

AP -

97

ANNUAL MONITORING REPORT

YEAR(S):

2008

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February 18, 2009

Mr. Brad Jones
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87504

RE: **2008 ANNUAL GROUNDWATER MONITORING REPORT
BD JCT. P-26-1 & P-26-2 SITES (AP-97)
T21S, R37E, SECTION 26, UNIT LETTER J
LEA COUNTY, NEW MEXICO**

Mr. Jones:

On behalf of Rice Operating Company (ROC), Trident Environmental takes this opportunity to submit the 2008 Annual Groundwater Monitoring Report for the BD Jct. P-26-1 and P-26-2 Sites (AP-97) located in the Blinebry-Drinkard (BD) Salt Water Disposal (SWD) System.

ROC is the service provider (agent) for the BD SWD System and has no ownership of any portion of pipeline, well, or facility. The BD SWD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me at (432) 638-8740 or Hack Conder at (575) 393-9174.

Sincerely,

Gilbert J. Van Deventer, REM, PG

cc: HC, MB

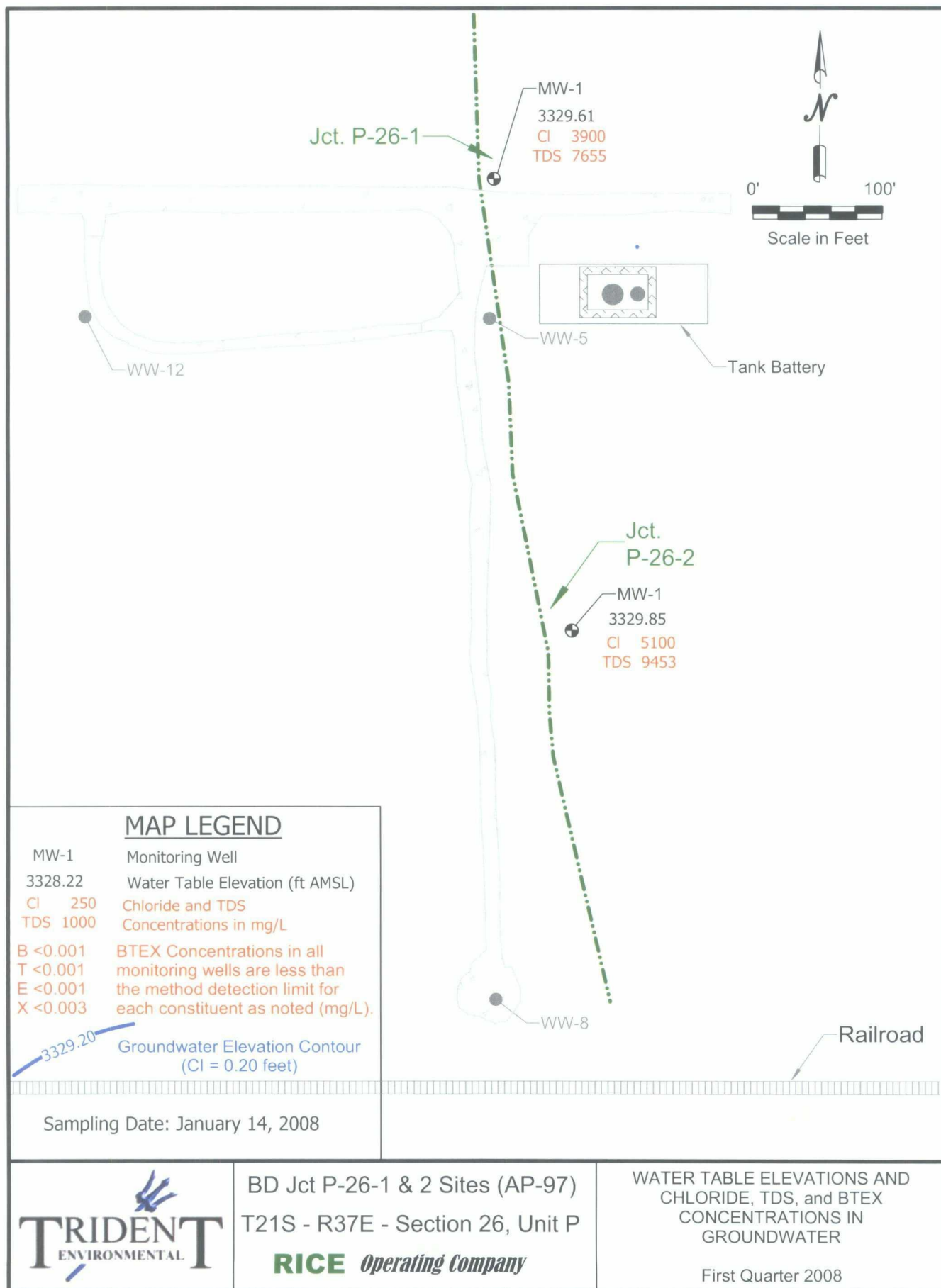
enclosures: maps, table, graphs, laboratory analytical reports, and well sampling data forms

