Reported: 05/04/06 15:30

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Organics by GC - Quality Control Environmental Lab of Texas

	n t	Reporting	*1	Spike	Source	0/DEC	%REC	D.DD	RPD	N 1
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch ED62807 - EPA 5030C (GC)		· · · · · · · · · · · · · · · · · · ·								
Blank (ED62807-BLK1)				Prepared: 0	4/28/06 A	nalyzed: 0	4/30/06			
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"			*				
Ethylbenzene	ND	0.00100	11							
Xylene (p/m)	ND	0.00100	41							
Xylene (o)	ND	0.00100	11							
Surrogate: a,a,a-Trifluorotoluene	42.7		ug/l	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	42.2		"	40.0		106	80-120			
LCS (ED62807-BS1)				Prepared: 0	4/28/06 A	nalyzed: 0	4/30/06			
Benzene	0.0599	0.00100	mg/L	0.0500		120	80-120			
Toluene	0.0580	0.00100	**	0.0500		116	80-120 -			
Ethylbenzene	0.0551	0.00100	**	0.0500		110	80-120			
Xylene (p/m)	0.120	0.00100	*	0.100		120	80-120			
Xylene (o)	0.0596	0.00100	**	0.0500		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	43.0		ug/l	40.0		108	80-120			
Surrogate: 4-Bromoftvorobenzene	42.2		n	40.0		106	80-120			
Calibration Check (ED62807-CCV1)				Prepared: 0	4/28/06 A	nalyzed: 0:	5/01/06			
Benzene	55.0		ug/l	50.0		110	80-120		~	
Toluene	53.0		**	50.0		106	80-120			
Ethylbenzene	55.9		"	50.0		112	80-120			
Xylene (p/m)	110		**	100		110	80-120			
Xylene (o)	55.9		**	50.0		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.0	•••	"	40.0		97.5	80-120			
Surrogate: 4-Bromofluorobenzene	39.1		"	40.0		97.8	80-120			
Matrix Spike (ED62807-MS1)	Sou	ırce: 6D27008-	01	Prepared: 0	4/28/06 A	nalyzed: 0:	5/01/06			
Benzene	0.0576	0.00100	mg/L	0.0500	ND	115	80-120			
Toluene	0.0568	0.00100	**	0.0500	ND	114	80-120			
Ethylbenzene	0.0587	0.00100	**	0.0500	ND	117	80-120			
Xylene (p/m)	0.120	0.00100	•	0.100	ND	120	80-120			
Xylene (o)	0.0600	0.00100	"	0.0500	ND	120	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.7		ug/l	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	47.5		"	40.0		119	80-120			

Project: ABO-Apache LA Leak Site

Fax: (505) 397-1471

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

Reported: 05/04/06 15:30

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 ED62807 - EPA 5030C (GC)										
Matrix Spike Dup (ED62807-MSD1)	Sour	rce: 6D27008-	01	Prepared: 0	04/28/06 A	nalyzed: 05	/01/06			
Benzene	0.0597	0.00100	mg/L	0.0500	ND	119	80-120	3.42	20	
Toluene	0.0579	0.00100	"	0.0500	ND	116	80-120	1.74	20	
Ethylbenzene	0.0585	0.00100	"	0.0500	ND	117	80-120	0.00	20	
Xylene (p/m)	0.120	0.00100	n	0.100	ND	120	80-120	0.00	20	
Xylene (o)	0.0598	0.00100	,,	0.0500	ND	120	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	43.5		ug/l	40.0		109	80-120		-	*****
Surrogate: 4-Bromofluorobenzene	46.4		"	40.0		116	80-120			

Project: 'ABO-Apache LA Leak Site

Fax: (505) 397-1471

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

Reported: 05/04/06 15:30

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 EE60115 - General Preparation (V	VetChem)									
Blank (EE60115-BLK1)				Prepared: (04/27/06 A	nalyzed: 04	/28/06			
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EE60115-DUP1)	Sou	rce: 6D27015-	01	Prepared: (04/27/06 A	nalyzed: 04	/28/06			
Total Dissolved Solids	3020	5.00	mg/L		3040			0.660	5	
Batch EE60116 - General Preparation (V	WetChem)									
Blank (EE60116-BLK1)				Prepared &	Analyzed:	05/01/06				
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EE60116-BS1)				Prepared &	Analyzed:	0,5/01/06	-			
Sulfate	9.47	0.500	mg/L	10.0		94.7	80-120			
Chloride	9.71	0.500	"	10.0		97.1	80-120			
Calibration Check (EE60116-CCV1)				Prepared &	z Analyzed:	05/01/06				
Chloride	9.86		mg/L	10.0	·	98.6	80-120			
Sulfate	8.11		"	10.0		81.1	80-120			
Duplicate (EE60116-DUP1)	Sou	rce: 6D27008-	-01	Prepared &	Analyzed:	05/01/06				
Sulfate	80.0	2,50	mg/L		79.2			1.01	20	
Chloride	49.3	2.50	**		49.0			0.610	20	
Batch EE60301 - General Preparation (V	WetChem)			**************************************						
Blank (EE60301-BLK1)				Prepared &	Analyzed:	05/03/06				
Total Alkalinity	ND	2.00	mg/L							

Project: ABO-Apache LA Leak Site

Name Circu

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

Fax: (505) 397-1471

Reported: 05/04/06 15:30

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 EE60301 - General Preparatio	n (WetChem)									
LCS (EE60301-BS1)				Prepared &	Analyzed:	05/03/06				
Bicarbonate Alkalinity	214		mg/L	200		107	85-115			
Duplicate (EE60301-DUP1)	Sour	ce: 6D26006-	01	Prepared &	Analyzed:	05/03/06				
Total Alkalinity	29.0	2.00	mg/L		28.0			3.51	20	
Reference (EE60301-SRM1)				Prepared &	Analyzed:	05/03/06				
Total Alkalinity	96.0		mg/L	100		96.0	90-110			

Project: ABO-Apache LA Leak Site

Fax: (505) 397-1471

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

Reported: 05/04/06 15:30

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 ED62719 - 6010B/No Digestion										
Blank (ED62719-BLK1)				Prepared &	: Analyzed:	04/27/06				
Calcium	ND	0.0100	mg/L				_			
Magnesium	ND	0.00100	n							-
Potassium	ND	0.0500	"							
Sodium	ND	0.010.0	"							
Calibration Check (ED62719-CCV1)				Prepared &	Analyzed:	04/27/06				
Calcium	2.08		mg/L				85-115			
Magnesium	2.16		"				85-115			
Potassium	1.94		11				85-115			
Sodium .	1.96		, "				85-115			
Duplicate (ED62719-DUP1)	Sou	rce: 6D26006-	01	Prepared &	Analyzed:	04/27/06				
Calcium	0,0366	0.0100	mg/L		0.0367			0.273	20	
Magnesium	ND	0.00100			ND				20	
Potassium	0.275	0.0500	10		0.275			0.00	20	
Sodium	13.0	0.100	"		12.1			7.17	20	

Rice Operating Co.Project:ABO-Apache LA Leak SiteFax: (505) 397-1471122 W. TaylorProject Number:None GivenReported:Hobbs NM, 88240Project Manager:Kristin Farris-Pope05/04/06 15:30

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

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.

