

1R - 426-40

REPORTS

DATE:

1/28/2005

CERTIFIED MAIL
RETURN RECEIPT NO. 7099 3400 0017 1737 2572



January 28, 2005

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

**RE: ANNUAL GROUNDWATER MONITORING REPORT
BD J-26 JUNCTION BOX SITE
T21S, R37E, SECTION 26, UNIT LETTER J
NMOCD CASE # 1R0426-40**

Mr. Price:

RICE Operating Company (ROC) has retained Trident Environmental to submit this annual groundwater monitoring report for the above-referenced site. ROC is the service provider (operator) for the Blinebry-Drinkard (BD) SWD System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis. This 2004 annual report documents the installation of two additional monitoring wells and four subsequent quarterly groundwater sampling events as described in the work plan submitted on June 20, 2003, which was approved by the OCD on June 27, 2003.

Installation of Groundwater Monitoring Wells

In accordance with the work plan, monitoring well MW-2 was installed approximately 220 feet down gradient (south-southeast) of the former J-26 junction box leak location (MW-1) and monitoring well MW-3 approximately 150 feet upgradient (northwest) of MW-1 on August 19, 2003.

The monitoring well locations are depicted in Figure 1A. During drilling operations, soil samples were collected periodically (five feet intervals) and field-tested for chloride using the titration method. A lithologic log and well completion diagram of the subsurface soils encountered, conditions observed, chloride field tests, and construction details for monitoring wells MW-2 and MW-3 are included in Appendix A. The wells were completed with 5 feet of the well screen above the surface of the water table and approximately 10 feet below the water table. A registered surveyor (Basin Surveys of Hobbs, NM) determined the elevation of the top of casing, ground surface elevation, and the New Mexico State Plane coordinates of each monitoring well.

Groundwater Gauging, Purging, and Sampling Procedures

Prior to sampling, each monitoring well (MW-1, MW-2, and MW-3) was gauged for depth to groundwater using a GeoTech Model oil/water interface probe. Each monitoring well designated for groundwater sampling was purged by hand bailing with a new disposable bailer. Groundwater

parameters, including pH, conductivity, and temperature were measured during the purging operation using a Hanna Model 98130 multi-parameter instrument. A record of all parameter readings, purge volumes and purge water disposition is included on the well sample data forms in Appendix B.

All groundwater samples were obtained following the purging operation using a new, decontaminated, disposable bailer. The first set of water samples were transferred into airtight, septum-sealed, 40-ml glass VOA sample vials with zero headspace for analysis of BTEX using EPA Method 8021B. The second set was transferred into 500 ml plastic containers for analysis of major ions and total dissolved solids (TDS). Chain-of-custody (COC) forms documenting sample identification numbers, collection times, and delivery times to the laboratories were completed for each set of samples. The water samples were placed in an ice-filled cooler immediately after collection and delivered to Environmental Lab of Texas in Odessa, Texas for laboratory analysis. The laboratory reports and COC documentation are included in Appendix C.

Groundwater Elevations, Hydraulic Gradient and Flow Direction

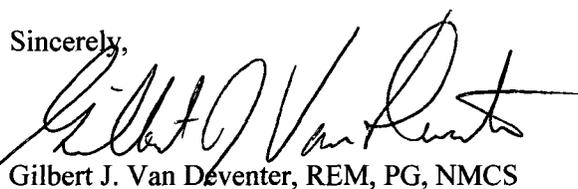
Groundwater elevation maps depicting the water table elevation and direction of groundwater flow using the gauging data obtained during the four 2004 sampling events are presented in Figure 1A (February 18, 2004), Figure 1B (May 5, 2004), Figure 1C (August 10, 2004), and Figure 1D (November 9, 2004). The groundwater elevation contours were determined using the Surfer® (version 6.0) contour modeling program. The kriging grid method, quadratic variogram model, and linear drift options provided the most accurate contours. Historical groundwater elevations and depth to water measurements are summarized in Table 1.

Distribution of Dissolved Hydrocarbons and WQCC Ions in Groundwater

Historical groundwater sample analytical results for BTEX and major ions are presented in Table 1. The WQCC standards are listed in the tables for comparison and constituents with concentrations above the WQCC standards are highlighted in boldface type. A graph that depicts the historic concentrations of chlorides and TDS, and groundwater elevation versus time for monitoring well MW-1 is provided in Figure 2. Graphs of the historical chloride and TDS concentrations for all monitoring wells are depicted in Figures 3 and 4, respectively.

An Investigation and Characterization Work Plan for additional assessment needs is being prepared by Trident Environmental and will be submitted to the OCD for approval by February 1, 2005. If you have any questions please contact Kristin Farris Pope or myself.

Sincerely,



Gilbert J. Van Deventer, REM, PG, NMCS

cc: CDH, KFP, file

enclosures: tables, graphs, maps, and supporting documentation

APPENDIX A

Lithologic Logs and Well Construction Diagrams
(MW-2 and MW-3)

LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

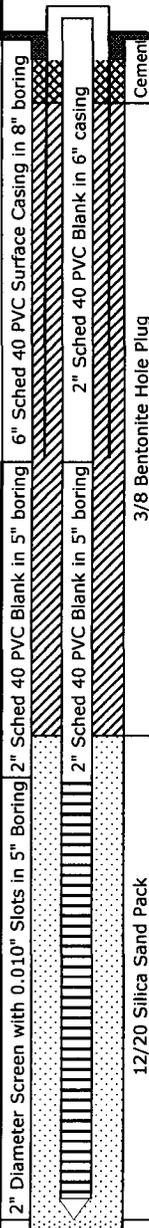


PO BOX 7624
MIDLAND, TEXAS 79708

MONITOR WELL NO.: MW-2
SITE ID: BD J-26
SURFACE ELEVATION: 3372.6
CONTRACTOR: Eades Drilling & Pump Service
DRILLING METHOD: Air Rotary
START DATE: 08/19/03
COMPLETION DATE: 08/19/03
COMMENTS: Located ~220 ft southeast of MW-1 inside southeast corner of fenced pump station.