ATTACHMENT A

Site Maps

Table

Graphs



Jct. P-26-1

MW-1
3329.61
Cl 3900
TDS 7655

0' 100'
Scale in Feet

WW-12

WW-5

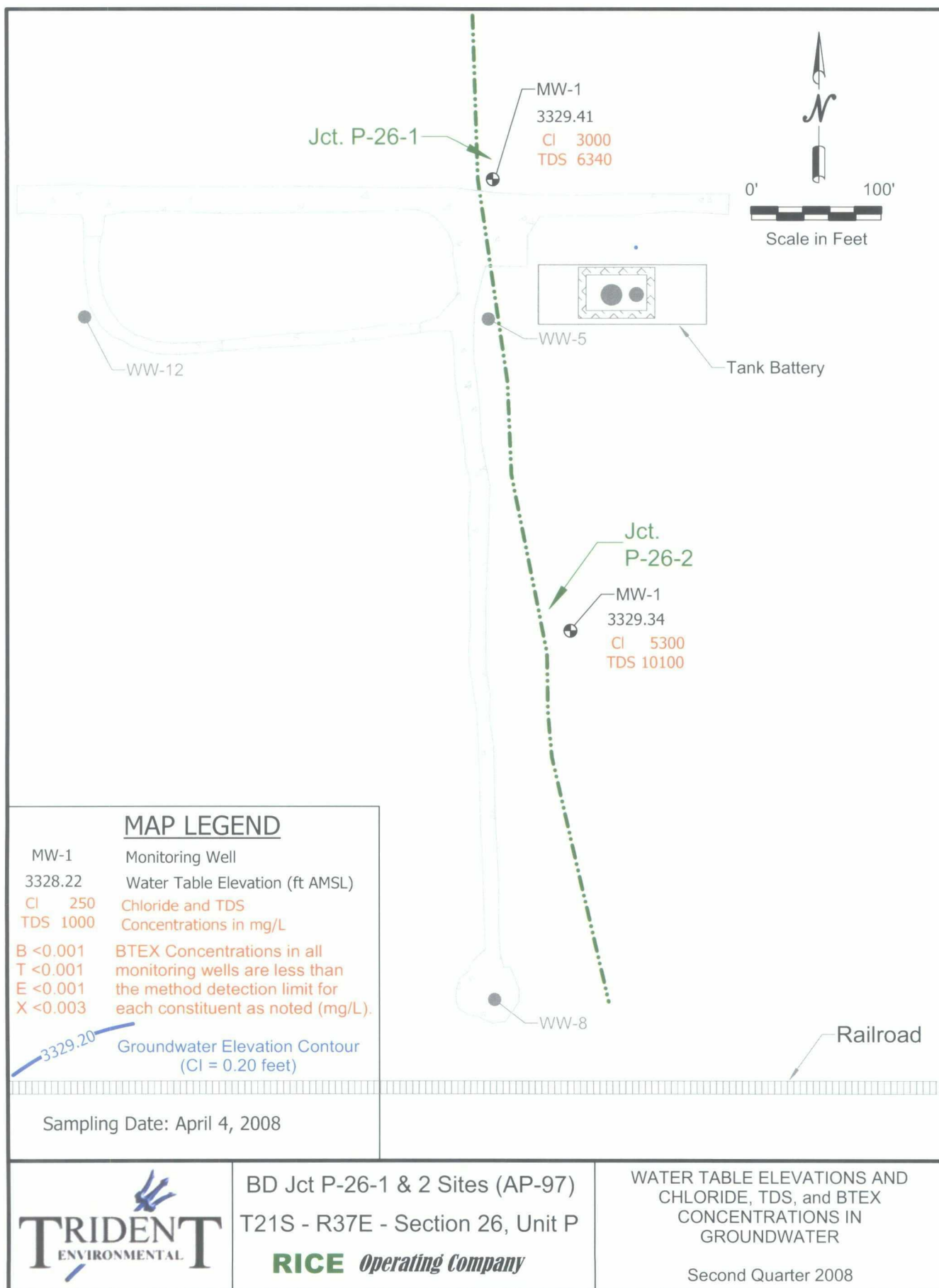
Tank Battery

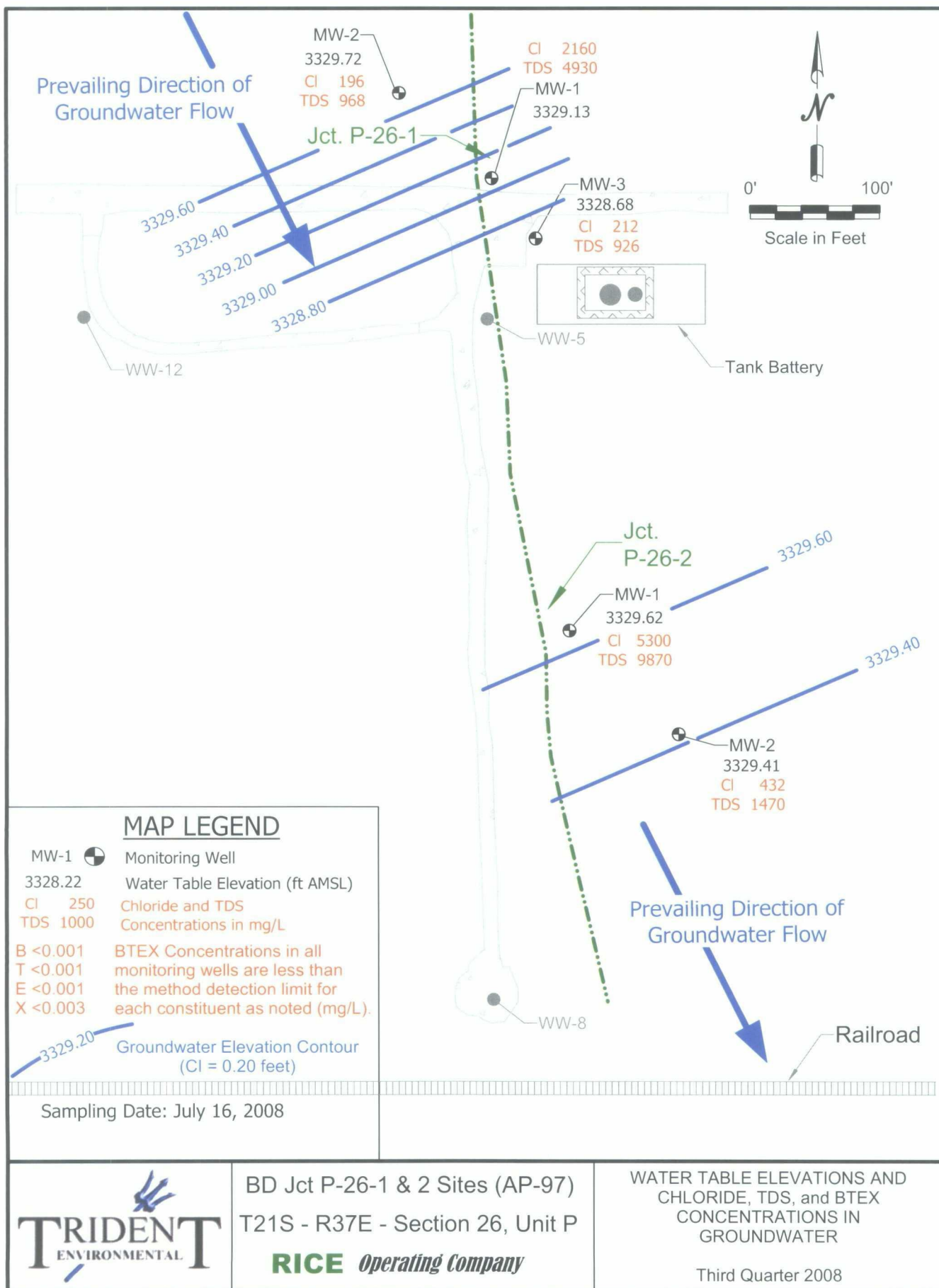
Jct. P-26-2

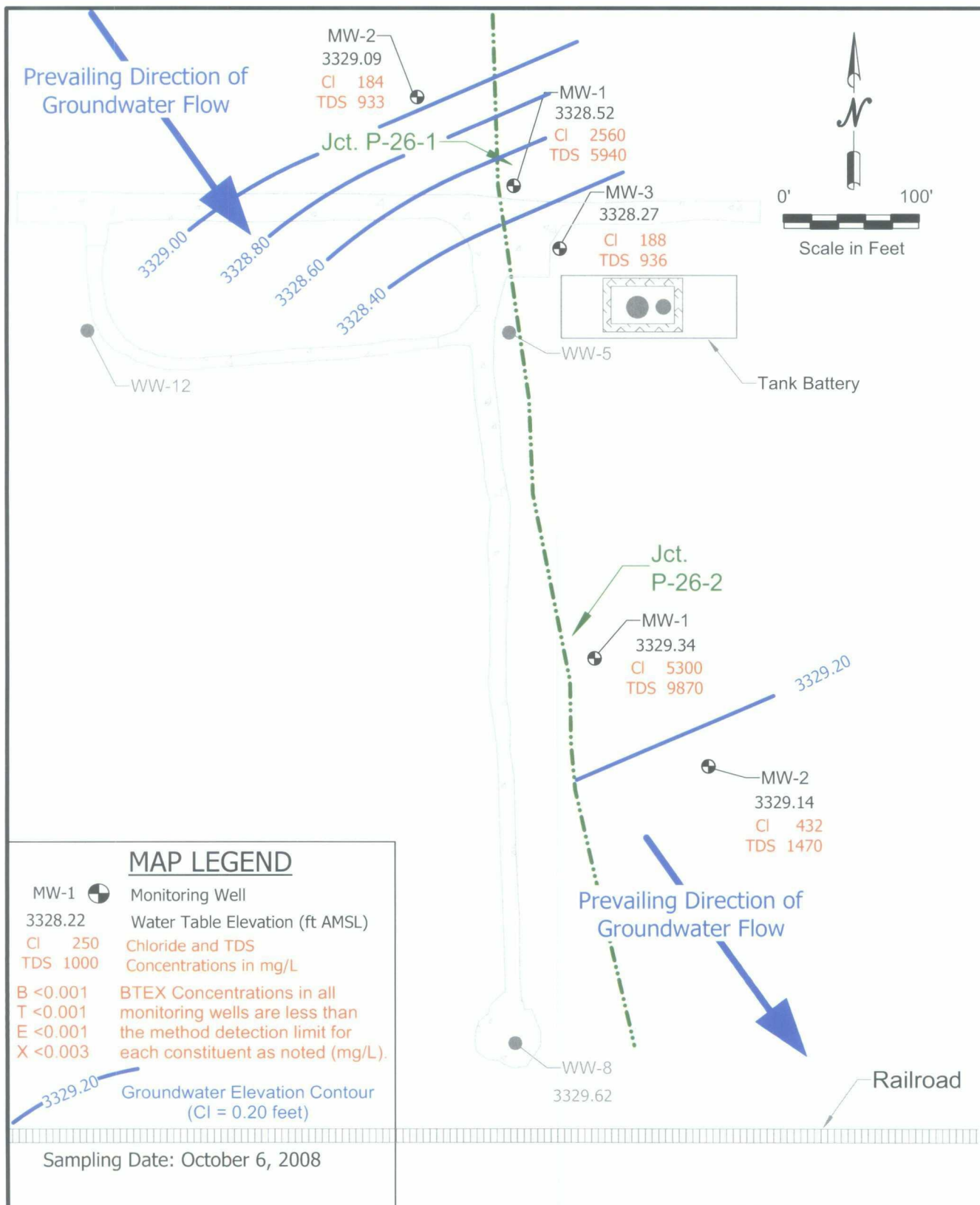
MW-1
3329.85
Cl 5100
TDS 9453

WW-8

Railroad







BD Jct P-26-1 & 2 Sites (AP-97)
T21S - R37E - Section 26, Unit P
RICE Operating Company

WATER TABLE ELEVATIONS AND
CHLORIDE, TDS, and BTEX
CONCENTRATIONS IN
GROUNDWATER

Fourth Quarter 2008



TABLE 1
SUMMARY OF GROUNDWATER MONITORING RESULTS

Site	Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
P-26-1	MW-1	11/12/07	50.37	3329.04	4,350	8,396	<0.002	<0.002	<0.002	<0.006
		01/14/08	49.80	3329.61	3,900	7,655	<0.001	<0.001	<0.001	<0.003
		04/04/08	50.00	3329.41	3,000	6,340	<0.001	<0.001	<0.001	<0.003
		07/16/08	50.28	3329.13	2,160	4,930	<0.001	<0.001	<0.001	<0.003
		10/06/08	50.89	3328.52	2,560	5,940	<0.001	<0.001	<0.001	<0.003