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

12600 West I-20 East Odessa, Texas 79765

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Section 1

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Service Services

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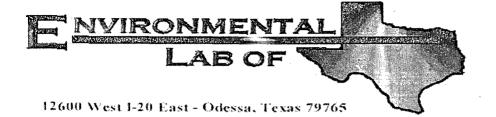
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				Fax No: (505) 397-1471		1/5			bəlqms2 əmiT	14:30										kpope@riceswd.com & mfranks@rfceswd.com		HEND-LOW	
kpope@riceswd.com					9310		All S		Dale Sampled	4/25/2006											Received by:	James Johnson	Received by ELOT:
	ompany	et	0 88240		(505) 631-9	com											1			I RESULTS	Time	00:7	Date Time C/(2.7ξ0 / (1.5 δ)
Project Manager: Kristin Farris Pope	Company Name RICE Operating Company	Company Address: 122 W. Taylor Street	city/State/Zip: Hobbs, New Mexico 88240	393-9174	Sampler Signature: Rozanne Johnson (505) 631-9310	Email: rozanne@valornet.com			FIELD CODE	#1										PLEASE Email RESULTS TO	Date	4/z1/04	
lanager: Kristi	y Name RICE	\ddress: 122 \	tate/Zip: Hobb	Telephone Na: (505) 393-9174	gnature: Roza	Email: rozar				Monitor Well #1										e			Ames sh
Project N	Сотрас	Company A	City/S	Teleph	Sampler Się				LAB# (Jabuse only)	10%										Special Instructions:	Remodpished ty:	Rozanne Johnson	telinquished by: Attre-Min. 3.1.
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Environmental Lab of Texas Variance / Corrective Action Report — Sample Log-In

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sterTime: 4/27/00 10:30	•			
ste/Time: 4/2/(00/10/50				
der#: 6027013				
ΛΛ.				
tials: UK				
Sample Receipt	Checkli	st		
mperature of container/cooler?	Yes	No	20 C	
ipping container/cooler in good condition?	YES	No		İ
stody Seals intaction shipping container/cooler?	SES.	No	Not present	j
stody Seals intact on sample bottles?) X35	No	Not present	
ain of custody present?	l Ves l	No		ļ
mple Instructions complete on Chain of Custody?	- 6	011		i
ain of Custody signed when relinquished and received?		No		1
ain of custody agrees with sample label(s)	¥€5,	No		Í
ntainer labels legible and intact?	Y 550	No		<u>:</u>
mple Matrix and properties same as on chain of custody?	Yes	No		<u>:</u>
moles in proper container/bottle?	Yes	No I	,	- !
rncies properly preserved?		No		<u>.</u> 1
mole bottles intact?	(E3)	No		1
eservations documented on Chain of Custody?	1 pes	No		- 1
ntainers documented on Chain or Custody?	75,	No		1
flicient sample amount for indicated test?	_ Rep	No		ì
samples received within sufficient hold time?	(G):	No		-
C samples have zero headspace?	1 (3)	No	Not Applicable	<u>.</u>
ther observations:				
Variance Docu	mentatio	on:		•
ontact Person: Date/Time:			Contacted by:	
_egarding:		,	,	
arrective Action Taken:				
2				



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: ABO- Apache Leak
Project Number: None Given
Location: Lea County

Lab Order Number: 6H18012

Report Date: 08/30/06

Project: ABO- Apache Leak

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	6H18012-01	Water	08/15/06 13:30	08-18-2006 10:20

Project: ABO- Apache Leak

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240 Project Number: None Given
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 (6H18012-01) Water	-								
Benzene	ND	0.00100	mg/L	1	EH62121	08/21/06	08/22/06	EPA 8021B	
Toluene	NĐ	0.00100	n	11	,,	14	"	,,	
Ethylbenzene	ND	0.00100	н	0		и	"	**	
Xylene (p/m)	ND	0.00100	*	"	я		**		
Xylene (o)	ND	0.00100	n	n	н	н	#	,,	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-12	0	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	80-12	0	"	"	"	4	

Project: ABO- Apache Leak

122 W. Taylor

Project Number: None Given

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 (6H18012-01) Water									
Total Alkalinity	180	2.00	mg/L	1	EH62128	08/21/06	08/21/06	EPA 310.1M	
Chloride	228	5.00	**	10	ЕН62101	08/21/06	08/21/06	EPA 300.0	
Total Dissolved Solids	756	10.0	0	1	EH62303	08/18/06	08/22/06	EPA 160.1	
Sulfate	91.5	5.00	"	10	EH62101	08/21/06	08/21/06	EPA 300.0	

Project: ABO- Apache Leak

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 Monitor Well #1 (6H18012-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	132	4.05	mg/L	50	EH62313	08/23/06	08/23/06	EPA 6010B	
Magnesium	19.3	0.360	0	10	li .	**	B	H	
Potassium	2.32	0.600		н	. "	77	11	н	
Sodium	53.3	0.430	н	*	н	**	н	и	

Fax: (505) 397-1471

Project: ABO- Apache Leak

122 W. Taylor

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

Fax: (505) 397-1471

Hobbs NM, 88240 Project M

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch EH62121 - EPA 5030C (GC)	resun	Z.mn									
	·			D 1 2	00/01/02	nol 1 00	van inc				
Blank (EH62121-BLK1)				Prepared: (08/21/06 A	nalyzed: 08	1/2/106				
Benzene	ND	0.00100	mg/L								
Toluene	ND	0.00100									
Ethylbenzene	ND	0.00100									
Xylene (p/m)	ND -	0.00100									
Xylene (o)	ND	0.00100	"								
Surrogate: a,a,a-Trifluorotoluene	40.3		ug/l	40.0		101	80-120			_	
Surrogate: 4-Bromofluorobenzene	36.7		n	40.0		91.8	80-120				
LCS (EH62121-BS1)	Prepared & Analyzed: 08/21/06										
Benzene	0,0460	0.00100	mg/L	0.0500		92.0	80-120				
Toluene	0.0503	0.00100	**	0.0500		101	80-120				
Ethylbenzene	0.0463	0.00100	*1	0.0500		92.6	80-120				
Xylene (p/m)	0.113	0.00100	"	0.100		113	80-120				
Xylene (o)	0.0565	0.00100	"	0.0500		113	80-120				
Surrogate: a,a,a-Trifluorotoluenc	39.7		ug/l	40.0		99.2	80-120	· · · · · · · · · · · · · · · · · · ·			
Surrogate: 4-Bromofluorobenzene	45.0		"	40.0		112	80-120				
Calibration Check (EH62121-CCVI)				Prepared: ()8/21/06 A	nalyzed: 08	3/22/06				
Benzene	48.7		ug/ì	50.0		97.4	80-120				
Toluene	52.3		n	50.0		105	80-120				
Ethylbenzene	57.3		**	50.0		115	80-120				
Xylene (p/m)	114		**	100		114	80-120				
Xylene (o)	57.6		"	50.0		115	80-120				
Surrogate: a,a,a-Trifluorotoluene	44.7		п .	40.0		112	80-120				
Surrogate: 4-Bromofluorobenzene	38.3		"	40.0		95.8	80-120				
Matrix Spike (EH62121-MS1)	Soi	ırce: 6H18007-	-01	Prepared: 0)8/21/06 A	nalyzed: 08	3/22/06				
Benzene	0.0464	0.00100	mg/L	0,0500	ND	92.8	80-120			***************************************	
Toluene	0.0550	0.00100	"	0.0500	ND	110	80-120				
Ethylbenzene	0.0554	0.00100	ü	0.0500	ND	111	80-120				
Xylene (p/m)	0.117	0.00100		0.100	ND	117	80-120				
Xylene (o)	0,0575	0.00100	11	0.0500	ND	115	80-120				
Surrogate: a,a,a-Trifluorotoluene	41.8		ug/l	40.0		104	80-120				
Surrogate: 4-Bromofluorobenzene	46.5		"	40.0		116	80-120				

Surrogate: 4-Bromofluorobenzene

Project: ABO- Apache Leak

122 W. Taylor

Project Number: None Given

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH62121 - EPA 5030C (GC)										
Matrix Spike Dup (EH62121-MSD1)	Sou	Prepared: (08/21/06 A	nalyzed: 08	3/22/06					
Benzene	0.0473	0.00100	mg/L	0.0500	ND	94.6	80-120	1.92	20	
Toluene	0.0535	0.00100	n	0.0500	ND	107	80-120	2.76	20	
Ethylbenzene	0.0549	0.00100	μ	0.0500	ND	110	80-120	0.905	20	
Xylene (p/m)	0.120	0.00100	,	0.100	ND	120	80-120	2.53	20	
Xylene (o)	0.0583	0.00100	"	0.0500	ND	117	80-120	1.72	20	
Surrogate: a,a,a-Trifluorotoluene	42.9		ug/l	40.0		107	80-120			

