

AP - 97

ANNUAL MONITORING REPORT

YEAR(S):
2010



CERTIFIED MAIL RECEIPT NO. 7010 2250 0001 4928 0117

March 11, 2011

RECEIVED

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

MAR 14 2011

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

**RE: 2010 ANNUAL GROUNDWATER MONITORING REPORT
BD P-26-1 VENT AND JCT. P-26-2 SITES (AP-97)
T21S, R37E, SECTION 26, UNIT LETTER P
LEA COUNTY, NEW MEXICO**

Mr. Hansen:

On behalf of Rice Operating Company (ROC), Trident Environmental takes this opportunity to submit the 2010 Annual Groundwater Monitoring Report for the BD P-26-1 Vent and BD Jct. 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 Parties, 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, please contact Hack Conder at (575) 393-9174.

Sincerely,

A handwritten signature in black ink, appearing to read "Gilbert J. Van Deventer". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Gilbert J. Van Deventer, REM, PG

cc: Hack Conder (Rice Operating Co., Hobbs, NM)

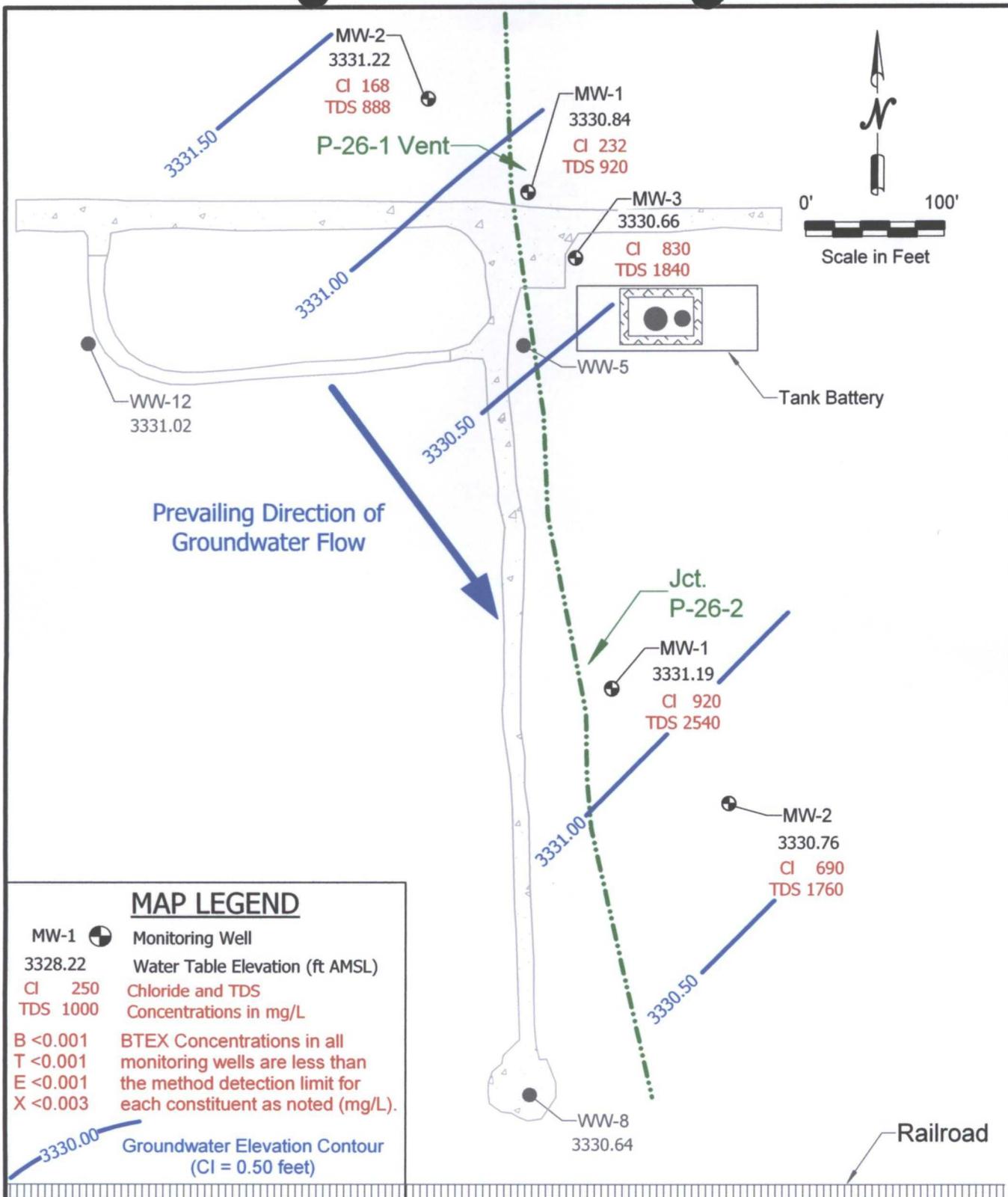
enclosures: map, tables, and graphs

ATTACHMENT A

Site Map

Table

Graphs



MAP LEGEND

- MW-1 Monitoring Well
- 3328.22 Water Table Elevation (ft AMSL)
- Cl 250 Chloride and TDS
- TDS 1000 Concentrations in mg/L
- B <0.001 BTEX Concentrations in all
- T <0.001 monitoring wells are less than
- E <0.001 the method detection limit for
- X <0.003 each constituent as noted (mg/L).

3330.00 Groundwater Elevation Contour
(Cl = 0.50 feet)

Sampling Date: October 8, 2010



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

WATER TABLE ELEVATIONS AND
CHLORIDE, TDS, and BTEX
CONCENTRATIONS IN
GROUNDWATER
Fourth Quarter 2010



TABLE 1

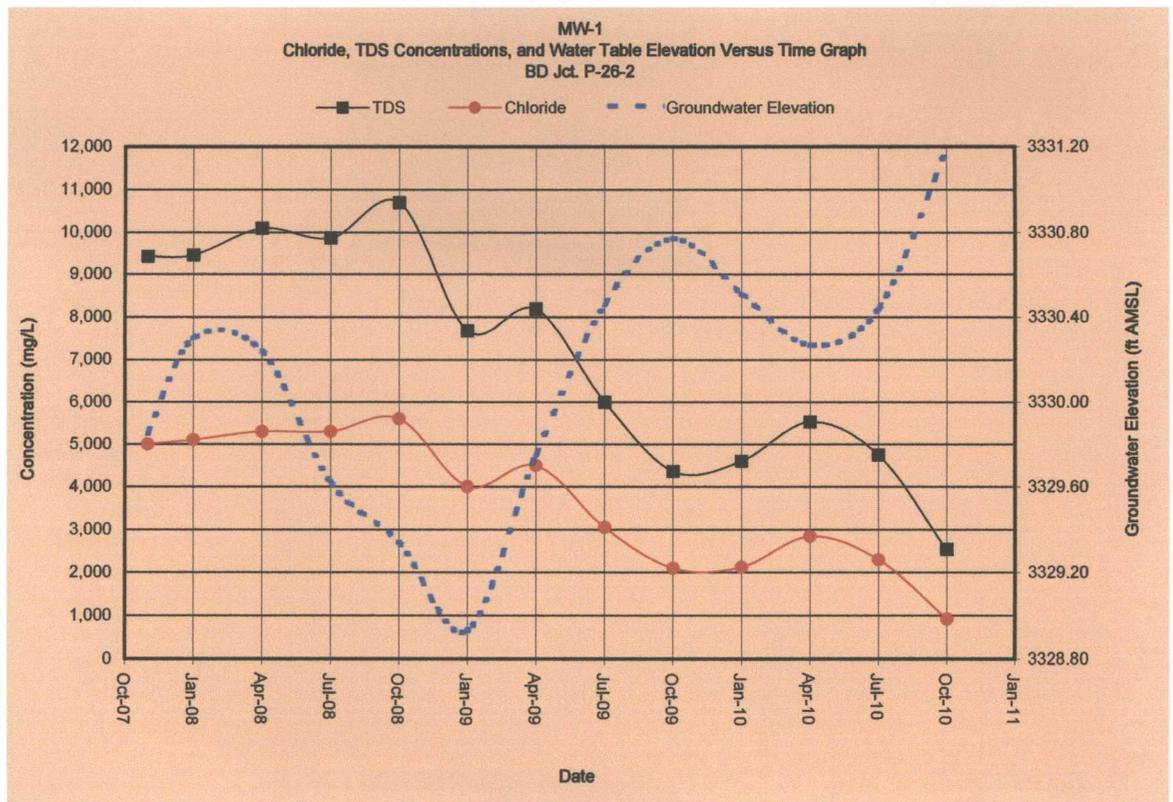
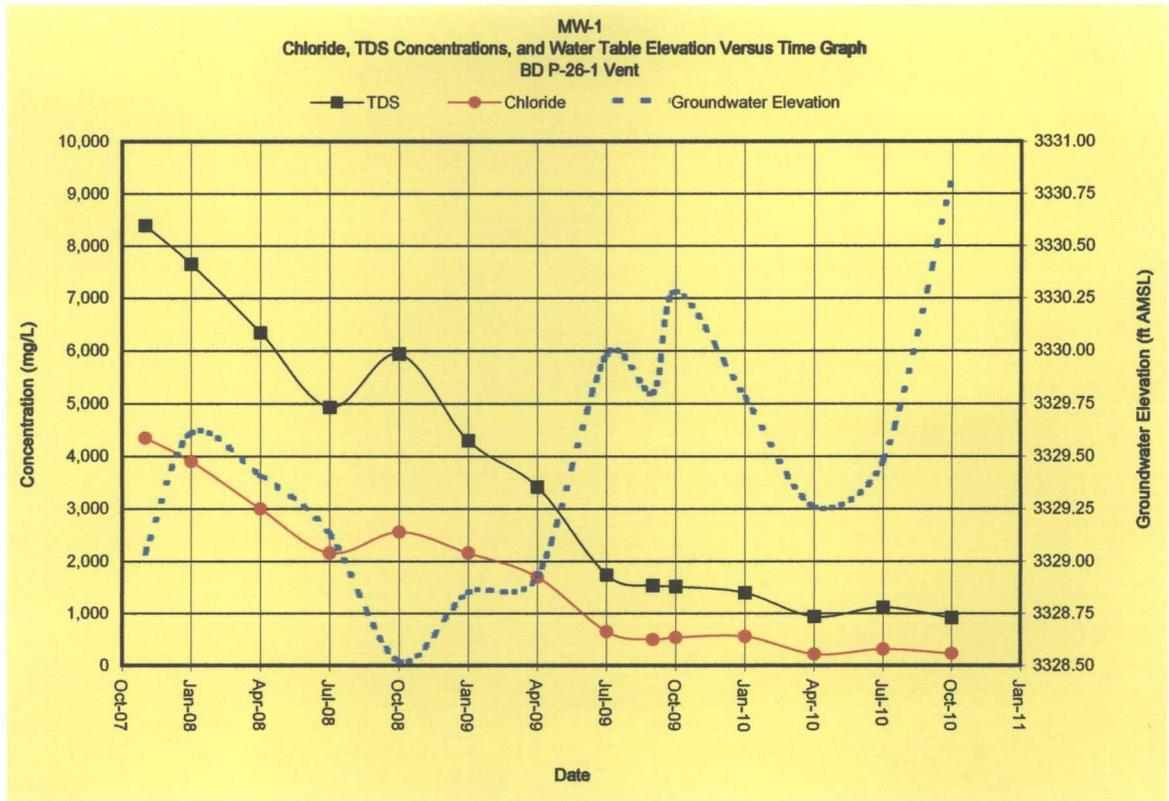
SUMMARY OF GROUNDWATER MONITORING RESULTS