	MW-2	07/16/08	49.51	3329.72	196	968	<0.001	<0.001	<0.001	<0.003
		10/06/08	50.14	3329.09	184	933	<0.001	<0.001	<0.001	<0.003
	MW-3	07/16/08	49.20	3328.68	212	926	<0.001	<0.001	<0.001	<0.003
		10/06/08	49.61	3328.27	188	936	<0.001	<0.001	<0.001	<0.003
P-26-2	MW-1	11/12/07	47.39	3330.30	5,000	9,415	<0.002	<0.002	<0.002	<0.006
		01/14/08	47.84	3329.85	5,100	9,453	<0.001	<0.001	<0.001	<0.003
		04/04/08	47.45	3330.24	5,300	10,100	<0.001	<0.001	<0.001	<0.003
		07/16/08	48.07	3329.62	5,300	9,870	<0.001	<0.001	<0.001	<0.003
		10/06/08	48.35	3329.34	5,600	10,700	<0.001	<0.001	<0.001	<0.003
	MW-2	07/16/08	47.11	3329.41	432	1,470	<0.001	<0.001	<0.001	<0.003
		10/06/08	47.38	3329.14	384	1,350	<0.001	<0.001	<0.001	<0.003
	WQCC Standards				250	1,000	0.01	0.75	0.75	0.62

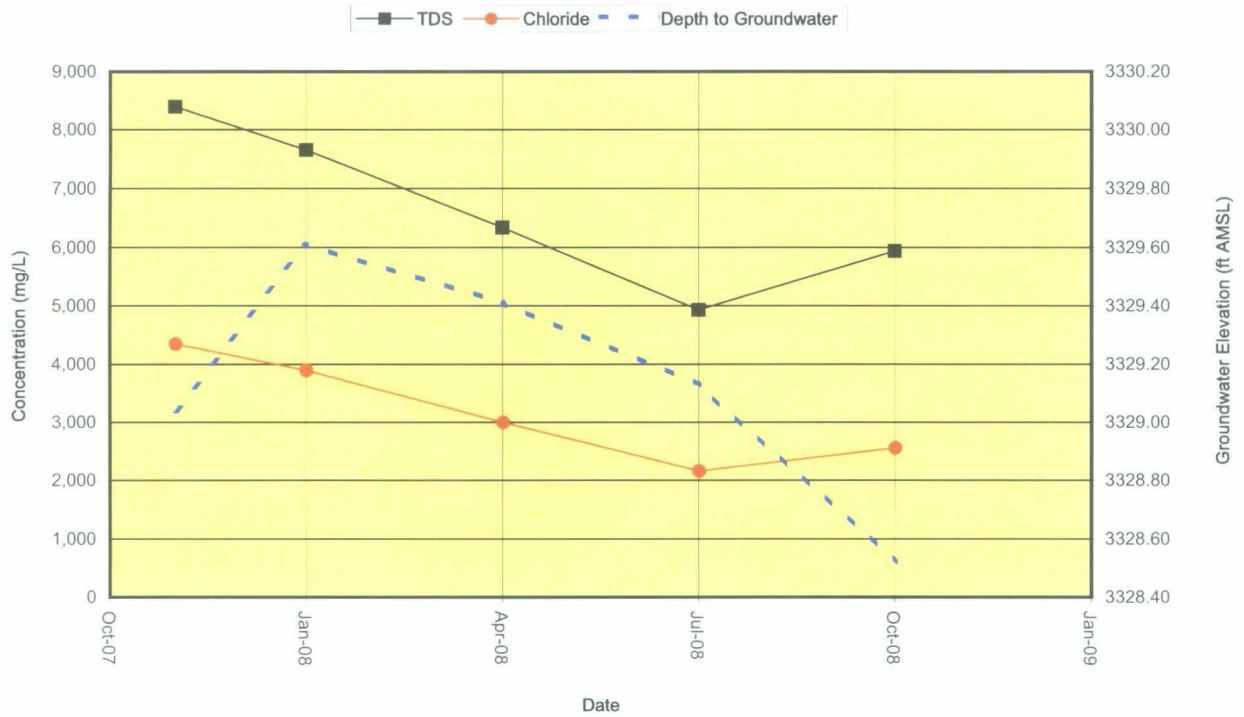
Total Dissolved Solids (TDS), chloride, sulfate, and BTEX concentrations listed in milligrams per liter (mg/L)