40.0

46.4

116

80-120

Project: ABO- Apache Leak

122 W. Taylor

Project Number: None Given

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EH62101 - General Preparation (WetChem)						· · · ·			
Blank (EH62101-BLK1)				Prepared &	Analyzed:	08/21/06				
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	н							
LCS (EH62101-BS1)				Prepared &	z Analyzed:	08/21/06				
Sulfate	8.51	0.500	mg/L	10.0		85.1	80-120			
Chloride	10.0	0.500	н	10.0		100	80-120			
Calibration Check (EH62101-CCV1)				Prepared &	k Analyzed:	08/21/06				
Sulfate	8.34		mg/L	10.0		83.4	80-120			
Chloride	10.2		**	10.0		102	80-120			
Duplicate (EH62101-DUP!)	Source: 6H18007-01 Prepared & Analyzed: 08/21									
Sulfate	76.3	5,00	mg/L		65.9			14.6	20	
Chloride	105	5.00	"		98.9			5.98	20	
Duplicate (EH62101-DUP2)	Sou	rce: 6H18013-	-04	Prepared &	k Analyzed:	08/21/06				
Sulfate	331	5.00	mg/L		336			1.50	20	
Chloride	138	5.00	**		136			1.46	20	
Matrix Spike (EH62101-MS1)	Sou	rce: 6H18007-	-01	Prepared &	k Analyzed:	08/21/06				
Sulfate	172	5.00	mg/L	100	65.9	106	80-120			
Chloride	210	5.00	**	100	98.9	111	80-120			
Matrix Spike (EH62101-MS2)	Sou	Source: 6H18013-04			Prepared & Analyzed: 08/21/06					
Sulfate	422	5.00	mg/L	100	336	86.0	80-120			
Chloride	224	5.00		100	136	88.0	80-120			

Project: ABO- Apache Leak

122 W. Taylor Hobbs NM, 88240

Project Number: None Given Project Manager: Kristin Farris-Pope Fax: (505) 397-1471

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH62128 - General Preparation	n (WetChem)									
Blank (EH62128-BLK1)				Prepared &	Analyzed:	08/21/06				
Total Alkalinity	ND	2.00	mg/L							
LCS (EH62128-BS1)				Prepared &	Analyzed:	08/21/06				
Total Alkalinity	178		mg/L	200		89.0	85-115			
Duplicate (EH62128-DUP1)	Sour	rce: 6H18007-	-01	Prepared &	Analyzed:	08/21/06				
Total Alkalinity	186	2.00	mg/L		186			0.00	20	
Reference (EH62128-SRM1)				Prepared &	z Analyzed:	08/21/06				
Total Alkalinity	248		mg/L	250		99.2	90-110			
Batch EH62303 - Filtration Preparati	on									
Blank (EH62303-BLK1)				Prepared: (08/18/06 A	nalyzed: 08	3/22/06			
Total Dissolved Solids	ND	10.0	mg/L	_						
Duplicate (EH62303-DUP1)	Sour	rce: 6H18007-	-01	Prepared: (08/18/06 A	nalyzed: 08	3/22/06			•
Total Dissolved Solids	556	10.0	mg/L		526			5.55	5	R
Duplicate (EH62303-DUP2)	Sour	те: 6Н18013-	-04	Prepared: (08/18/06 A	nalyzed: 08	3/28/06			R
Total Dissolved Solids	878	10.0	mg/L		930			5.75	5	

Project: ABO- Apache Leak

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH62313 - 6010B/No Digestion			,							
Blank (EH62313-BLK1)				Prepared &	Analyzed	08/23/06				2
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	н							
Potassium	ND	0.0600	n							
Sodium	ND	0.0430	н							
Calibration Check (EH62313-CCV1)				Prepared &	Analyzed	08/23/06				
Calcium	1.96		mg/L	2.00		98.0	85-115			
Magnesium	2.01		**	2.00		100	85-115			
Potassium	1.76		•	2.00		88.0	85-115			
Sodium	1.96			2.00		98.0	85-115			
Duplicate (EH62313-DUP1)	Sou	rce: 6H15005-	04	Prepared &	Analyzed	08/23/06				
Calcium	44.4	0.810	mg/L		45.9			3.32	20	
Magnesium	48.1	0.360	н		49.3			2.46	20	
Potassium	42.9	0.600	"		42.6			0.702	20	
Sodium	44,4	0.430			43.5			2.05	20	

Rice Operating Co.

Project: ABO- Apache Leak
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope

Notes and Definitions

R5	RPD is outside of historic values
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD .	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

	Raland KJul		
Report Approved By:	Lacar C Ross	Date:	8/30/2006

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

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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

12600 West I-20 East Odessa, Texas 79765

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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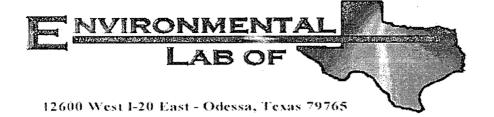
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Project Manager: Kristin Farris Pope	company Name, RICE Operating Company	Company Address: 122 W. Taylor Street	city/state/zip: Hobbs, New Mexico 88240	Telephone No: (505) 393-9174	Sampler Signature: Rozanne Johnson (505) 631-9310	•						 33								ons:		1/4	1	CIE
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Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Date/ Time: 8/18/00 10:20				
ab ID#: 6H(80(2_				
nitials:				
	4.01 1.11			
Sample Receip	it Checklist		Client	laitials
1 Temperature of container/ cooler?	Yes	No	4.0 °C	
2 Shipping container in good condition?	Xes	No		
3 Custody Seals intact on shipping container/ cooler?	XES	No	Not Present	
4 Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
5 Chain of Custody present?	Yes	No		
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	
Ontainer label(s) legible and intact?	Yes	No	Not Applicable	
10 Sample matrix/ properties agree with Chain of Custody?	Xes	No		
11 Containers supplied by ELOT?	Yes	No		
12 Samples in proper container/ bottle?	Yeş	No	See Below	
13 Samples properly preserved?	Yes	No	See Below	
14 Sample bottles intact?	Xes	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 Doc	umentation			
contact: Contacted by:		_	Date/ Time:	·
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orrective Action Taken:				
heck all that Apply: See attached e-mail/ fax Client understands and wo	ould like to proc	ceed with	analysis	
Cooling process had begun				



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: ABO- Apache Leak

Project Number: None Given

Location: T19S-R36E- Sect1G. Lea County, NM

Lab Order Number: 6I13001

Report Date: 09/19/06

Project: ABO- Apache Leak

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	6113001-01	Water	09/12/06 17:07	09-13-2006 07:50

Project: ABO- Apache Leak

122 W. Taylor

Hobbs NM, 88240

Project Number: None Given
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 (6113001-01) Water							·	****	· · · · · · · · · · · · · · · · · · ·
Benzene	ND	0.00100	mg/L	I	E161318	09/13/06	09/14/06	EPA 8021B	
Toluene	ND	0.00100	,,	"	μ	11	и	n	
Ethylbenzene	ND	0.00100	n	"	и	н	11	n	
Xylene (p/m)	ND	0.00100		"	tr	H	**	**	
Xylene (o)	ND	0.00100	n	u	**	н	11		
Surrogate: a,a,a-Trifluorotoluene		96.5 %	80-	120	"	"	"	n .	
Surrogate: 4-Bromofluorobenzene		84.0 %	80-	120	"	"	"	"	

Project: ABO- Apache Leak

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 (6113001-01) Water									
Total Alkalinity	178	2.00	mg/L	1	E161412	09/14/06	09/14/06	EPA 310.1M	-
Chloride	221	5.00	**	10	EI61815	09/15/06	09/19/06	EPA 300.0	
Total Dissolved Solids	788	10.0	и.	1	E161502	09/13/06	09/14/06	EPA 160.1	•
Sulfate	80.7	5.00	н	10	E161815	09/15/06	09/19/06	EPA 300.0	