TOTAL DEPTH: 56 Feet
CLIENT: Rice Operating Company
COUNTY: Lea
STATE: New Mexico
LOCATION: T21S-R37E-Sec 26-Unit J
FIELD REP.: G. Van Deventer
FILE NAME: Projects/Rice/MW_Diagram.xls

LITH.	USCS	Sample			Chloride (ppm)	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
		Depth	Time	Type		
	SM		1210	Surface		Very fine grained loamy sand, slightly calcareous, brown (10 YR 5/3)
	CAL/ SM	5	1212	Cuttings	218	Caliche with varying amounts of very fine to fine-grained sand in matrix. Caliche is moderately hard and is very pale orange (10 YR 8/2). Sand is pale yellowish brown (10 YR 6/2), moderately well sorted, subangular grains.
		10	1213	Cuttings	129	Caliche with varying amounts of very fine to fine-grained sand in matrix. Unconsolidated and very loose from approx. 10 ft to 12 ft. Note: Due to hole-caving conditions (~10 ft to 12 ft) during drilling the boring was reamed with an 8" drill bit to 20 ft and a 20 ft length of 6" surface casing was set from surface to resume drilling with a 5" drill bit and completing the monitoring well.
		15	1214	Cuttings	214	Caliche with varying amounts of very fine to fine-grained sand in matrix. Caliche is moderately hard and is very pale orange (10 YR 8/2). Sand is pale yellowish brown (10 YR 6/2), moderately well sorted, subangular grains.
		20	1215	Cuttings	280	Caliche with varying amounts of very fine to fine-grained sand in matrix. Caliche is moderately hard and is very pale orange (10 YR 8/2). Sand is pale yellowish brown (10 YR 6/2), moderately well sorted, subangular grains.
		25	1221	Cuttings	147	Caliche with varying amounts of very fine to fine-grained sand in matrix. Caliche is moderately hard and is very pale orange (10 YR 8/2). Sand is pale yellowish brown (10 YR 6/2), moderately well sorted, subangular grains.
		30	1224	Cuttings	167	Caliche with varying amounts of very fine to fine-grained sand in matrix. Caliche is moderately hard and is very pale orange (10 YR 8/2). Sand is pale yellowish brown (10 YR 6/2), moderately well sorted, subangular grains.
	SM/ CAL	35	1228	Cuttings	152	Caliche with varying amounts of very fine to fine-grained sand in matrix. Caliche is moderately hard and is very pale orange (10 YR 8/2). Sand is pale yellowish brown (10 YR 6/2), moderately well sorted, subangular grains.
		40	1244	Cuttings		Calcareous fine to medium-grained sand (less caliche with depth), grayish orange pink (5YR 7/2) Groundwater encountered at approximately 42 ft below ground surface.
	SW	45	1545	Cuttings		Calcareous fine to medium-grained sand (less caliche with depth), grayish orange pink (5YR 7/2)
		50	1547	Cuttings		Fine to medium-grained sand, slightly moist, moderately well sorted, subrounded, light brown (5YR 6/4)
		55	1550	Cuttings		Fine to medium-grained sand, slightly moist, moderately well sorted, subrounded, pale reddish brown (10R 5/4) Bottom of boring at 57 ft below ground surface.
		60				



LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

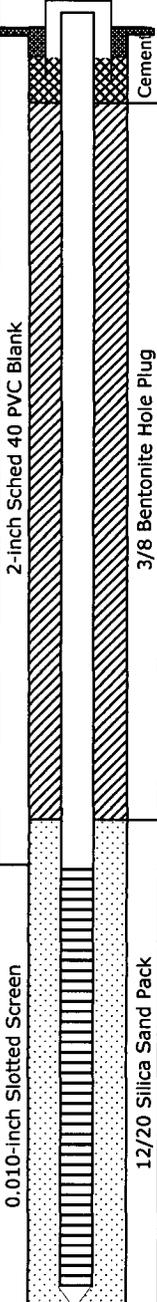


PO BOX 7624
MIDLAND, TEXAS 79708

MONITOR WELL NO.: MW-3
SITE ID: BD J-26
SURFACE ELEVATION: 3373.3
CONTRACTOR: Eades Drilling & Pump Service
DRILLING METHOD: Air Rotary
START DATE: 08/19/03
COMPLETION DATE: 08/19/03
COMMENTS: Located ~150 ft north-northwest of MW-1.

TOTAL DEPTH: 57 Feet
CLIENT: Rice Operating Company
COUNTY: Lea
STATE: New Mexico
LOCATION: T21S-R37E-Sec 26-Unit J
FIELD REP.: G. Van Deventer
FILE NAME: Projects/Rice/MW_Diagram.xls

LITH.	USCS	Sample			Chloride (ppm)	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
		Depth	Time	Type		
	SM		0913	Surface		Very fine grained loamy sand, slightly calcareous, brown (10 YR 5/3)
	CAL/SM	5	0915	Cuttings	234	Sandy caliche, grayish orange pink (5YR 7/2). Caliche is soft to moderately hard. Sand is very fine to fine-grained. moderately well sorted. subrounded grains.
		10	0918	Cuttings	241	Sandy caliche, grayish orange pink (5YR 7/2). Caliche is soft to moderately hard. Sand is very fine to fine-grained. moderately well sorted. subrounded grains.
		15	0922	Cuttings	359	Sandy caliche, grayish orange pink (5YR 7/2). Caliche is soft to moderately hard. Sand is very fine to fine-grained. moderately well sorted. subrounded grains.
		20	0925	Cuttings	156	Sandy caliche, grayish orange pink (5YR 7/2). Caliche is soft to moderately hard. Sand is very fine to fine-grained. moderately well sorted. subrounded grains.
	CAL/SM	25	0930	Cuttings	165	Highly calcareous sand. Caliche is moderately hard. Sand is very fine-grained, moderately well sorted. subangular grains. Very pale orange (10 YR 8/2).
		30	0933	Cuttings	217	Highly calcareous sand. Caliche is moderately hard. Sand is very fine-grained, moderately well sorted. subangular grains. Very pale orange (10 YR 8/2).
		35	0935	Cuttings	179	Highly calcareous sand. Caliche is moderately hard. Sand is very fine-grained, moderately well sorted. subangular grains. Very pale orange (10 YR 8/2).
		40	0940	Cuttings	125	Groundwater encountered at approximately 40 ft below ground surface. Highly calcareous sand. Caliche is moderately hard. Sand is very fine-grained, moderately well sorted. subangular grains. slightly moist. Very pale orange (10 YR 8/2).
	SW	45	1005	Cuttings		Fine to medium-grained sand, slightly calcareous, moderately well sorted, subangular. slightly moist. light brown (5YR 6/4)
		50	1010	Cuttings		Fine to medium-grained sand, moderately moist, moderately well sorted, subangular. light brown (5YR 5/6)
		55	1015	Cuttings		Fine to medium-grained sand, moderately moist, moderately well sorted, subangular. light brown (5YR 5/6)
		60				Bottom of boring at 57 ft below ground surface.