Analyses performed by Cardinal Laboratories (Hobbs NM)

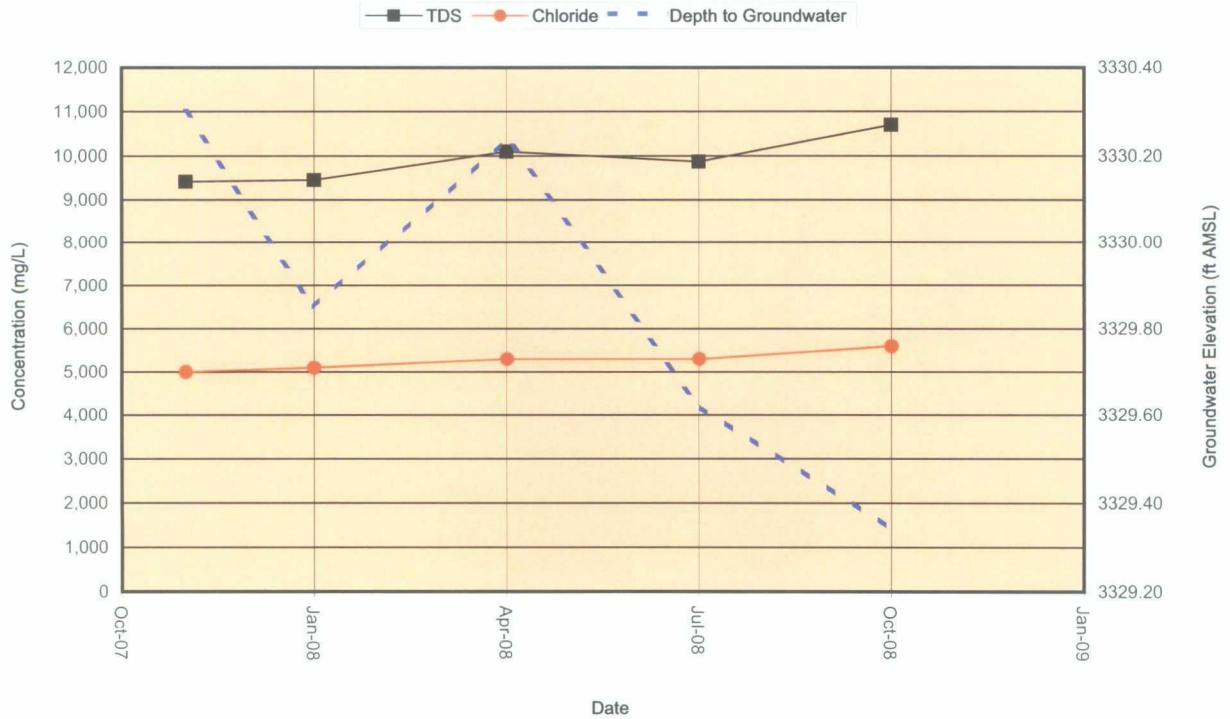
Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.

AMSL - Above Mean Sea Level

MW-1
Chloride, TDS Concentrations, and Water Table Elevation Versus Time Graph
BD Jct. P-26-1 Vent Site



MW-1
Chloride, TDS Concentrations, and Water Table Elevation Versus Time Graph
Jct. P-26-2 Site



ATTACHMENT B

Laboratory Analytical Reports

And

Chain of Custody Documentation



PHONE (575) 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: (575) 397-1471

Receiving Date: 01/15/08
Reporting Date: 01/22/08
Project Number: NOT GIVEN
Project Name: BD P-26-1 VENT
Project Location: T21S R37E SEC26 P~LEA COUNTY, NM

Sampling Date: 01/14/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM/KS

LAB NUMBER SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (μ S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:	01/21/08	01/21/08	01/21/08	01/21/08	01/16/08	01/16/08
H14086-1 MONITOR WELL #1	1,687	452	306	29.0	11,940	232
Quality Control	NR	49.2	52.4	2.93	1,433	NR
True Value QC	NR	50.0	50.0	3.00	1,413	NR
% Recovery	NR	98.5	105	97.8	101	NR
Relative Percent Difference	NR	< 0.1	3.0	8.5	1.4	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
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	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	01/16/08	01/17/08	01/16/08	01/16/08	01/16/08	01/16/08
H14086-1 MONITOR WELL #1	3,900	355	0	283	7.05	7,655
Quality Control	500	26.8	NR	1000	7.04	NR
True Value QC	500	25.0	NR	1000	7.00	NR
% Recovery	100	107	NR	100	100	NR
Relative Percent Difference	2.0	2.0	NR	< 0.1	0.3	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
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Kristin Supple
Chemist

01/22/08
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. H14086-1 RICE. 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.



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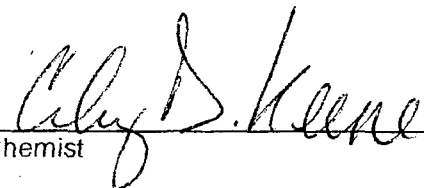
ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR ST.
HOBBS, NM 88240
FAX TO: (575) 397-1471

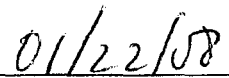
Receiving Date: 01/15/08
Reporting Date: 01/16/08
Project Number: NOT GIVEN
Project Name: BD P-26-1 VENT
Project Location: T21S-R37E-SEC26 P ~ LEA CO., NM

Sampling Date: 01/14/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		01/15/08	01/15/08	01/15/08	01/15/08
H14086-1	MONITOR WELL #1	<0.001	<0.001	<0.001	<0.003
Quality Control		0.097	0.087	0.093	0.270
True Value QC		0.100	0.100	0.100	0.300
% Recovery		96.5	87.4	92.9	89.9
Relative Percent Difference		6.2	5.8	5.2	5.0