Project: ABO- Apache Leak

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 (6113001-01) Water									
Calcium	128	4.05	mg/L	50	E161402	09/14/06	09/14/06	EPA 6010B	
Magnesium	20.9	0.360	"	10	0	*	11	D	
Potassium	2.79	0.600	D.	"	**	*	II.	"	
Sodium	59.9	0.430	**	"		**	n	п	

Project: ABO- Apache Leak

122 W. Taylor

Project Number: None Given

Hobbs NM, 88240

Project Manager Kristin Farris-Pope

Organics by GC - Quality Control Environmental Lab of Texas

Anatha	D	Reporting	United	Spike	Source	9/DEC	%REC	ppr	RPD Limit	Note-
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch E161318 - EPA 5030C (GC)										
Blank (EI61318-BŁK1)				Prepared: 0	9/13/06 A	nalyzed: 09	/15/06			
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	31							
Ethylbenzene	ND	0.00100	и							
Xylene (p/m)	ND	0.00100	н							
Xylene (o)	ND	0.00100								
Surrogate: a,a,a-Trifluorotoluene	39.4		ug/l	40.0		98.5	80-120			
Surrogate: 4-Bromofluorobenzene	32.5		ıı	40.0		81.2	80-120			
LCS (E161318-BS1)				Prepared: 0	9/13/06 A	nalyzed: 09	/14/06			
Benzene	0.0559	0,00100	mg/L	0.0500		112	80-120			
Toluene	0.0461	0.00100	n	0.0500		92.2	80-120			
Ethylbenzene	0.0435	0.00100	**	0.0500		87.0	80-120			
Xylene (p/m)	0.0992	0.00100		0.100		99.2	80-120			
Xylene (o)	0.0509	0.00100	н	0.0500		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	41.8		ug/l	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	40.6		"	40.0		102	80-120			
Calibration Check (EI61318-CCV1)				Prepared: 0	9/13/06 A	nalyzed: 09	7/14/06			
Benzene	0.0490		mg/L	0.0500		98.0	80-120			
Toluene	0.0438		**	0.0500		87.6	80-120			
Ethylbenzene	0.0442		31	0.0500		88.4	80-120			
Xylene (p/m)	0.0890		11	0.100	,	89.0	80-120			
Xylene (o)	0.0437		**	0.0500		87.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.8		ug/l	40.0		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	33.5		"	40.0		83.8	80-120			
Matrix Spike (EI61318-MS1)	Sou	ırce: 6113001-0	01	Prepared: (9/13/06 A	nalyzed: 09	9/15/06			
Benzene	0.0544	0,00100	mg/L	0.0500	ND	109	80-120			
Toluene	0.0466	0.00100	"	0.0500	ND	93.2	80-120			
Ethylbenzene	0.0476	0.00100	#1	0.0500	ND	95.2	80-120			
Xylene (p/m)	0.101	0.00100	11	0.100	ND	101	80-120			
Xylene (o)	0.0509	0.00100	**	0.0500	ND	102	80-120			
Surrogate: a,a,a-Trifluorotoluene	38.4		ug/l	40.0		96.0	80-120			
Surrogate: 4-Bromofluorohenzene	38.7		11	40.0		96.8	80-120			

Project: ABO- Apache Leak

122 W. Taylor

Project Number: None Given

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Organics by GC - Quality Control Environmental Lab of Texas

·		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch E161318 - EPA 5030C (GC)

Matrix Spike Dup (E161318-MSD1)	Source: 6113001-01			Prepared: 09/13/06 Analyzed: 09/15/06					
Benzene	0.0551	0.00100	mg/L	0.0500	ND	110	80-120	0.913	20
Toluene	0.0451	0.00100	"	0.0500	ND	90.2	80-120	3.27	20
Ethylbenzene	0.0452	0.00100	"	0.0500	ND	90.4	80-120	5.17	20
Xylene (p/m)	0.0940	0.00100		0.100	ND	94.0	80-120	7.18	20
Xylene (o)	0.0492	0.00100		0.0500	ND	98.4	80-120	3.59	20
Surrogate: a,a,a-Trifluorotoluene	38.2		ug/l	40.0		95.5	80-120		
Surrogate: 4-Bromofluorohenzene	39.5		"	40.0		98.8	80-120		

Project: ABO- Apache Leak

Fax: (505) 397-1471

122 W. Taylor

Project Number: None Given

Project Manager: Kristin Farris-Pope

Hobbs NM, 88240

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 El61412 - General Preparatio	on (WetChem)									
Blank (EI61412-BLK1)				Prepared &	& Analyzed:	09/14/06				
Total Alkalinity	ND	2.00	mg/L							
LCS (E161412-BS1)				Prepared &	de Analyzed:	09/14/06				
Total Alkalinity	190	2.00	mg/L	200		95.0	85-115			
Duplicate (E161412-DUP1)	Sour	ce: 6I11006-0)1	Prepared &	analyzed:	09/14/06				
Total Alkalinity	192	2.00	mg/L		194			1.04	20	
Reference (EI61412-SRM1)				Prepared &	k Analyzed:	09/14/06				
Total Alkalinity	244		mg/L	250		97.6	90-110			
Batch El61502 - Filtration Preparat	ion									
Blank (EI61502-BLK1)				Prepared: (09/13/06 A	nalyzed: 09	/14/06			
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (E161502-DUP1)	Sour	ce: 6113001-)1	Prepared: (09/13/06 A	nalyzed: 09	/14/06			
Total Dissolved Solids	808	10.0	mg/L		788			2.51	5	
Duplicate (E161502-DUP2)	Sour	ce: 6113003-	02	Prepared: (09/13/06 A	nalyzed: 09	/15/06			
Total Dissolved Solids	918	10.0	mg/L		2890			104	5	•
Batch El61815 - General Preparatio	on (WetChem)									
Blank (E161815-BLK1)			^	Prepared: (09/15/06 A	nalyzed: 09	0/19/06			
Chloride	ND	0.500	mg/L							
Cinoriae	ND									

· Project: ABO- Apache Leak

Project Number: None Given

Fax: (505) 397-1471

122 W. Taylor 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 E161815 - General Preparation (V	VetChem)									
LCS (E161815-BS1)				Prepared: 0)9/15/06 A	nalyzed: 09)/19/06			
Sulfate	10.1	0.500	mg/L	10.0		101	80-120			
Chloride	9,83	0.500	п	10.0		98.3	80-120			
Calibration Check (EI61815-CCV1)				Prepared: ()9/15/06 A	nalyzed: 09	1/19/06			
Sulfate	10.2		mg/L	10.0	-	102	80-120			
Chloride	9.86		и	10.0		98.6	80-120			
Duplicate (E161815-DUP1)	Sour	rce: 6113001-0)1	Prepared: 0)9/15/06 A	nalyzed: 09	1/19/06			
Sulfate	80.6	5.00	mg/L	18.07	80.7			0.124	20	
Chloride	223	5.00	**		221			0.901	20	
Duplicate (EI61815-DUP2)	Sour	rce: 6114014-0	12	Prepared: ()9/15/06 A	nalyzed: 09	1/19/06			
Sulfate	306	12.5	mg/L		306			0.00	20	
Chloride .	547	12.5	11		546			0.183	20	
Matrix Spike (EI61815-MS1)	Sour	rce: 6113001-0)1	Prepared: ()9/15/06 A	nalyzed: 09)/19/06			
Sulfate	185	5.00	mg/L	100	80.7	104	80-120			
Chloride	331	5.00	п	100	221	110	80-120			
Matrix Spike (EI61815-MS2)	Soui	rce: 6114014-0	12	Prepared: ()9/15/06 A	nalyzed: 09)/19/06			
Sulfate	579	12.5	mg/L	250	306	109	80-120		-	
Chloride	829	12.5	tt	250	546	113	80-120			

Project: ABO- Apache Leak

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 E161402 - 6010B/No Digestion										
Blank (E161402-BLK1)				Prepared &	. Analyzed:	: 09/14/06				
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	**							
Potassium	ND	0.0600	н							
Sodium	ND	0.0430	11							
Calibration Check (E161402-CCV1)				Prepared &	Analyzed:	09/14/06				
Calcium	2.18		mg/L	2.00		109	85-115			
Magnesium	2.18		v	2.00		109	85-115			
Potassium	1.84		17	2.00		92.0	85-115			
Sodium	1.91		ø	2.00		95.5	85-115			
Duplicate (E161402-DUP1)	Sou	ırce: 6111006-0)1	Prepared &	Analyzed:	09/14/06				
Calcium	51.8	0.810	mg/L		51.8			0.00	20	
Magnesium	29.0	0.360	**		29.0			0.00	20	
Potassium	5.34	0.600	**		5.64			5.46	20	
Sodium	72.1	0.430	**		75.0			3.94	20	

Rice Operating Co.