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)
BD P-26-1 Vent	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
		01/16/09	50.56	3328.85	2,160	4,300	<0.001	<0.001	<0.001	<0.003
		04/15/09	50.48	3328.93	1,700	3,420	<0.001	<0.001	<0.001	<0.003
		07/15/09	49.43	3329.98	650	1,740	<0.001	<0.001	<0.001	<0.003
		09/07/09	49.61	3329.80	500	1,540	<0.001	<0.001	<0.001	<0.003
		10/09/09	49.13	3330.28	540	1,520	<0.001	<0.001	<0.001	<0.003
		01/15/10	49.63	3329.78	560	1400	<0.001	<0.001	<0.001	<0.003
		04/13/10	50.15	3329.26	220	941	<0.001	<0.001	<0.001	<0.003
		07/13/10	49.93	3329.48	316	1120	<0.001	<0.001	<0.001	<0.003
	10/08/10	48.57	3330.84	232	920	<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
		01/16/09	49.72	3329.51	192	913	<0.001	<0.001	<0.001	<0.003
		04/15/09	49.71	3329.52	188	932	<0.001	<0.001	<0.001	<0.003
		07/15/09	48.62	3330.61	192	887	<0.001	<0.001	<0.001	<0.003
		09/07/09	48.70	3330.53	180	920	<0.001	<0.001	<0.001	<0.003
		10/09/09	48.46	3330.77	180	895	<0.001	<0.001	<0.001	<0.003
		01/15/10	48.62	3330.61	328	1040	<0.001	<0.001	<0.001	<0.003
		04/13/10	49.13	3330.10	192	896	<0.001	<0.001	<0.001	<0.003
		07/13/10	48.97	3330.26	196	848	<0.001	<0.001	<0.001	<0.003
	10/08/10	48.01	3331.22	168	888	<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
		01/16/09	49.33	3328.55	208	896	<0.001	<0.001	<0.001	<0.003
		04/15/09	49.31	3328.57	204	924	<0.001	<0.001	<0.001	<0.003
		07/15/09	48.06	3329.82	176	895	<0.001	<0.001	<0.001	<0.003
		09/07/09	48.18	3329.70	184	898	<0.001	<0.001	<0.001	<0.003
		10/09/09	48.02	3329.86	204	930	<0.001	<0.001	<0.001	<0.003
		01/15/10	48.36	3329.52	328	1150	<0.001	<0.001	<0.001	<0.003
04/13/10		49.12	3328.76	460	1290	<0.001	<0.001	<0.001	<0.003	
07/13/10		48.91	3328.97	450	1170	<0.001	<0.001	<0.001	<0.003	
10/08/10	47.22	3330.66	830	1840	<0.001	<0.001	<0.001	<0.003		