METHOD: EPA SW-846 8021B


Cheryl D. Keene
Chemist


01/22/08
Date

Company Name: RICE Operating Company		BILL TO Company: RICE Operating Company		PO#	
Project Manager: Kristin Farris-Pope, Project Scientist		Address: 122 W Taylor Street ~ Hobbs, New Mexico 88240		(Street, City, Zip)	
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240		Phone#: (575) 393-9174		Fax#: (575) 397-1471	
Phone #: (575) 393-9174		Fax #: (575) 397-1471			
Project #:		Project Name: BD P-26-1 Vent			
Project Location: T21S R37E Sec26 P ~ Lea County New Mexico		Sampler Signature: Rozanne Johnson (505) 631-9310		rozanne@valornet.com	
LAB # (LAB USE ONLY)		FIELD CODE			
Monitor Well #1		(G)rab or (C)omp		# CONTAINERS	
		WATER		SOIL	
		AIR		SLUDGE	
		HCL (2 40ml VOA)		HNO3	
		NaHSO4		H2SO4	
		ICE (1-1 Liter HDPE)		NONE	
		DATE (2008)		TIME	
		1-14		12:40	
		MTBE 8021B/602		X	
		BTEX 8021B/602		X	
		TPH 418.1/TX1005 / TX1005 Extended (C35)			
		PAH 8270C			
		Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7			
		TCLP Metals Ag As Ba Cd Cr Pb Se Hg			
		TCLP Volatiles			
		TCLP Semi Volatiles			
		TCLP Pesticides			
		RCI			
		GC/MS Vol. 8260B/624			
		GC/MS Semi. Vol. 8270C/625			
		PCB's 8082/608			
		Pesticides 8081A/608			
		BOD, TSS, pH			
		Moisture Content			
		Cations (Ca, Mg, Na, K)		X	
		Anions (Cl, SO4, CO3, HCO3)		X	
		Total Dissolved Solids		X	
		Chlorides			
		Turn Around Time ~ 24 Hours			



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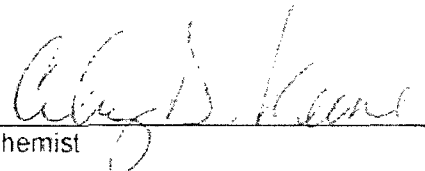
ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR ST.
HOBBS, NM 88240
FAX TO: (575) 397-1471

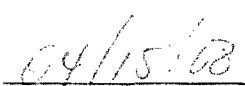
Receiving Date: 04/08/08
Reporting Date: 04/14/08
Project Number: NOT GIVEN
Project Name: BD P-26-1 VENT
Project Location: T21S R37E SEC26 P ~ LEA CO., NM

Sampling Date: 04/04/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		04/11/08	04/11/08	04/11/08	04/11/08
H14596-1	MONITOR WELL #1	<0.001	<0.001	<0.001	<0.003
Quality Control		0.101	0.097	0.092	0.296
True Value QC		0.100	0.100	0.100	0.300
% Recovery		101	96.6	92.4	98.6
Relative Percent Difference		7.0	6.3	2.7	1.9

METHOD: EPA SW-846 8021B


Chemist


Date



PHONE (575) 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: (575) 397-1471

Receiving Date: 04/08/08
Reporting Date: 04/11/08
Project Number: NOT GIVEN
Project Name: BD P-26-1 VENT
Project Location: T21S R37E SEC26 P-LEA COUNTY, NM

Sampling Date: 04/04/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		04/11/08	04/10/08	04/10/08	04/11/08	04/09/08	04/09/08
H14596-1	MONITOR WELL #1	1,360	333	234	21.8	9,500	232
Quality Control		NR	49.2	50.0	3.53	1,429	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	98.5	100	118	101	NR
Relative Percent Difference		NR	2.8	1.6	2.9	0.4	NR

METHODS: SM3500-Ca D 3500-Mg E 8049 120.1 310.1

		Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		04/09/08	04/09/08	04/09/08	04/09/08	04/09/08	04/08/08
H14596-1	MONITOR WELL #1	3,000	304	0	283	7.16	6,340
Quality Control		490	25.6	NR	1000	7.04	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		98.0	102	NR	100	100	NR
Relative Percent Difference		< 0.1	4.7	NR	1.2	< 0.1	NR

METHODS: SM4500-Cl-B 375.4 310.1 310.1 150.1 160.1

Kristin Farris-Pope
Chemist

04/14/08
Date

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Tel (575) 393-2325
Fax (575) 393-2476

	Yes	No	Additional Fax Number:
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7			
TCLP Metals Ag As Ba Cd Cr Pb Se Hg			
TCLP Volatiles			
TCLP Semi Volatiles			
TCLP Pesticides			
RCI			
GCM/S Vol. 8260B/624			
GCM/S Semi. Vol. 8270C/625			
PCBs 8082/608			
Pesticides 8081A/608			
BOD, TSS, pH			
Moisture Content			
Cations (Ca, Mg, Na, K)	X		
Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	X		
Total Dissolved Solids	X		
Chlorides			
Turn Around Time ~ 24 Hours			

Results to: kpope@riceswd.com
lweinheimer@riceswd.com
rozanne@valornet.com



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR ST.
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 07/21/08
Reporting Date: 07/28/08
Project Number: NOT GIVEN
Project Name: BD P-26-1 VENT
Project Location: T21S R37E SEC26 P ~ LEA CO., NM

Sampling Date: 07/16/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: KS
Analyzed By: AB

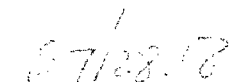
LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE:		07/21/08	07/21/08	07/21/08	07/21/08
H15202-1	MONITOR WELL #1	<0.001	<0.001	<0.001	<0.003
H15202-2	MONITOR WELL #2	<0.001	<0.001	<0.001	<0.003
H15202-3	MONITOR WELL #3	<0.001	<0.001	<0.001	<0.003
Quality Control		0.100	0.103	0.106	0.313
True Value QC		0.100	0.100	0.100	0.300
% Recovery		100	103	106	104
Relative Percent Difference		1.0	<0.1	2.8	<0.1

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.



Chemist



Date



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 07/21/08
Reporting Date: 07/27/08
Project Number: NOT GIVEN
Project Name: BD P-26-1 VENT
Project Location: T21S R37E SEC26 P-LEA COUNTY, NM

Sampling Date: 07/16/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: KS
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		07/25/08	07/25/08	07/25/08	07/27/08	07/23/08	07/23/08
H15202-1	MONITOR WELL #1	1,020	264	165	14.8	6,870	216
H15202-2	MONITOR WELL #2	151	62.5	44.7	7.8	1,280	208
H15202-3	MONITOR WELL #3	161	64.1	43.7	7.2	1,290	220
Quality Control		NR	52.1	51.0	3.03	1,416	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	104	102	101	100	NR
Relative Percent Difference		NR	< 0.1	< 0.1	5.4	0.1	NR

METHODS: SM3500-Ca-D 3500-Mg E 8049 120.1 310.1

		Cl (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		07/24/08	07/24/08	07/23/08	07/23/08	07/23/08	07/21/08
H15202-1	MONITOR WELL #1	2,160	299	0	264	7.22	4,930
H15202-2	MONITOR WELL #2	196	187	0	254	7.62	968
H15202-3	MONITOR WELL #3	212	174	0	268	7.63	926
Quality Control		500	42.8	NR	976	7.01	NR
True Value QC		500	40.0	NR	1000	7.00	NR
% Recovery		100	107	NR	97.6	100	NR
Relative Percent Difference		< 0.1	6.2	NR	3.7	0.1	NR

METHODS: SM4500-Cl-B 375.4 310.1 310.1 150.1 160.1

Chemist

Date

Cardinal Laboratories, Inc.