Project: ABO- Apache Leak
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

	Kaland KJulls		
Report Approved By:	Radio	Date:	9/19/2006

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

Environmental Lab of Texas

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Odessa, Texas 79765 12600 West I-20 East

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

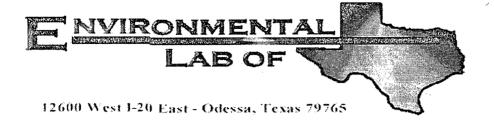
· 10.80

TAT brebnet2 (Pre-Schedule) T19S-R36E-Sec1G, Lea County NM Custody Sealst Containers / Cooler sbiloS baviossiO leto? LO.R.M. Temperature Upon Receipt Sample Containers Intact? Laboratory Comments Labels on container? BLEX 80518/2030 ABO-Apache Leak Semivolatiles Metals: As Ag Ba Cd Ct Pb Hg Se TCLP: SAR / ESP / CEC TOTAL Anions (Ct. SO4, CO3, HCO3) 2510 Cations (Ca, Mg, Na, K) Time Time õ,6 9001 9001 MS108 1,814;Hq Other (specify): 9-13-06 Project Number: 4-13-06 PLEASE Email RESULTS TO: kpope@riceswd.com; mfranks@riceswd.com Project Name: Sludge Date Project Loc: PO Number: Water Other (Specify) Mone (1) 1 Liter HDPE Fax No: (505) 397-1471 HOSN HCI (2) 40 ml glass vials [₽]ONH No. of Containers 17:07 Time Sampled kpope@riceswd.com 9/12/2006 Received by: Date Sampled Sampler Signature: Rozanne Johnson (505) 631-9310 rozanne@valornet.com 0228 5:00 Time city/State/Zip: Hobbs, New Mexico 88240 company Name RICE Operating Company Email: rozanne@valornet.com Project Manager: Kristin Farris Pope Company Address: 122 W. Taylor Street 9-8-6 न्धं हो। FIELD CODE Telephone No: (505) 393-9174 Monitor Well #1 Special Instructions: AB# (lab use only) inguished by

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice Op-				
Date/ Time: 9/13/00 11:50			,	
Lab ID #: 4 1900/				
Initials:				
Militais.				ř
Sample Recei	ot Checklist			
				t Initials
#1 Temperature of container/ cooler?	Yes	No	2.0 °C	
#2 Shipping container in good condition?	Yes	No		
‡3 Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
Custody Seals intact on sample bottles/ container?	- Ves	No	Not Present	
#5 Chain of Custody present?	y es	No		
f6 Sample instructions complete of Chain of Custody?	Yes	No		
f7 Chain of Custody signed when relinquished/ received?	Yo s	No		
±8 Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
t9 Container label(s) legible and intact?	yes	No	Not Applicable	
10 Sample matrix/ properties agree with Chain of Custody?	Ϋ́€s	No		
411 Containers supplied by ELOT?	/∕€s	No		
\$12 Samples in proper container/ bottle?	Yes	No	See Below	
13 Samples properly preserved?	Yes_	No	See Below	
114 Sample bottles intact?	Y∌s	No		
15 Preservations documented on Chain of Custody?	Yes	No		
i16 Containers documented on Chain of Custody?	yes	No		
17 Sufficient sample amount for indicated test(s)? 18 All samples received within sufficient hold time?	Vēs	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 Doc	umentation			
ontact: Contacted by:		-	Date/ Time:	
egarding:				
		·		
orrective Action Taken:			,	
				
				
heck all that Apply: See attached e-mail/ fax				
Client understands and wo	ould like to prod	ceed with	analysis	
Cooling process had begu	n shortly after	sampling	event	



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: ABO- Apache Leak
Project Number: None Given

Location: T19S-R36E-Sec.1G, Lea County, NM

Lab Order Number: 6J12012

Report Date: 10/24/06

Project: ABO- Apache Leak

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	6J12012-01	Water	10/09/06 16:20	10-12-2006 16:00

Project: ABO- Apache Leak

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 (6J12012-01) Water										
Benzene	ND	0.00100	mg/L	1	EJ61407	10/14/06	10/16/06	EPA 8021B		
Toluene	ND	0.00100		н	и	"	**	"		
Ethylbenzene	ND	0.00100	н	**	п	11	**			
Xylene (p/m)	ND	0.00100	n	"	н	D	Ħ	"		
Xylene (o)	ND	0.00100	n		n	u	11	**		
Surrogate: a.a.a-Trifluorotoluene		82.2 %	80-12	20	n	n	n	n	-	
Surrogate: 4-Bromofluorobenzene		102 %	80-12	20	"	"	"	,		

Project: ABO- Apache Leak

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

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 (6J12012-01) Water									
Total Alkalinity	194	2.00	mg/L	1	EJ61311	10/13/06	10/13/06	EPA 310.1M	
Chloride	219	5.00	**	10	EJ61403	10/19/06	10/19/06	EPA 300.0	
Total Dissolved Solids	836	10.0	**	1	EJ61404	10/14/06	10/15/06	EPA 160.1	
Sulfate	80.9	5.00	n	10	EJ61403	10/19/06	10/19/06	EPA 300.0	

122 W. Taylor Hobbs NM, 88240 Project: ABO- Apache Leak

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Total Metals by EPA / Standard Methods Environmental Lab of Texas

Analyte Monitor Well #1 (6J12012-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	133	4.05	mg/L	50	EJ61604	10/13/06	10/16/06	EPA 6010B	
Magnesium	20.6	0.360	"	10	· ·	"	н	N	
Potassium	2.72	0.600		н		"	n	ь	
Sodium	48.0	2.15	*	50	v	"	n	U	

Project: ABO- Apache Leak

122 W. Taylor

Project Number: None Given

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Organics by GC - Quality Control Environmental Lab of Texas

<u> </u>	w	Reporting	4.1	Spike	Source	0/05-	%REC	ppp	RPD	XI ·
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EJ61407 - EPA 5030C (GC)		****								
Blank (EJ61407-BLK1)				Prepared: 1	0/14/06 Ar	nalyzed: 10	/15/06			
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	п							
Ethylbenzene	ND	0.00100	n							
Xylene (p/m)	ND	0.00100	**							
Xylene (o)	ND	0.00100	u							
Surrogate: a,a,a-Trifluorotoluene	33.5		ug/l	40.0		83.8	80-120			
Surrogate: 4-Bromofluorobenzene	35.0		"	40.0		87.5	80-120			
LCS (EJ61407-BS1)				Prepared: 1	0/14/06 Ar	nalyzed: 10	/15/06			
Benzene	0.0451	0.00100	mg/L	0.0500		90.2	80-120			
Toluene	0.0430	0.00100		0.0500		86.0	80-120			
Ethylbenzene	0.0513	0.00100	D	0.0500		103	80-120			
Xylene (p/m)	0.0929	0.00100	"	0.100		92.9	80-120			
Xylene (o)	0.0423	0.00100	"	0.0500		84.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	34.4		ug/l	40.0	<u> </u>	86.0	80-120			
Surrogate: 4-Bromofluorobenzene	43.8		n	40.0		110	80-120			
Calibration Check (EJ61407-CCV1)				Prepared: 1	0/14/06 At	nalyzed: 10	/17/06			
Benzene	49.9		ug/l	50.0		99.8	80-120			
Toluene	43.1		**	50.0		86.2	80-120			
Ethylbenzene	42.0		"	50.0		84.0	80-120			
Xylene (p/m)	83.7		11	100		83.7	80-120			
Xylene (o)	41.2		9	50.0		82.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	36.1		rr	40.0		90.2	80-120			
Surrogate: 4-Bromofluorobenzene	34.3		"	40.0		85.8	80-120			
Matrix Spike (EJ61407-MS1)	Sou	ırce: 6J12015-0	31	Prepared: 1	0/14/06 Ar	nalyzed: 10	/17/06			
Benzene	0.0501	0.00100	mg/L	0.0500	ND	100	80-120			
Toluene	0.0440	0.00100		0.0500	ND	88.0	80-120			
Ethylbenzene	0.0416	0.00100	"	0.0500	ND	83.2	80-120			
Xylene (p/m)	0.0914	0.00100		0.100	ND	91.4	80-120			
Xylene (o)	0.0427	0.00100	н	0.0500	ND	85.4	80-120			
Surrogate: a.a.a-Trifluorotoluene	35.5		ug/l	40.0		88.8	80-120			
Surrogate: 4-Bromoftworobenzene	40.2		"	40.0		100	80-120			