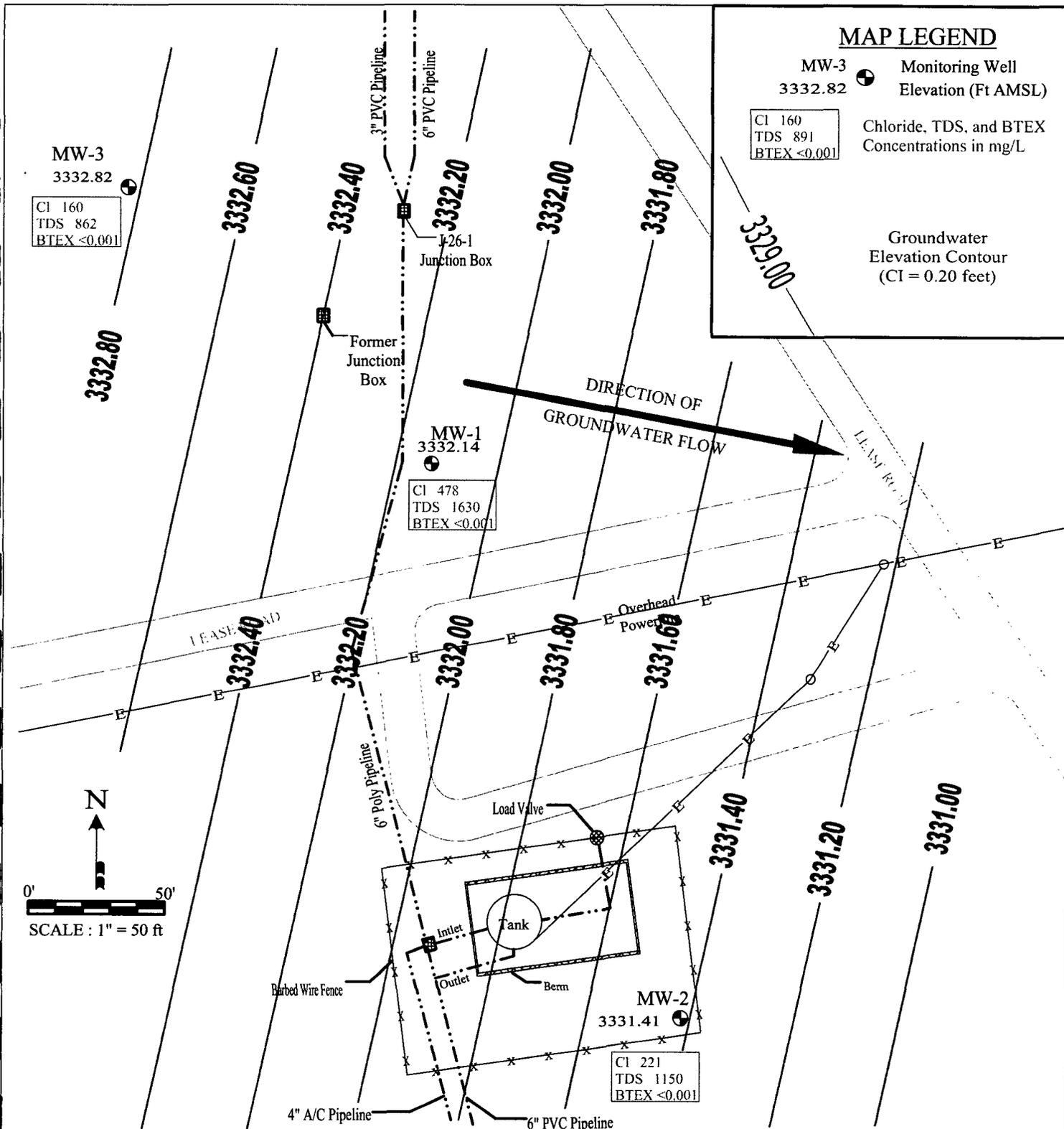
APPENDIX B

Site Maps

Tables

Graphs

Well Sampling Data Forms



Client: Rice Operating Company

Sampling Date: February 18, 2004

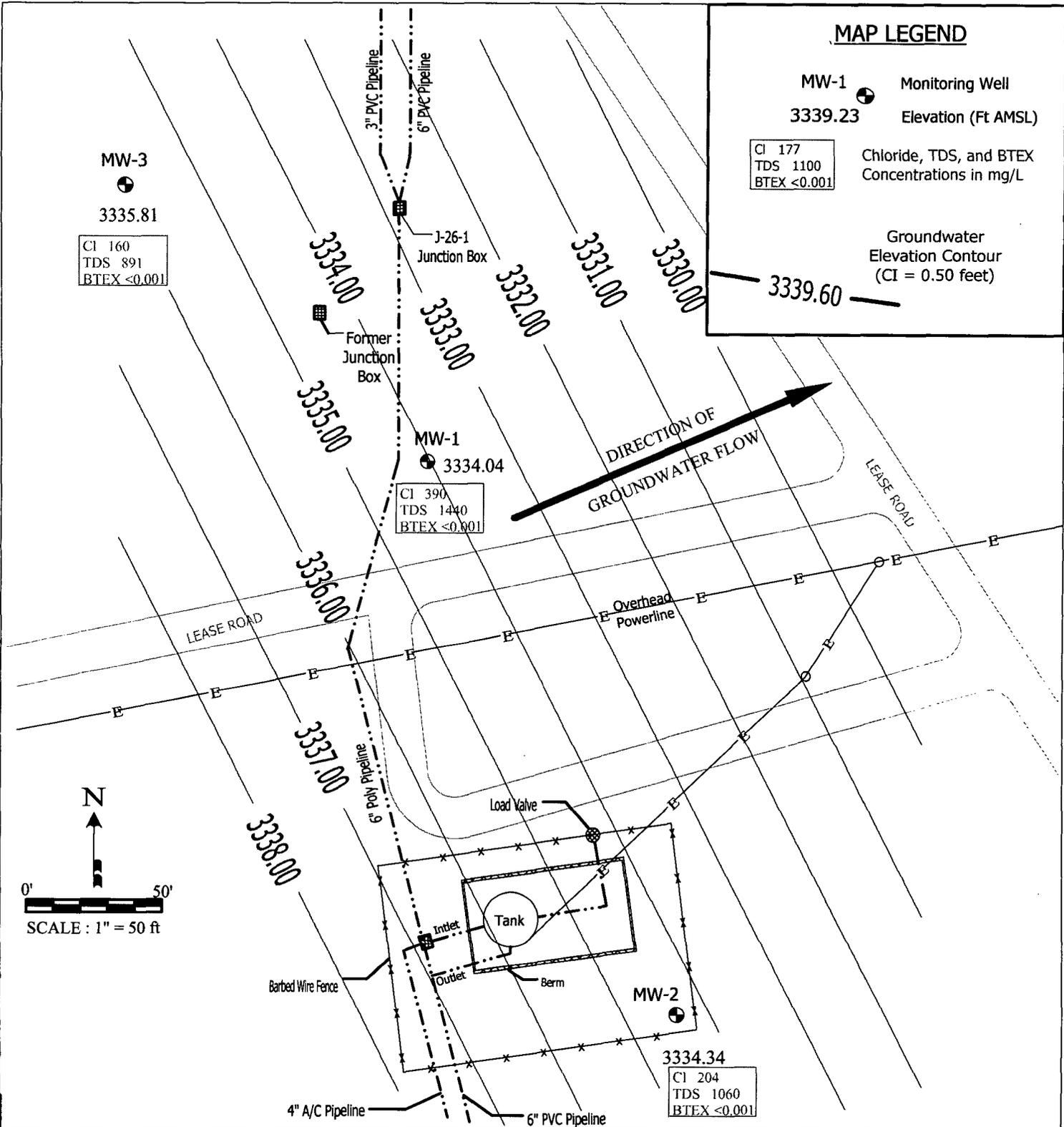
Author: GJV

Checked By: DTL

File: Projects/Rice/BD/J-26/J26SiteMap

FIGURE 1A
BLINEBRY-DRINKARD SYSTEM
J-26 SITE MAP

FEBRUARY 18, 2004



MAP LEGEND

MW-1 Monitoring Well
 3339.23 Elevation (Ft AMSL)

CI 177
 TDS 1100
 BTEX <0.001