101 East Marand - Hobbs, New
Mexico 88240
Tel (575) 393-2326
Fax (575) 393-2476

[illegible]



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 10/08/08
Reporting Date: 10/10/08
Project Number: NOT GIVEN
Project Name: BD P-26-1 VENT
Project Location: T21S-R37E-SEC26 P ~ LEA CO., NM

Sampling Date: 10/06/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: TR

LAB NUMBE	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		10/09/08	10/09/08	10/09/08	10/09/08	10/08/08	10/08/08
H16065-1	MONITOR WELL #1	1,070	345	224	18.5	7,540	200
H16065-2	MONITOR WELL #2	153	80.2	36.0	7.9	1,260	208
H16065-3	MONITOR WELL #3	173	78.6	28.2	7.2	1,280	236
Quality Control		NR	48.1	51.0	3.01	1,419	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	96.2	102	100	100	NR
Relative Percent Difference		NR	<0.1	<0.1	0.7	0.4	NR

METHODS:	SM3500-Ca-D3500-Mg E	8049	120.1	310.1
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	Cl (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	10/08/08	10/09/08	10/08/08	10/08/08	10/08/08	10/09/08
H16065-1 MONITOR WELL #1	2,560	309	0	244	7.07	5,940
H16065-2 MONITOR WELL #2	184	216	0	254	7.47	933
H16065-3 MONITOR WELL #3	188	190	0	288	7.51	936
Quality Control	490	43.9	NR	988	7.00	NR
True Value QC	500	40.0	NR	1000	7.00	NR
% Recovery	98.0	110	NR	98.8	100	NR
Relative Percent Difference	< 0.1	3.9	NR	1.2	0.3	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
----------	-------------	-------	-------	-------	-------	-------

Chemist

Date

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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

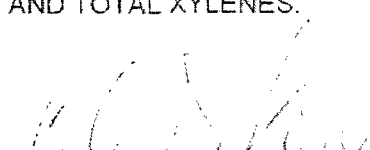
Receiving Date: 10/08/08
Reporting Date: 10/13/08
Project Number: NOT GIVEN
Project Name: BD P-26-1 VENT
Project Location: T21S-R37E-SEC26 P ~ LEA CO., NM

Sampling Date: 10/06/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		10/10/08	10/10/08	10/10/08	10/10/08
H16065-1	MONITOR WELL #1	<0.001	<0.001	<0.001	<0.003
H16065-2	MONITOR WELL #2	<0.001	<0.001	<0.001	<0.003
H16065-3	MONITOR WELL #3	<0.001	<0.001	<0.001	<0.003
Quality Control		0.051	0.053	0.050	0.158
True Value QC		0.050	0.050	0.050	0.150
% Recovery		102	106	100	105
Relative Percent Difference		0.8	0.4	1.6	1.3

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist


Date

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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 01/15/08
Reporting Date: 01/22/08
Project Number: NOT GIVEN
Project Name: BD P-26-2
Project Location: T21S R37E SEC26 P~LEA COUNTY, NM

Sampling Date: 01/14/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM/KS

LAB NUMBER SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (μ S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:	01/21/08	01/21/08	01/21/08	01/21/08	01/16/08	01/16/08
H14087-1 MONITOR WELL #1	3,245	163	113	69.5	16,110	344
Quality Control	NR	49.2	52.4	2.93	1,433	NR
True Value QC	NR	50.0	50.0	3.00	1,413	NR
% Recovery	NR	98.5	105	97.8	101	NR
Relative Percent Difference	NR	< 0.1	3.0	8.5	1.4	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
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	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	01/16/08	01/17/08	01/16/08	01/16/08	01/16/08	01/18/08
H14087-1 MONITOR WELL #1	5,100	469	0	420	7.33	9,453
Quality Control	500	26.8	NR	1000	7.04	NR
True Value QC	500	25.0	NR	1000	7.00	NR
% Recovery	100	107	NR	100	100	NR
Relative Percent Difference	2.0	2.0	NR	< 0.1	0.3	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
----------	-------------	-------	-------	-------	-------	-------

Kristin Farris-Pope
Chemist

01/22/08
Date



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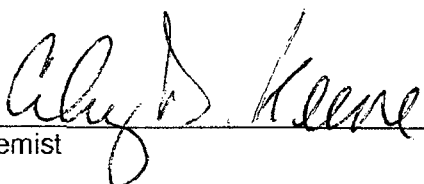
ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR ST.
HOBBS, NM 88240
FAX TO: (575) 397-1471

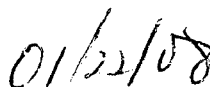
Receiving Date: 01/15/08
Reporting Date: 01/16/08
Project Number: NOT GIVEN
Project Name: BD P-26-2
Project Location: T21S-R37E-SEC26 P ~ LEA CO., NM

Sampling Date: 01/14/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		01/15/08	01/15/08	01/15/08	01/15/08
H14087-1	MONITOR WELL #1	<0.001	<0.001	<0.001	<0.003
Quality Control		0.097	0.087	0.093	0.270
True Value QC		0.100	0.100	0.100	0.300
% Recovery		96.5	87.4	92.9	89.9
Relative Percent Difference		6.2	5.8	5.2	5.0

METHOD: EPA SW-846 8021B


Chemist


Date

101 East Marland - Hobbs, New Mexico 88240
Tel (505) 393-2326
Fax (505) 393-2476

Cardinal Laboratories, Inc.

Company Name:

RICE Operating Company

BILL TO Company:

RICE Operating Company

PO#

Project Manager:

Kristin Farris-Pope, Project Scientist

Address: (Street, City, Zip)

122 W Taylor Street ~ Hobbs, New Mexico 88240

Address: (Street, City, Zip)

122 W Taylor Street ~ Hobbs, New Mexico 88240

Phone#:

(575) 393-9174

Fax#:

(575) 397-1471

Phone #:

(575) 393-9174

Fax #:

(575) 397-1471

Project #:

BD P-26-2

Project Name:

Project Location:

T21S R37E Sec26 P ~ Lea County New Mexico

Sampler Signature:

Rozanne Johnson (505) 631-9310
rozanne@valornet.com

LAB #
(LAB USE ONLY)

FIELD CODE

Monitor Well #1

G

3

X

(G)rab or (C)omp

CONTAINERS

WATER

SOIL

AIR

SLUDGE

2

1

1-14

13:50

HCL (2 40ml VOA)

HNO₃

NaHSO₄

H₂SO₄

ICE (1-1 Liter HDPE)

NONE

DATE (2008)

TIME

MTBE 8021B/602

X

BTEX 8021B/602

TPH 418.1/TX1005 / TX1005 Extended (C35)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

TCLP Pesticides

RCI

GC/MS Vol. 8260B/624

GC/MS Semi. Vol. 8270C/625

PCB's 8082/608

Pesticides 8081A/608

BOD, TSS, pH

Moisture Content

X

Cations (Ca, Mg, Na, K)

X

Anions (Cl, SO₄, CO₃, HCO₃)