Project: ABO- Apache Leak

Project Number: None Given

Fax: (505) 397-1471

122 W. Taylor Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Organics by GC - Quality Control **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ61407 - EPA 5030C (GC)										
Matrix Spike Dup (EJ61407-MSD1)	Sour	rce: 6J12015-	01	Prepared: 1	0/14/06 A	nalyzed: 10	/17/06			
Benzene	0.0502	0.00100	mg/L	0.0500	ND	100	80-120	0.00	20	
Toluene	0.0442	0.00100	**	0.0500	ND	88.4	80-120	0.454	20	
Ethylbenzene	0.0412	0.00100	**	0.0500	ND	82.4	80-120	0.966	20	
Xylene (p/m)	0.0913	0.00100	**	0.100	ND	91.3	80-120	0.109	20	
Xylene (o)	0.0437	0.00100	•	0.0500	ND	87.4	80-120	2.31	20	
Surrogate: a,a,a-Trifluorotoluene	35.4		ug/l	40.0		88.5	80-120	-		
Surrogate: 4-Bromofluorobenzene	41.0		"	40.0		102	80-120			

Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 Project: ABO- Apache Leak

Fax: (505) 397-1471

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	W855	%REC	0.00	RPD	N
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EJ61311 - General Preparation (V	VetChem)	****								
Blank (EJ61311-BLK1)				Prepared &	Analyzed:	10/13/06				
Total Alkalinity	ND	2.00	mg/L							
Carbonate Alkalinity	ND	0.100	**							
Bicarbonate Alkalinity	ND	2.00	**							
Hydroxide Alkalinity	ND	0.100	*1							
LCS (EJ61311-BS1)				Prepared:	10/13/06 Ai	nalyzed: 10)/20/06			
Bicarbonate Alkalinity	196	2.00	mg/L	200		98.0	85-115			
Duplicate (EJ61311-DUP1)	Sou	rce: 6J12011-	01	Prepared &	k Analyzed:	10/13/06				
Total Alkalinity	238	2.00	mg/L		242			1.67	20	
Reference (EJ61311-SRM1)				Prepared &	Analyzed:	10/13/06				
Total Alkalinity	250		mg/L	250		100	90-110			
Batch EJ61403 - General Preparation (V	VetChem)									
Blank (EJ61403-BLK1)				Prepared &	k Analyzed:	10/19/06				
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	n							
LCS (EJ61403-BS1)				Prepared &	k Analyzed:	10/19/06				
Sulfate	9.55	0.500	mg/L	10.0		95.5	80-120			
Chloride	9.62	0.500	n	10.0		96.2	80-120			
Calibration Check (EJ61403-CCV1)				Prepared &	k Analyzed:	10/19/06				
Sulfate	10,1		mg/L	10.0		101	80-120			
Chloride	10.5		n	10.0		105	80-120			

Project: ABO- Apache Leak

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 EJ61403 - General Preparation (Wet	Chem)	-							· •	
Duplicate (EJ61403-DUP1)	Sou	rce: 6J12011-	01	Prepared &	Analyzed:	10/19/06				
Sulfate	291	25.0	mg/L	•	308			5.68	20	
Chloride	1430	25.0	и		1430			0.00	20	
Duplicate (EJ61403-DUP2)	Sou	Source: 6J12016-02		Prepared &	Prepared & Analyzed: 10/19/06					
Sulfate	236	12.5	mg/L		237			0.423	20	
Chloride	690	12.5	n		692			0.289	20	
Matrix Spike (EJ61403-MS1)	Sou	rce: 6J12011-	01	Prepared &	Analyzed:	10/19/06				
Chloride	2040	25.0	mg/L	500	1430	122	80-120			S-0
Sulfate	781	25.0	"	500	308	94.6	80-120			
Matrix Spike (EJ61403-MS2)	Sou	rce: 6J12016-	02	Prepared &	Analyzed:	10/19/06				
Sulfate	476	12.5	mg/L	250	237	95.6	80-120			
Chloride	979	12.5		250	692	115	80-120			
Batch EJ61404 - Filtration Preparation										
Blank (EJ61404-BLK1)				Prepared:	10/14/06 A	nalyzed: 10	0/15/06			
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EJ61404-DUP1)	Sou	rce: 6J12011-	01	Prepared:	10/14/06 A	nalyzed: 10	0/15/06			
Total Dissolved Solids	3380	10.0	mg/L		3260			3.61	5	
Duplicate (EJ61404-DUP2)	Sou	rce: 6J12016-	02	Prepared:	Prepared: 10/14/06 Analyzed: 10/15/06					
Total Dissolved Solids	1850	10.0	mg/L		1900			2.67	5	

Project: ABO- Apache Leak

122 W. Taylor

Potassium

Sodium

Project Number: None Given

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

85-115

85-115

97.0

89.5

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 EJ61604 - 6010B/No Digestion										
Blank (EJ61604-BLK1)				Prepared:	10/13/06 A	nalyzed: 10	/16/06			
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360								
Potassium	ND	0.0600	,,							
Sodium	ND	0.0430	**							
Calibration Check (EJ61604-CCV1)				Prepared:	10/13/06 A	nalyzed: 10	/16/06			
Calcium .	1.99		mg/L	2.00		99.5	85-115			
Magnesium	2.20		"	2.00		110	85-115			

2.00

2.00

Duplicate (EJ61604-DUP1)	Source: 6J12001-04		04	Prepared: 10/13/06 Analyzed: 10/16/06		
Calcium	0.426	0.0810	mg/L	0.427	0.234	20
Magnesium	0.432	0.0360	**	0.422	2.34	20
Potassium	0.596	0.0600	**	0.582	2.38	20
Sodium	0.890	0.0430	. "	0.866	2.73	20

1.94

1.79

Rice Operating Co.