 Chloride, TDS, and BTEX
 Concentrations in mg/L

Groundwater
 Elevation Contour
 (CI = 0.50 feet)

MW-3

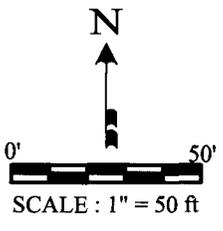
 3335.81
 CI 160
 TDS 891
 BTEX <0.001

MW-1

 3334.04
 CI 390
 TDS 1440
 BTEX <0.001

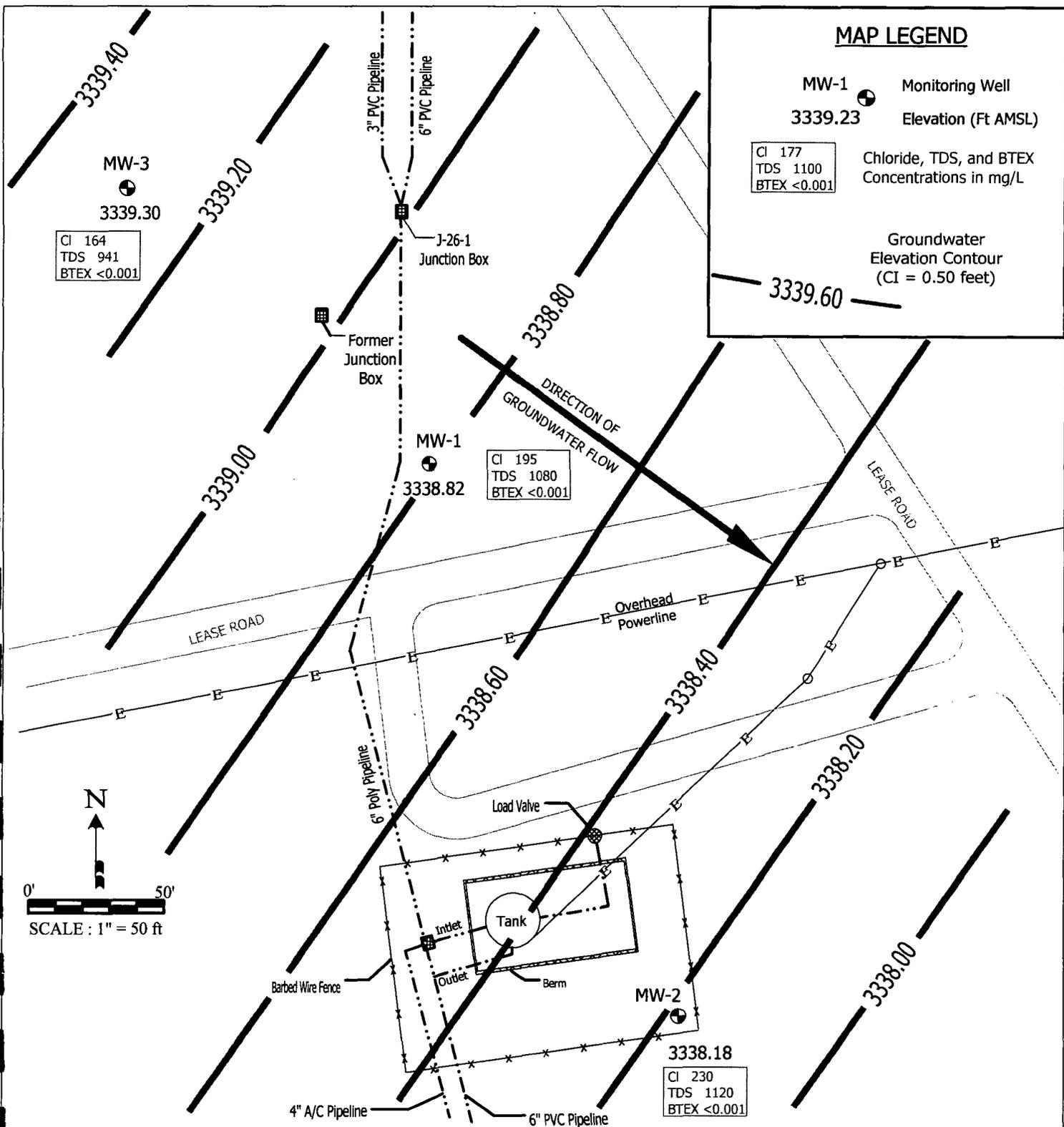
MW-2

 3334.34
 CI 204
 TDS 1060
 BTEX <0.001



Client: Rice Operating Company
 Sampling Date: May 5, 2004
 Author: GJV
 File: Projects/Rice/BD/J-26/J26SiteMap