X

Total Dissolved Solids

Chlorides

Turn Around Time ~ 24 Hours

Relinquished by:

Date: Time:

Received by:

Date: Time:

Relinquished by:

Date: Time:

Received By: (Laboratory Staff)

Date: Time:

Delivered By: (Circle One)

Sample Condition

Yes

No

Cool

Yes

No

Intact

CHECKED BY:

(Initials)

Sampler UPS - Bus - Other:

Yes

No

Cool

Yes

No

Intact

CHECKED BY:

(Initials)

REMARKS:

Email Results to:

kpoppe@riceswd.com
lweinheimer@riceswd.com
rozanne@valornet.com

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB Order ID #

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 04/08/08
Reporting Date: 04/11/08
Project Number: NOT GIVEN
Project Name: BD P-26-2
Project Location: T21S R37E SEC26 P~LEA COUNTY, NM

Sampling Date: 04/04/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM/KS

LAB NUMBER SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:	04/11/08	04/10/08	04/10/08	04/11/08	04/09/08	04/09/08
H14599-1 MONITOR WELL #1	3,260	220	119	69.9	16,400	300
Quality Control	NR	49.2	50.0	3.53	1,429	NR
True Value QC	NR	50.0	50.0	3.00	1,413	NR
% Recovery	NR	98.5	100	118	101	NR
Relative Percent Difference	NR	2.8	1.6	2.9	0.4	NR

METHODS: SM3500-Ca-D 3500-Mg E 8049 120.1 310.1

	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	04/09/08	04/09/08	04/09/08	04/09/08	04/09/08	04/08/08
H14599-1 MONITOR WELL #1	5,300	437	0	366	7.51	10,100
Quality Control	490	25.6	NR	1000	7.04	NR
True Value QC	500	25.0	NR	1000	7.00	NR
% Recovery	98.0	102	NR	100	100	NR
Relative Percent Difference	< 0.1	4.7	NR	1.2	< 0.1	NR

METHODS: SM4500-Cl-B 375.4 310.1 310.1 150.1 160.1

Kristin Supido
Chemist

04/11/08
Date

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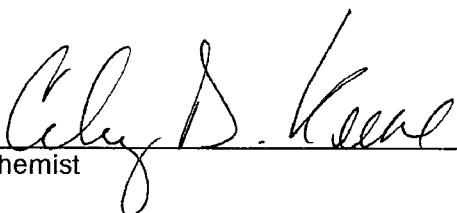
ANALYTICAL RESULTS FOR
 RICE OPERATING CO.
 ATTN: KRISTIN FARRIS-POPE
 122 W. TAYLOR ST.
 HOBBS, NM 88240
 FAX TO: (575) 397-1471

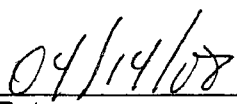
 Receiving Date: 04/08/08
 Reporting Date: 04/14/08
 Project Number: NOT GIVEN
 Project Name: BD P-26-2
 Project Location: T21S R37E SEC26 P ~ LEA CO., NM

 Sampling Date: 04/04/08
 Sample Type: WATER
 Sample Condition: COOL & INTACT
 Sample Received By: ML
 Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		04/11/08	04/11/08	04/11/08	04/11/08
H14599-1	MONITOR WELL #1	<0.001	<0.001	<0.001	<0.003
Quality Control		0.101	0.097	0.092	0.296
True Value QC		0.100	0.100	0.100	0.300
% Recovery		101	96.6	92.4	98.6
Relative Percent Difference		7.0	6.3	2.7	1.9

METHOD: EPA SW-846 8021B


 Chemist


 Date

[illegible]



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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
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HOBBS, NM 88240
FAX TO: (575) 397-1471

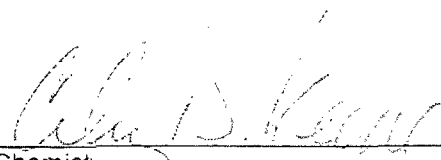
Receiving Date: 07/21/08
Reporting Date: 07/28/08
Project Number: NOT GIVEN
Project Name: BD P-26-2
Project Location: T21S R37E SEC26 P ~ LEA CO., NM

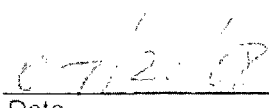
Sampling Date: 07/16/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: KS
Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE:		07/21/08	07/21/08	07/21/08	07/21/08
H15201-1	MONITOR WELL #1	<0.001	<0.001	<0.001	<0.003
H15201-2	MONITOR WELL #2	<0.001	<0.001	<0.001	<0.003
Quality Control		0.100	0.103	0.106	0.313
True Value QC		0.100	0.100	0.100	0.300
% Recovery		100	103	106	104
Relative Percent Difference		1.0	<0.1	2.8	<0.1

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist


Date

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ANALYTICAL RESULTS FOR
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ATTN: HACK CONDER
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 07/21/08
Reporting Date: 07/27/08
Project Number: NOT GIVEN
Project Name: BD P-26-2
Project Location: T21S R37E SEC26 P~LEA COUNTY, NM

Sampling Date: 07/16/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: KS
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		07/25/08	07/25/08	07/25/08	07/27/08	07/23/08	07/23/08
H15201-1	MONITOR WELL #1	3,250	208	131	80.6	14,900	300
H15201-2	MONITOR WELL #2	248	99.4	75.8	9.2	2,030	240
Quality Control		NR	52.1	51.0	3.03	1,416	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	104	102	101	100	NR
Relative Percent Difference		NR	< 0.1	< 0.1	5.1	0.1	NR

METHODS: SM3500-Ca-D 3500-Mg E 8049 120.1 310.1

		Cl (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		07/24/08	07/24/08	07/23/08	07/23/08	07/23/08	07/21/08
H15201-1	MONITOR WELL #1	5,300	448	0	366	7.30	9,870
H15201-2	MONITOR WELL #2	432	253	0	293	7.49	1,470
Quality Control		500	42.8	NR	976	7.01	NR
True Value QC		500	40.0	NR	1000	7.00	NR
% Recovery		100	107	NR	97.6	100	NR
Relative Percent Difference		< 0.1	6.2	NR	3.7	0.1	NR

METHODS: SM4500-Cl-B 375.4 310.1 310.1 150.1 160.1

Chemist

Date



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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 10/08/08
Reporting Date: 10/10/08
Project Number: NOT GIVEN
Project Name: BD P-26-2
Project Location: T21S-R37E-SEC26 P ~ LEA CO., NM

Sampling Date: 10/06/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: TR

LAB NUMBE	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		10/09/08	10/09/08	10/09/08	10/09/08	10/08/08	10/08/08
H16064-1	MONITOR WELL #1	3,340	281	146	88.1	15,600	300
H16064-2	MONITOR WELL #2	228	116	72.9	9.7	1,910	256
Quality Control		NR	48.1	51.0	3.01	1,419	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	96.2	102	100	100	NR
Relative Percent Difference		NR	<0.1	<0.1	0.7	0.4	NR