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)
BD Jct. P-26-2	MW-1	11/12/07	47.84	3329.85	5,000	9,415	<0.002	<0.002	<0.002	<0.006
		01/14/08	47.39	3330.30	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
		01/16/09	48.76	3328.93	4,000	7,680	<0.001	<0.001	<0.001	<0.003
		04/15/09	47.94	3329.75	4,500	8,190	<0.001	<0.001	<0.001	<0.003
		07/15/09	47.23	3330.46	3,050	6,000	<0.001	<0.001	<0.001	<0.003
		10/09/09	46.92	3330.77	2,100	4,360	<0.001	<0.001	<0.001	<0.003
		01/15/10	47.18	3330.51	2120	4600	<0.001	<0.001	<0.001	<0.003
		04/13/10	47.42	3330.27	2850	5530	<0.001	<0.001	<0.001	<0.003
		07/13/10	47.25	3330.44	2300	4750	<0.001	<0.001	<0.001	<0.003
	10/08/10	46.50	3331.19	920	2540	<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
		01/16/09	47.83	3328.69	400	1,360	<0.001	<0.001	<0.001	<0.003
		04/15/09	46.99	3329.53	412	1,370	<0.001	<0.001	<0.001	<0.003
		07/15/09	46.47	3330.05	432	1,420	<0.001	<0.001	<0.001	<0.003
		10/09/09	46.11	3330.41	480	1,470	<0.001	<0.001	<0.001	<0.003
		01/15/10	46.35	3330.17	590	1660	<0.001	<0.001	<0.001	<0.003
04/13/10		46.52	3330.00	690	1720	<0.001	<0.001	<0.001	<0.003	
07/13/10	46.37	3330.15	820	1940	<0.001	<0.001	<0.001	<0.003		
10/08/10	45.76	3330.76	690	1760	<0.001	<0.001	<0.001	<0.003		





October 18, 2010

Hack Conder
Rice Operating Company
112 W. Taylor
Hobbs, NM 88240

RE: BD P-26-1 VENT

Enclosed are the results of analyses for samples received by the laboratory on 10/12/10 12:33.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A rectangular box containing a handwritten signature in cursive script that reads "Celey D. Keene". The signature is written in black ink on a light-colored background.

Celey D. Keene
Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received:	10/12/2010	Sampling Date:	10/08/2010
Reported:	10/18/2010	Sampling Type:	Water
Project Name:	BD P-26-1 VENT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	T21S R37E SEC26 P-LEA CTY., NM		

Sample ID: MONITOR WELL #1 (H021037-01)

BTX 8021B		mg/L		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.001	0.001	10/13/2010	ND	0.018	88.5	0.0200			
Toluene*	<0.001	0.001	10/13/2010	ND	0.017	87.4	0.0200			
Ethylbenzene*	<0.001	0.001	10/13/2010	ND	0.018	89.2	0.0200			
Total Xylenes*	<0.003	0.003	10/13/2010	ND	0.052	86.1	0.0600			

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 80-120

Chloride, SM4500C1-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	232	4.00	10/18/2010	ND	100	100	100	0.00		

Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate	182	10.0	10/18/2010	ND	38.9	97.2	40.0	5.36		

TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS	920	5.00	10/13/2010	ND				10.8		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received:	10/12/2010	Sampling Date:	10/08/2010
Reported:	10/18/2010	Sampling Type:	Water
Project Name:	BD P-26-1 VENT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	T21S R37E SEC26 P-LEA CTY., NM		

Sample ID: MONITOR WELL #2 (H021037-02)

BTEX 8021B		mg/L		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.001	0.001	10/13/2010	ND	0.018	88.5	0.0200			
Toluene*	<0.001	0.001	10/13/2010	ND	0.017	87.4	0.0200			
Ethylbenzene*	<0.001	0.001	10/13/2010	ND	0.018	89.2	0.0200			
Total Xylenes*	<0.003	0.003	10/13/2010	ND	0.052	86.1	0.0600			

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 80-120

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	168	4.00	10/18/2010	ND	100	100	100	0.00		

Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate	167	10.0	10/18/2010	ND	38.9	97.2	40.0	5.36		

TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS	888	5.00	10/13/2010	ND				10.8		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received:	10/12/2010	Sampling Date:	10/08/2010
Reported:	10/18/2010	Sampling Type:	Water
Project Name:	BD P-26-1 VENT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	T21S R37E SEC26 P-LEA CTY., NM		

Sample ID: MONITOR WELL #3 (H021037-03)

BTEX 8021B		mg/L		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.001	0.001	10/13/2010	ND	0.018	88.5	0.0200			
Toluene*	<0.001	0.001	10/13/2010	ND	0.017	87.4	0.0200			
Ethylbenzene*	<0.001	0.001	10/13/2010	ND	0.018	89.2	0.0200			
Total Xylenes*	<0.003	0.003	10/13/2010	ND	0.052	86.1	0.0600			

Surrogate: 4-Bromofluorobenzene (PIL) 99.7% 80-120

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	830	4.00	10/18/2010	ND	100	100	100	0.00		

Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate	142	10.0	10/18/2010	ND	38.9	97.2	40.0	5.36		

TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS	1840	5.00	10/13/2010	ND				10.8		

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

October 18, 2010

Hack Conder
Rice Operating Company
112 W. Taylor
Hobbs, NM 88240

RE: BD JUNCTION P-26-2

Enclosed are the results of analyses for samples received by the laboratory on 10/12/10 12:33.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style and is placed over a rectangular area with a textured, stippled background.

Celey D. Keene
Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 10/12/2010
 Reported: 10/18/2010
 Project Name: BD JUNCTION P-26-2
 Project Number: NONE GIVEN
 Project Location: T21S R37E SEC26 P-LEA CTY., NM

Sampling Date: 10/08/2010
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: MONITOR WELL #1 (H021038-01)

BTEX 8021B		mg/L		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.001	0.001	10/13/2010	ND	0.018	88.5	0.0200			
Toluene*	<0.001	0.001	10/13/2010	ND	0.017	87.4	0.0200			
Ethylbenzene*	<0.001	0.001	10/13/2010	ND	0.018	89.2	0.0200			
Total Xylenes*	<0.003	0.003	10/13/2010	ND	0.052	86.1	0.0600			

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 80-120

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	920	4.00	10/18/2010	ND	108	108	100	3.77		

Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate	437	10.0	10/18/2010	ND	38.9	97.2	40.0	5.36		

TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS	2540	5.00	10/13/2010	ND				10.8		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received: 10/12/2010
 Reported: 10/18/2010
 Project Name: BD JUNCTION P-26-2
 Project Number: NONE GIVEN
 Project Location: T21S R37E SEC26 P-LEA CTY., NM

Sampling Date: 10/08/2010
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: MONITOR WELL #2 (H021038-02)

BTEX 8021B		mg/L		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.001	0.001	10/13/2010	ND	0.018	88.5	0.0200			
Toluene*	<0.001	0.001	10/13/2010	ND	0.017	87.4	0.0200			
Ethylbenzene*	<0.001	0.001	10/13/2010	ND	0.018	89.2	0.0200			
Total Xylenes*	<0.003	0.003	10/13/2010	ND	0.052	86.1	0.0600			

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 80-120

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	690	4.00	10/18/2010	ND	108	108	100	3.77		

Sulfate 375.4		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Sulfate	246	10.0	10/18/2010	ND	38.9	97.2	40.0	5.36		

TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS	1760	5.00	10/13/2010	ND				10.8		

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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