FIGURE 1B
BLINEBRY-DRINKARD SYSTEM
J-26 SITE MAP
MAY 5, 2004



Client: Rice Operating Company

Sampling Date: August 10, 2004

Author: GJV

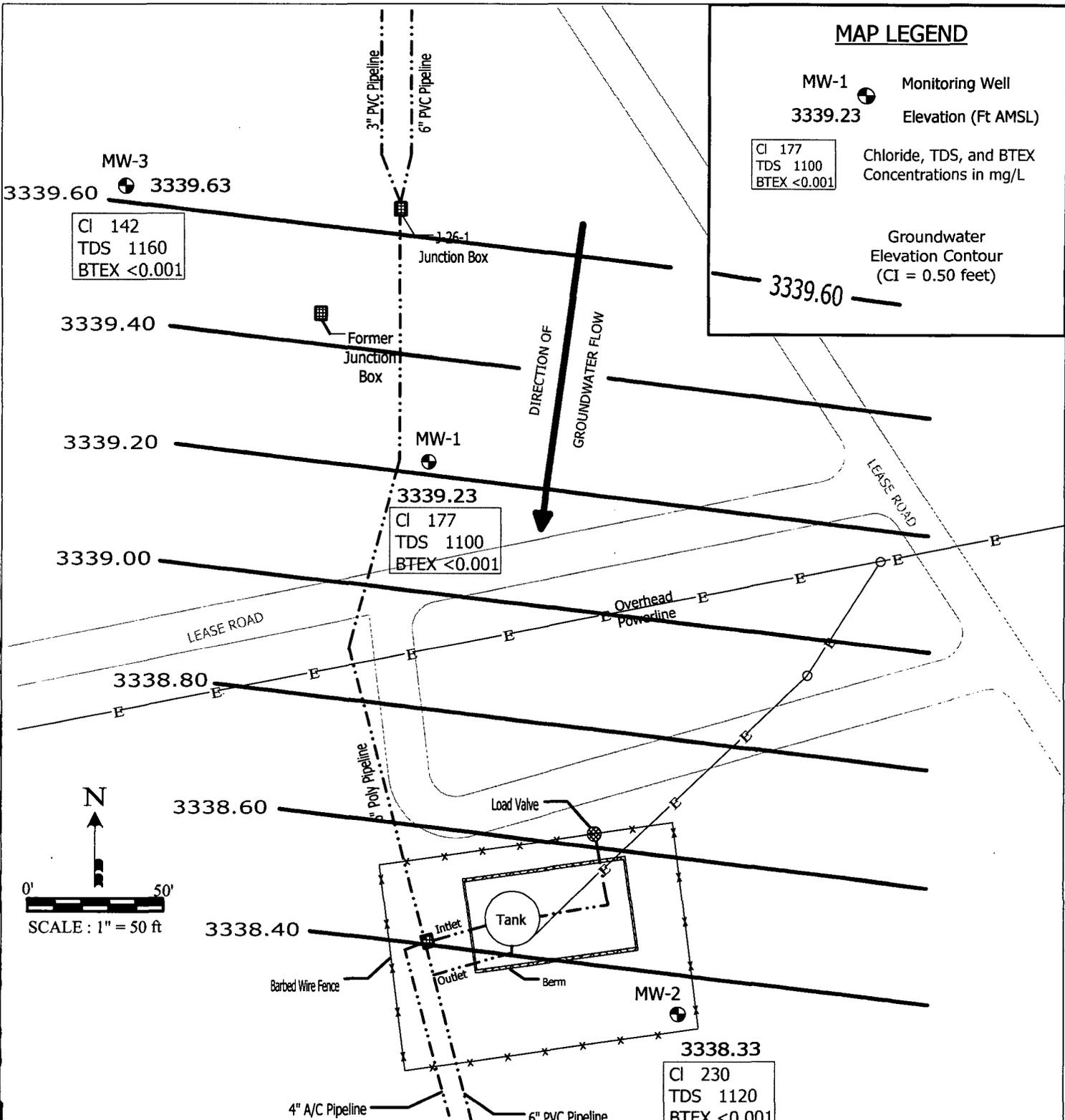
File: Projects/Rice/BD/J-26/J26SiteMap

FIGURE 1C

BLINEBRY-DRINKARD SYSTEM

J-26 SITE MAP

AUGUST 10, 2004



Client: Rice Operating Company

Sampling Date: November 9, 2004

Author: GJV

File: Projects/Rice/BD/J-26/J26SiteMap

FIGURE 1D

BLINEBRY-DRINKARD SYSTEM

J-26 SITE MAP

NOVEMBER 9, 2004

Table 1
Summary of Groundwater Sampling Results
BD J-26 Junction Box

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)
MW-1	10/29/02	43.02	3332.82	4520	9020	< 0.001	< 0.001	< 0.001	< 0.001
	02/28/03	42.33	3333.51	3470	6870	< 0.001	< 0.001	< 0.001	< 0.001
	06/05/03	43.00	3332.84	1460	3280	< 0.001	< 0.001	< 0.001	< 0.001
	08/22/03	43.72	3332.12	957	2620	< 0.001	< 0.001	< 0.001	< 0.001
	10/30/03	43.91	3331.93	620	2040	< 0.001	< 0.001	< 0.001	< 0.001
	02/18/04	43.70	3332.14	478	1630	< 0.001	< 0.001	< 0.001	< 0.001
	05/05/04	40.80	3335.04	390	1440	< 0.001	< 0.001	< 0.001	< 0.001
	07/08/04	40.80	3335.04	230	1140	< 0.001	< 0.001	< 0.001	< 0.001
	08/10/04	37.02	3338.82	195	1080	< 0.001	< 0.001	< 0.001	< 0.001
11/09/04	36.61	3339.23	177	1100	< 0.001	< 0.001	< 0.001	< 0.001	
MW-2	08/22/03	43.99	3331.33	239	1180	< 0.001	< 0.001	< 0.001	< 0.001
	10/30/03	44.17	3331.15	239	1240	< 0.001	< 0.001	< 0.001	< 0.001
	02/18/04	43.91	3331.41	221	1150	< 0.001	0.001	< 0.001	< 0.001
	05/05/04	40.98	3334.34	204	1060	< 0.001	0.001	< 0.001	< 0.001
	08/10/04	37.14	3338.18	230	1120	< 0.001	< 0.001	< 0.001	< 0.001
11/09/04	36.99	3338.33	230	1120	< 0.001	< 0.001	< 0.001	< 0.001	
MW-3	08/22/03	43.06	3332.79	160	904	< 0.001	< 0.001	< 0.001	< 0.001
	10/30/03	43.28	3332.57	168	1070	< 0.001	< 0.001	< 0.001	< 0.001
	02/18/04	43.03	3332.82	160	862	< 0.001	< 0.001	< 0.001	< 0.001
	05/05/04	40.04	3335.81	160	891	< 0.001	< 0.001	< 0.001	< 0.001
	08/10/04	36.55	3339.30	164	941	< 0.001	< 0.001	< 0.001	< 0.001
11/09/04	36.22	3339.63	142	1160	< 0.001	< 0.001	< 0.001	< 0.001	
Windmill	03/19/04	42.04	3326.66	620	1730	---	---	---	---
	05/14/04	36.33	3332.37	195	736	---	---	---	---
	08/10/04	32.45	3336.25	709	1850	---	---	---	---
	11/09/04	31.94	3336.76	727	1910	---	---	---	---
WQCC Standards				250	1000	0.01	0.75	0.75	0.62