METHODS:	SM3500-Ca-D3500-Mg E	8049	120.1	310.1
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	Cl (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	10/08/08	10/09/08	10/08/08	10/08/08	10/08/08	10/09/08
H16064-1	5,600	473	0	366	7.11	10,700
H16064-2	384	289	0	312	7.35	1,350
Quality Control	490	43.9	NR	988	7.00	NR
True Value QC	500	40.0	NR	1000	7.00	NR
% Recovery	98.0	110	NR	98.8	100	NR
Relative Percent Difference	<0.1	3.9	NR	1.2	0.3	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
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Chemist

Date

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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

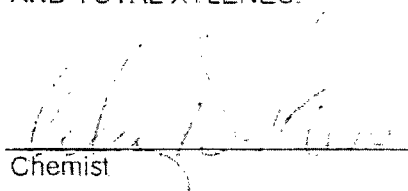
Receiving Date: 10/08/08
Reporting Date: 10/13/08
Project Number: NOT GIVEN
Project Name: BD P-26-2
Project Location: T21S-R37E-SEC26 P ~ LEA CO., NM

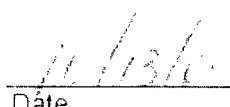
Sampling Date: 10/06/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		10/10/08	10/10/08	10/10/08	10/10/08
H16064-1	MONITOR WELL #1	<0.001	<0.001	<0.001	<0.003
H16064-2	MONITOR WELL #2	<0.001	<0.001	<0.001	<0.003
Quality Control		0.051	0.053	0.050	0.158
True Value QC		0.050	0.050	0.050	0.150
% Recovery		102	106	100	105
Relative Percent Difference		0.8	0.4	1.6	1.3

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist


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 no 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

ATTACHMENT C

Well Sampling Data Forms

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1
 SYSTEM: BD DATE: January 14, 2008
 SITE LOCATION: P-26-1 Vent SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 58.65 Feet
 DEPTH TO WATER: 49.80 Feet
 HEIGHT OF WATER COLUMN: 8.85 Feet
 WELL VOLUME: 1.4 Gal. 2 In. Well Diameter
6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Clear - No Odor
12:40	18.8	11.77	7.05	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1
SYSTEM: BD DATE: January 14, 2008
SITE LOCATION: P-26-2 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 59.45 Feet
DEPTH TO WATER: 47.39 Feet
HEIGHT OF WATER COLUMN: 12.06 Feet
WELL VOLUME: 1.9 Gal. 2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Clear - No Odor
13:50	17.2	15.83	7.29	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1
 SYSTEM: BD DATE: April 4, 2008
 SITE LOCATION: P-26-1 Vent SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 58.65 Feet
 DEPTH TO WATER: 50.00 Feet
 HEIGHT OF WATER COLUMN: 8.65 Feet
 WELL VOLUME: 1.4 Gal. 2 In. Well Diameter
6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
12:20	21.0	9.48	7.10	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1
 SYSTEM: BD DATE: April 4, 2008
 SITE LOCATION: P-26-2 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 59.45 Feet
 DEPTH TO WATER: 47.45 Feet
 HEIGHT OF WATER COLUMN: 12.00 Feet
 WELL VOLUME: 1.9 Gal. 2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
13:15	20.9	16.07	7.26	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1
 SYSTEM: BD DATE: July 16, 2008
 SITE LOCATION: P-26-1 Vent SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 58.65 Feet
 DEPTH TO WATER: 50.28 Feet
 HEIGHT OF WATER COLUMN: 8.37 Feet
 WELL VOLUME: 1.3 Gal. 2 In. Well Diameter
6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
9:40	21.6	6.99	7.18	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #2
 SYSTEM: BD DATE: July 16, 2008
 SITE LOCATION: P-26-1 Vent SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 64.39 Feet
 DEPTH TO WATER: 49.51 Feet
 HEIGHT OF WATER COLUMN: 14.88 Feet
 WELL VOLUME: 2.4 Gal. 2 In. Well Diameter
10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
8:50	21.4	1.38	7.57	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #3
SYSTEM: BD DATE: July 16, 2008
SITE LOCATION: P-26-1 Vent SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 64.60 Feet
DEPTH TO WATER: 49.20 Feet
HEIGHT OF WATER COLUMN: 15.40 Feet
WELL VOLUME: 2.5 Gal. 2 In. Well Diameter
10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
8:00	21.3	1.39	7.58	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1
 SYSTEM: BD DATE: July 16, 2008
 SITE LOCATION: P-26-2 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 59.45 Feet
 DEPTH TO WATER: 48.07 Feet
 HEIGHT OF WATER COLUMN: 11.38 Feet
 WELL VOLUME: 1.8 Gal. 2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
12:05	22.4	15.53	7.22	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #2
 SYSTEM: BD DATE: July 16, 2008
 SITE LOCATION: P-26-2 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 59.92 Feet
 DEPTH TO WATER: 47.11 Feet
 HEIGHT OF WATER COLUMN: 12.81 Feet
 WELL VOLUME: 2.0 Gal. 2 In. Well Diameter
10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
11:00	22.3	2.76	7.44	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS: _____

 Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

 Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1
 SYSTEM: BD DATE: October 6, 2008
 SITE LOCATION: P-26-1 Vent SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 58.65 Feet
 DEPTH TO WATER: 50.89 Feet
 HEIGHT OF WATER COLUMN: 7.76 Feet
 WELL VOLUME: 1.2 Gal. 2 In. Well Diameter
6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
9:50	21.0	8.34	6.99	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #2
 SYSTEM: BD DATE: October 6, 2008
 SITE LOCATION: P-26-1 Vent SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 64.39 Feet
 DEPTH TO WATER: 50.14 Feet
 HEIGHT OF WATER COLUMN: 14.25 Feet
 WELL VOLUME: 2.3 Gal. 2 In. Well Diameter
10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
9:00	20.5	1.40	7.53	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #3
 SYSTEM: BD DATE: October 6, 2008
 SITE LOCATION: P-26-1 Vent SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 64.60 Feet
 DEPTH TO WATER: 49.61 Feet
 HEIGHT OF WATER COLUMN: 14.99 Feet
 WELL VOLUME: 2.4 Gal. 2 In. Well Diameter
10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
8:10	20.1	1.42	7.46	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #1
 SYSTEM: BD DATE: October 6, 2008
 SITE LOCATION: P-26-2 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 59.45 Feet
 DEPTH TO WATER: 48.35 Feet
 HEIGHT OF WATER COLUMN: 11.10 Feet
 WELL VOLUME: 1.8 Gal. 2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
12:20	20.9	16.25	7.09	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: Monitor Well #2
 SYSTEM: BD DATE: October 6, 2008
 SITE LOCATION: P-26-2 SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: Purge Pump
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ SWD Disposal Facility

TOTAL DEPTH OF WELL: 59.92 Feet
 DEPTH TO WATER: 47.38 Feet
 HEIGHT OF WATER COLUMN: 12.54 Feet
 WELL VOLUME: 2.0 Gal. 2 In. Well Diameter
10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
				Sand to Clear with no odor.
11:15	21.1	2.11	7.32	Samples Collected
				BTEX (2-40ml VOA)
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Lab in Hobbs, New Mexico for BTEX, Major Ions, and TDS analysis.