Project: ABO- Apache Leak
Project Number: None Given
Hobbs NM, 88240
Project Manager: Kristin Farris-Pope

Notes and Definitions

S-07 Recovery outside Laboratory historical or method prescribed limits. Analyte DETECTED DET 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

	Kaland KJulis		
Report Approved By:	Ratan Cito	Date:	10/24/2006

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

RUSH TAT (Pre-Schedule) T19S-R36E-Sec1G, Lea County NM Custody Seals: Contembra / (2008) abilio2 bevlossi@ istoT MARO. CI Sample Containers Intect Laboratory Comments: BIEX 302/8/2020 ABO-Apache Leak 美容明の日が書 nimas (Cl., SOA,, CO2, HCO3) 01/10/2/P Time Time 2001 2001 195108 lio. Project Number: PLEASE Email RESULTS TO: kpope@riceswd.com; mfranks@riceswd.com Project Name: Date Project Loc: PO Number: 113955/60 Calver (Specify) HOWE (1) I TIME HEAVE Fax No: (505) 397-1471 w 2000 (S) 40 m) glace w CONTH No. of Containers n 16:20 DelgmeS amiT kpope@riceswd.com Received by ELOT 10/9/2006 Received by: Date Sampled Sampler Signature: Rozanna Johnson (505) 631-9310 rozanne@valornet.com 4.00.4 Time city/state/zlp: Hobbs, New Mexico 88240 Fax: 432-563-1713 Company Name RICE Operating Company Email: rozanne@yalornet.com Project Manager: Kristin Farris Pope Company Address: 122 W. Taylor Street 10/12/01 Date FJELD CODE Telephone No. (505) 393-9174 Monitor Well #1 Odessa, Texas 79765 Special Instructions: LAB # (lab use only) Relinquished by Rozenna John

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Environmental Lab of Texas

Phone: 432-563-1800

12600 West |-20 East

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

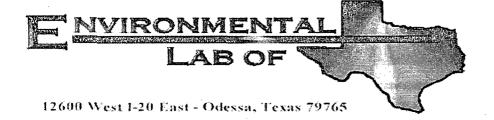
Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In / Time: ID#: Sample Receipt Checklist Client Initials Temperature of container/ cooler? Yes No 2,0 ° C Shipping container in good condition? Xes No Yes Custody Seals intact on shipping container/ cooler? No Not Present Yes No Custody Seals intact on sample bottles/ container? Not Present Yes No Chain of Custody present? Sample instructions complete of Chain of Custody? Xes No YES No Chain of Custody signed when relinquished/ received? Xes Chain of Custody agrees with sample label(s)? No ID written on Cont./ Lid à es No Container label(s) legible and intact? Not Applicable 0 Sample matrix/ properties agree with Chain of Custody? No Yes Containers supplied by ELOT? Yes No Yes Samples in proper container/ bottle? No See Below 3 Samples properly preserved? Y∕es, No See Below No 4 Sample bottles intact? Yes 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)? No es See Below 18 All samples received within sufficient hold time? No es See Below 19 VOC samples have zero headspace? Yes No Not Applicable Variance Documentation Contacted by: ontact: Date/ Time: Regarding: Corrective Action Taken:

> Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event

See attached e-mail/ fax

Check all that Apply:



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: ABO- Apache Leak
Project Number: None Given

Location: T19S R37E Sec.1 G- Lea County, NM

Lab Order Number: 6K15004

Report Date: 11/22/06

Project: ABO- Apache Leak

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	6K15004-01	Water	11/13/06 09:40	11-15-2006 08:10

Project: ABO- Apache Leak

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 **Environmental Lab of Texas**

Analyte Monitor Well #1 (6K15004-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride Total Dissolved Solids	234 752	5.00 10.0	mg/L	10 1	EK61507 EK61611	11/15/06 11/15/06	11/15/06	EPA 300.0 EPA 160.1	

Project: ABO- Apache Leak

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 EK61507 - General Preparation (Wet	Chem)									
Blank (EK61507-BLK1)				Prepared &	Analyzed:	11/15/06				
Chloride	ND	0.500	mg/L							
LCS (EK61507-BS1)				Prepared &	& Analyzed:	11/15/06				
Chloride	11.1	0.500	mg/L	10,0	*	111	80-120			
Calibration Check (EK61507-CCV1)				Prepared &	k Analyzed:	11/15/06				
Chloride	10.7		mg/L	10.0	<u> </u>	107	80-120			
Duplicate (EK61507-DUP1)	Sou	rce: 6K15004	-01	Prepared &	k Analyzed:	11/15/06				
Chloride	232	5.00	mg/L		234			0.858	20	~
Duplicate (EK61507-DUP2)	Sou	rce: 6K15006-	07	Prepared &	k Analyzed:	11/15/06				
Chloride	37.9	5.00	mg/L		43.7		,	14.2	20	
Matrix Spike (EK61507-MS1)	Sou	rce: 6K15004-	-01	Prepared &	k Analyzed:	11/15/06				
Chloride	345	5.00	mg/L	100	234	111	80-120			
Matrix Spike (EK61507-MS2)	Sou	rce: 6K15006-	07	Prepared &	z Analyzed:	11/15/06				
Chloride	142	5.00	mg/L	100	43.7	98.3	80-120			
Batch EK61611 - Filtration Preparation										
Blank (EK61611-BLK1)	_			Prepared:	11/15/06 A	nalyzed: 11	/16/06	<u>"</u>		
Total Dissolved Solids	ND	10.0	mg/L		•					
Duplicate (EK61611-DUP1)	Sou	rce: 6K15001-	-01	Prepared:	11/15/06 A	nalyzed: 11	/16/06			
Total Dissolved Solids	14000	10.0	mg/L		13200			5.88	5	QR-0

Project: ABO- Apache Leak

122 W. Taylor

Project Number: None Given

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Hobbs NM, 88240 Project Manager

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 EK61611 - Filtration Preparation

Duplicate (EK61611-DUP2)			Prepared: 11/15/06 Analyzed: 11/16/06				
Total Dissolved Solids	586	10.0	mg/L	622	5.96	5	QR-03

Rice Operating Co.

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

Notes and Definitions

OR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. DET Analyte DETECTED ND Analyte NOT DETECTED at or above the reporting limit NR Not Reported Sample results reported on a dry weight basis dry RPD Relative Percent Difference LCS Laboratory Control Spike MS Matrix Spike Dup Duplicate

	Kaland	K. hand		
Report Approved By:	~ Contain C		Date:	11/22/2006

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

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12800 West I-20 East

Phone: 432-563-1800

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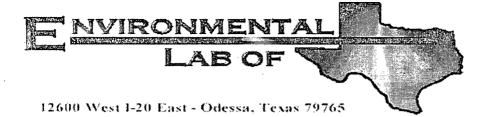
20 mg

ZZZZZZ TAT bisbrists Lone Star NPDES ပ္ Project Loc: T19S R37E Sect G ~ Lea County New Mexico ZILST, 84, 45. (Súbedůle) 24, 48, 72 hrs ğezkixx 1 Sapholides 3 Total Dissolved Solids . ت Fax: 432-563-1713 TRRP M.A.O.V Sample Hand Delivered
by Sample/Client Rep. ?
by Counfer?
UPS DHL Sample Containers Intact? ABO Apache Leak Labels on container (s) Custody seals on container(s) Custody seals on contents(s) Temperature Upon Receipt: BTEX 8021B/5030 or BTEX 8250 VOCs Free of Headspace? Volatiles (BTEX-N 8250) X Standard Netals: As Ag Ba Cd Cr Pb Hg Se TOLP SAR / ESP / CEC Anions (Cl., SO4, Alkalinity) Project Name: Project #: Cations (Ca, Mg, Na, K) Report Format: 9001 X1 9001 XL 8:10: 20:02 SULPE MG108 1,814 Hd. eids109-nold±9l/ გ 200 0)8/21/11 abonis=15 late // bunyulin=/4/ Other (Specify) rozanne@valornet.com HOPE (1) 1 Liter HOPE Preservation & # of Containers Odessa, Texas 79765 rozanne@valornet.com Na2S2O3 HOSN (505) 397-1471 °OS²H HCI [‡]ONH 90 Total #. of Containers bereiti'i blei e-mail: Fax No: URLILL REED mfranks@riceswd.com 9:40 Time Sampled kpope@riceswd.com Received by ELOT 11/13/2006 Received by Date Sampled Ending Depth 36.58 Hobbs, New Mexico 88240 RICE Operating Company 3. 1me Rozanne Johnson (505)631-9310 Beginning Depth kpope@riceswd.com 122 W. Taylor Street Kristin Farris Pope 90/51/11 三五多 (505) 393-9174 FIELD CODE Please email to: Sampler Signature: Company Address: Project Manager: Company Name Telephone No: City/State/Zip: Monitor Well Special Instructions: ORDER #: (lab use only) AB # (lab use only)