Total Dissolved Solids (TDS), chloride, and BTEX concentrations listed in milligrams per liter (mg/L)
Analyses performed by Cardinal Labs, Hobbs, NM (1995-1998) and Environmental Lab of Texas, Odessa, TX (1999-2003).
Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.
AMSL - Above Mean Sea Level; BTOC - Below Top of Casing
Elevations and state plane coordinates surveyed by Basin Surveys, Hobbs, NM.

Figure 2
Chloride, TDS, and Groundwater Elevation Values Versus Time Graph (MW-1)

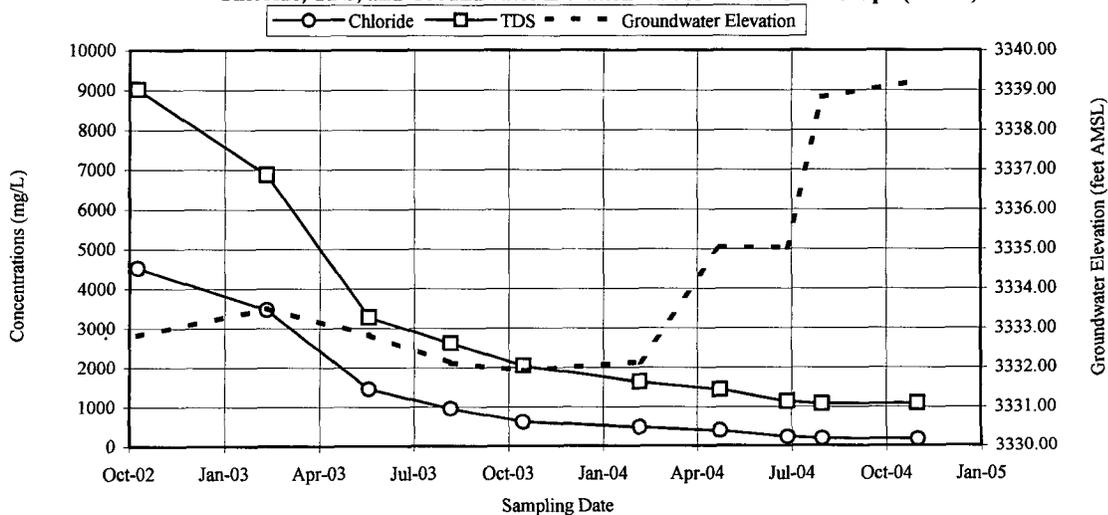


Figure 3
Chloride Concentrations Versus Time Graph

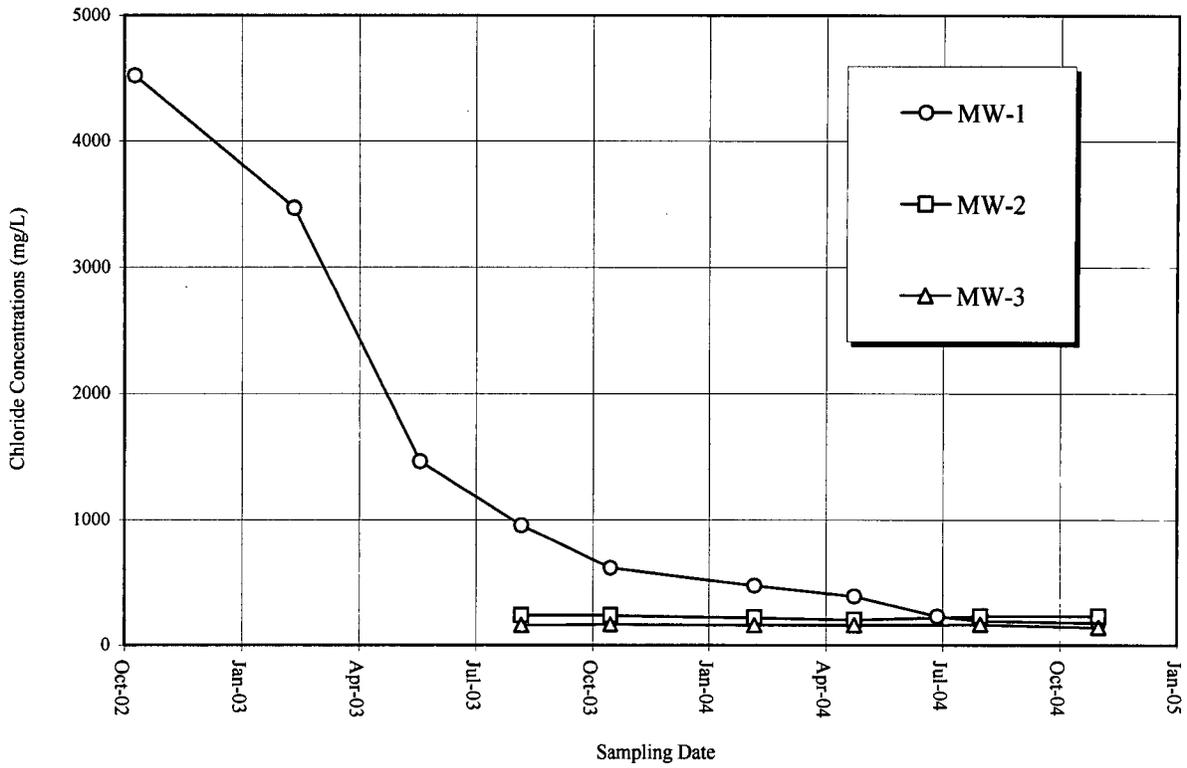
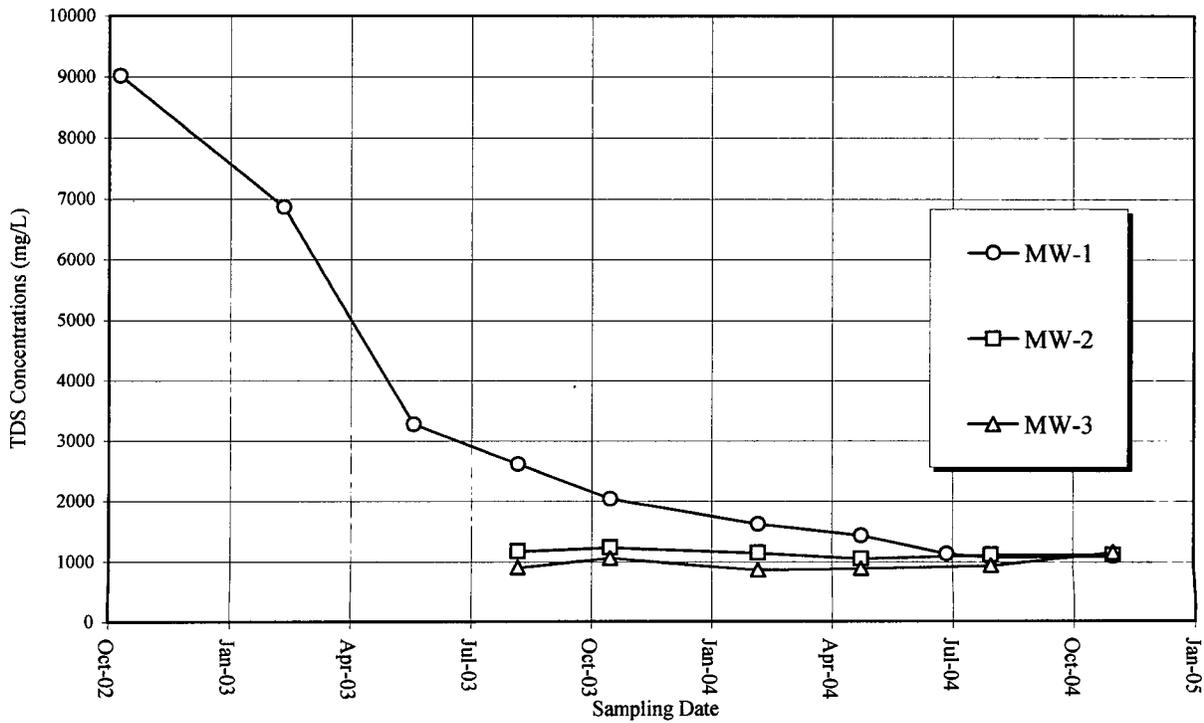


Figure 4
Total Dissolved Solids Concentrations Versus Time Graph





WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-1
 SYSTEM: Blinbry-Drinkard System DATE: 02/18/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 53.50 Feet

DEPTH TO WATER: 43.70 Feet

HEIGHT OF WATER COLUMN: 9.80 Feet

WELL DIAMETER: 2.0 Inch

4.8 Minimum gallons to purge 3 well volumes

0 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
14:32	0					
14:36	2	19.3	2.84	7.62	0.57	
14:40	4	19.7	2.86	7.48	0.80	
14:44	6	19.6	3.01	7.41	0.80	
						Parameters stabilized. Ready for sampling.
					14:45	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:12	:Total Time (hr:min)		6	:Total Vol (gal)		0.50 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.

Disposition of purgewater: M-9 SWD system



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-2
 SYSTEM: Blinbry-Drinkard System DATE: 02/18/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 59.20 Feet

DEPTH TO WATER: 43.91 Feet

HEIGHT OF WATER COLUMN: 15.29 Feet

WELL DIAMETER: 2.0 Inch

7.5 Minimum gallons to purge 3 well volumes

8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
3:56	0					
4:00	2	19.1	1.89	7.35	0.57	
4:03	4	19.1	1.82	7.30	0.80	
4:08	6	19.0	1.84	7.31	0.80	
4:10	8	18.9	1.90	7.39	0.80	Parameters stabilized. Ready for sampling.
					4:11	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:14	:Total Time (hr:min)		8	:Total Vol (gal)		0.57 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.

Disposition of purgewater: M-9 SWD system



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-3
 SYSTEM: Blinbry-Drinkard System DATE: 02/18/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 60.25 Feet

DEPTH TO WATER: 43.03 Feet

HEIGHT OF WATER COLUMN: 17.22 Feet

WELL DIAMETER: 2.0 Inch

8.4 Minimum gallons to purge 3 well volumes

8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
3:12	0					
3:16	2	19.9	1.32	7.50	0.57	
3:19	4	19.5	1.31	7.37	0.80	
3:23	6	19.6	1.32	7.39	0.80	
3:27	8	19.3	1.30	7.37	0.80	Parameters stabilized. Ready for sampling.
3:29	9	19.2	1.30	7.37	0.80	
					3:30	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:17	:Total Time (hr:min)		9	:Total Vol (gal)		0.53 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.

Disposition of purgewater: M-9 SWD system



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-1
 SYSTEM: Blinbry-Drinkard System DATE: 02/18/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 53.50 Feet

DEPTH TO WATER: 43.70 Feet

HEIGHT OF WATER COLUMN: 9.80 Feet

WELL DIAMETER: 2.0 Inch

4.8 Minimum gallons to purge 3 well volumes
0 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
14:32	0					
14:36	2	19.3	2.84	7.62	0.57	
14:40	4	19.7	2.86	7.48	0.80	
14:44	6	19.6	3.01	7.41	0.80	
						Parameters stabilized. Ready for sampling.
					14:45	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:12	:Total Time (hr:min)		6	:Total Vol (gal)		0.50 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.

Disposition of purgewater: M-9 SWD system



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-2
 SYSTEM: Blinbry-Drinkard System DATE: 02/18/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 59.20 Feet

DEPTH TO WATER: 43.91 Feet

HEIGHT OF WATER COLUMN: 15.29 Feet

WELL DIAMETER: 2.0 Inch

7.5 Minimum gallons to purge 3 well volumes

8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
3:56	0					
4:00	2	19.1	1.89	7.35	0.57	
4:03	4	19.1	1.82	7.30	0.80	
4:08	6	19.0	1.84	7.31	0.80	
4:10	8	18.9	1.90	7.39	0.80	Parameters stabilized. Ready for sampling.
					4:11	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:14	:Total Time (hr:min)		8	:Total Vol (gal)		0.57 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.