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

lient:	With Dr.				
1	11/15/66 8:10				
late/ Time:					
ab ID#:	<u> (15004</u>				
nitials:	(° 1/4				
				•	
_	Sample Receipt	Checklist			
				Client Initia	als
	ature of container/ cooler?	Yes	No	6.5 °C	
	container in good condition?	Xes	No		
3 Custody 4 Custody	Seals intact on shipping container/ cooler?	Yes	No	Not Present	_
4 Custody	Seals intact on sample bottles/ container?	Xes	No	Not Present	
	Custody present?	Yes	No		
	instructions complete of Chain of Custody?	γes	No		
7 Chain of	Custody signed when relinquished/ received?	Yes	No		7
8 Chain of	Custody agrees with sample label(s)?	Ϋ́€s	No	ID written on Cont./ Lid	
9 Containe	er label(s) legible and intact?	Y, es	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	s properly preserved?	Yes	No	See Below	
14 Sample	bottles intact?	Yes	No		
15 Preserv	rations documented on Chain of Custody?	Y,es	No		1
:16 Contain	ers documented on Chain of Custody?	Yes	No		
17 Sufficie	nt sample amount for indicated test(s)?	Yes	No.	See Below	7
18 All sam	ples received within sufficient hold time?	Yes	No	See Below	7
:19 Subcon	tract of sample(s)?	Yes	No	Not Applicable	
20 VOC sa	imples have zero headspace?	Yes	No	Not Applicable,	
Contact:	Variance Docum Contacted by:	mentation	-	Date/ Time;	
Corrective Ac	tion Taken:				
theck all that	See attached e-mail/ fax Client understands and would Cooling process had begun s				



Analytical Report

Prepared for:

Kristin Farris-Pope Rice Operating Co. 122 W. Taylor Hobbs, NM 88240

Project: ABO- Apache Leak

Project Number: None Given

Location: T19S R37E Sec. 1G- Lea County, NM

Lab Order Number: 6L07011

Report Date: 12/11/06

Project: ABO- Apache Leak

122 W. Taylor Hobbs NM, 88240

Project Number: None Given Project Manager: Kristin Farris-Pope Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6L07011-01	Water	12/04/06 08:05	12-07-2006 10:50

Project: ABO- Apache Leak

122 W. Taylor

Project Number: None Given

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte Monitor Well #1 (6L07011-01) Water	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride Total Dissolved Solids	229 698	5.00	mg/L	10 1	EL60801 EL60803	12/07/06 12/07/06	12/07/06	EPA 300.0 EPA 160.1	

Project: ABO- Apache Leak

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**

	n .	Reporting	44.5	Spike	Source	A/DEC	%REC	n nn	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EL60801 - General Preparation (W	etChem)									
Blank (EL60801-BLK1)				Prepared &	Analyzed:	12/08/06				
Chloride .	ND	0.500	mg/L							
LCS (EL60801-BS1)				Prepared &	Analyzed:	12/08/06			,	
Chloride	10.0	0.500	mg/L	10.0		100	80-120			
Calibration Check (EL60801-CCV1)				Prepared &	Analyzed:	12/08/06				
Chloride	10.4		mg/L	10.0		104	80-120			
Duplicate (EL60801-DUP1)	Sour	ce: 6L07005-	01	Prepared & Analyzed: 12/08/06						
Chloride	129	2.50	mg/L		130			0.772	20	
Matrix Spike (EL60801-MS1)	Sour	ce: 6L07005-	01	Prepared &	Analyzed:	12/08/06				
Chloride	189	2.50	mg/L	50.0	130	118	80-120			
Batch EL60803 - Filtration Preparation										
Blank (EL60803-BLK1)		-		Prepared: 1	12/07/06 A	nalyzed: 12	2/08/06			
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EL60803-DUP1)	Sour	ce: 6L07005-	01	Prepared: 12/07/06 Analyzed: 12/08/06						
Total Dissolved Solids	266	10.0	mg/L		246			7.81	20	

Project: ABO- Apache Leak

122 W. Taylor

Project Number: None Given

Fax: (505) 397-1471

Hobbs NM, 88240

Project Manager: Kristin Farris-Pope

Notes and Definitions

DET A

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 KJulis

Date:

12/11/2006

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

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

TAT bisbnst2 N □ NPDES RUSH TAT [Pre-Schedule] 24, 48, 72 Ms Project Loc: T19S R37E Sec1.6 ~ Lea County New Mexico Chlorides Total Dissolved Solids TRRP M.R.O.M Temperature Upon Receipt: by Saffiple/Client Rep. ?
by Confrier?
UPS
DHL ВÇI ABO Apache Leak Sample Containers Intact? Cabels on container(s):
Custody seals on container(s)
Custody seals on cooler(s) B1EX 8051B/2030 or B1EX 8580 VOCs Free of Headspace? Laboratory Comments: Sample Hand Delivered Volatiles (BTEX-N 8260) Report Format: X Standard Metals: As Ag Ba Cd Cr Pb Hig Se TOTAL Anions (Cl. SO4, Alkalinity) Project Name: PO#: Project #: Catlons (Ca, Mg, Na, K) 7X 1008 2001 XT :Hd1 (A) 0000 Time Time Time Hal 82108 MSTOB 1,814 eldsto Groon = qu bilo Silio S. S. I stevannor S. Vizi 12 FING Date Date Officer (Specify) rozanne@valornet.com Mone (1) 1 Liter HDPE rozanne@valornet.com CSEPN HORN (505) 397-1471 *oszH HCI CONH otal #, of Containers eld Filtered Fax No: e-mail: mfranks@riceswd.com 8:05 MILL Time Sampled kpope@riceswd.com Received by ELOT: 12/4/2006 Received by: Received by Date Sampled Ending Depth 12-7-06 (0.50 Hobbs, New Mexico 88240 RICE Operating Company lime Sampler Signature: Rozanne Johnson (505)631-9310 Beginning Depth kpope@riceswd.com 122 W. Taylor Street Kristin Farris Pope Date (505) 393-9174 FIELD CODE Please email to: Company Address: Project Manager: Company Name Monitor Well #1 Telephone No: City/State/Zip: Special Instructions: Rozanne Johnsor Relinquished by: Refinquished by: ORDER #: (lab use only (vino seu del) # 8A

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

Client:	Rite Op.				
Date/ Time:	12/11/1/10:50				
Lab ID#	10107011				
100 ID #	N/				,
Initials:					
	Sample Receipt	t Checklist	^ .		
#1 Temper	rature of container/ cooler?	Yes	No		lient Initials
	ng container in good condition?	े (स्टिड)	No	-2,0 °C	
	y Seals intact on shipping container/ cooler?	/Fess	No	Not Present	
	y Seals intact on sample bottles/ container?	₩ GS	No	Not Present	
	of Custody present?	\tes	No	140t Fresent	
	e instructions complete of Chain of Custody?	(es	No		
	of Custody signed when relinquished/ received?	₹96	No		
	of Custody signed witer reiniquished/received? of Custody agrees with sample label(s)?	Ves	No	ID written on Cont./ Lid	
	ner label(s) legible and intact?	XES	No	Not Applicable	
	te matrix/ properties agree with Chain of Custody?	//e s	No	Not Applicable	
	iners supplied by ELOT?	æs,	No		
	les in proper container/ bottle?	Yes	No	See Below	
	les properly preserved?	Xes	No	See Below	
	le bottles intact?	Yes	No	000 00.011	
	rvations documented on Chain of Custody?	Øes .	No		
	iners documented on Chain of Custody?	Fe ₃	No		
	ient sample amount for indicated test(s)?) yeş	No	See Below	
32	mples received within sufficient hold time?	789	No	See Below	
	ontract of sample(s)?	Yes	No	(Not Applicable	
	samples have zero headspace?	Yes	No	Not Applicable	
1	3011) 100 110 10 10 110 110 110 110 110 1		1	1 110(11)	
2-	Variance Docu	umentation		•	
Dontact	Contacted by:		-	Date/ Time:	
Regarding:			~		
is a					
	Action Taken:				
			····		
heck all th	Client understands and wo				
1	Cooling process had begu	н эногиу алег	sampling	event	