Disposition of purgewater: M-9 SWD system



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-3
 SYSTEM: Blinbry-Drinkard System DATE: 02/18/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 60.25 Feet

DEPTH TO WATER: 43.03 Feet

HEIGHT OF WATER COLUMN: 17.22 Feet

WELL DIAMETER: 2.0 Inch

8.4 Minimum gallons to purge 3 well volumes

8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
3:12	0					
3:16	2	19.9	1.32	7.50	0.57	
3:19	4	19.5	1.31	7.37	0.80	
3:23	6	19.6	1.32	7.39	0.80	
3:27	8	19.3	1.30	7.37	0.80	Parameters stabilized. Ready for sampling.
3:29	9	19.2	1.30	7.37	0.80	
					3:30	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:17	:Total Time (hr:min)		9	:Total Vol (gal)		0.53 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.

Disposition of purgewater: M-9 SWD system



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-2
 SYSTEM: Blinbry-Drinkard System DATE: 05/05/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 59.20 Feet

DEPTH TO WATER: 40.98 Feet

HEIGHT OF WATER COLUMN: 18.22 Feet

WELL DIAMETER: 2.0 Inch

8.9 Minimum gallons to purge 3 well volumes

8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
10:28	0					
10:35	2	20.9	1.62	7.41	0.29	
10:44	4	20.3	1.61	7.39	0.22	
10:50	6	20.3	1.60	7.39	0.33	
10:56	8	20.4	1.61	7.40	0.33	Parameters stabilized. Ready for sampling.
					11:00	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:28	:Total Time (hr:min)		8	:Total Vol (gal)		0.29 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.

Disposition of purgewater: M-9 SWD system



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-3
 SYSTEM: Blinbry-Drinkard System DATE: 05/05/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
 Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 60.25 Feet
 DEPTH TO WATER: 40.04 Feet
 HEIGHT OF WATER COLUMN: 20.21 Feet
 WELL DIAMETER: 2.0 Inch

9.9 Minimum gallons to purge 3 well volumes
8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
9:35	0					
9:40	2	21.0	1.44	7.41	0.40	
9:50	4	20.2	1.27	7.43	0.20	
9:55	6	20.0	1.3	7.41	0.40	
9:59	8	21.5	1.36	7.36	0.50	Parameters stabilized. Ready for sampling.
					10:00	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:24	:Total Time (hr:min)		8	:Total Vol (gal)		0.33 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.
Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.
Disposition of purgewater: M-9 SWD system



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-1
 SYSTEM: Blinbry-Drinkard System DATE: 08/10/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 53.50 Feet

DEPTH TO WATER: 37.02 Feet

HEIGHT OF WATER COLUMN: 16.48 Feet

WELL DIAMETER: 2.0 Inch

8.1 Minimum gallons to purge 3 well volumes

5 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
9:50	0					
9:52	1	21.7	1.59	7.90	0.57	
9:56	2	21.1	1.58	7.90	0.80	
9:57	3	21.0	1.58	7.92	0.80	
9:59	4	20.0	1.56	7.94	0.80	
10:00	5	20.8	1.56	7.92	0.80	Parameters stabilized. Ready for sampling.
					10:02	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-1000 ml plastic)
0:10	:Total Time (hr:min)		5	:Total Vol (gal)		0.50 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-2
 SYSTEM: Blinbry-Drinkard System DATE: 08/10/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 59.20 Feet

DEPTH TO WATER: 37.14 Feet

HEIGHT OF WATER COLUMN: 22.06 Feet

WELL DIAMETER: 2.0 Inch

10.8 Minimum gallons to purge 3 well volumes

8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
11:05	0					
11:09	2	21.0	1.56	7.35	0.57	
11:12	4	20.2	1.54	7.30	0.80	
11:16	6	20.2	1.54	7.31	0.80	
11:19	8	20.2	1.54	7.39	0.80	Parameters stabilized. Ready for sampling.
					11:21	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-1000 ml plastic)
0:14	:Total Time (hr:min)		8	:Total Vol (gal)		0.57 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.
Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-3
 SYSTEM: Blinbry-Drinkard System DATE: 08/10/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 60.25 Feet

DEPTH TO WATER: 36.55 Feet

HEIGHT OF WATER COLUMN: 23.70 Feet

WELL DIAMETER: 2.0 Inch

11.6 Minimum gallons to purge 3 well volumes
8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
10:27	0					
10:31	2	20.8	1.10	7.50	0.57	
10:33	4	20.2	1.19	7.37	0.80	
10:36	6	20.5	1.22	7.39	0.80	
10:40	8	20.3	1.24	7.37	0.80	Parameters stabilized. Ready for sampling.
					10:42	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-1000 ml plastic)
0:13	:Total Time (hr:min)		8	:Total Vol (gal)		0.62 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company
 SYSTEM: Blinbry-Drinkard System
 SITE LOCATION: J-26

WELL ID: MW-1
 DATE: 11/09/04
 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 53.50 Feet

DEPTH TO WATER: 36.61 Feet

HEIGHT OF WATER COLUMN: 16.89 Feet

WELL DIAMETER: 2.0 Inch

8.3 Minimum gallons to purge 3 well volumes
0 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
11:22	0					
11:27	2	20.3	1.56	7.92	0.40	
11:31	4	20.3	1.55	7.93	0.50	
11:35	6	20.0	1.52	7.86	0.50	
						Parameters stabilized. Ready for sampling.
					11:22	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:13	:Total Time (hr:min)		6	:Total Vol (gal)		0.46 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.

Disposition of purgewater: M-9 SWD system



WELL SAMPLING DATA FORM

CLIENT: Rice Operating Company WELL ID: MW-2
 SYSTEM: Blinbry-Drinkard System DATE: 11/09/04
 SITE LOCATION: J-26 SAMPLER: G. Van Deventer

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 59.20 Feet

DEPTH TO WATER: 36.99 Feet

HEIGHT OF WATER COLUMN: 22.21 Feet

WELL DIAMETER: 2.0 Inch

10.9 Minimum gallons to purge 3 well volumes

8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	FLOW RATE	PHYSICAL APPEARANCE AND REMARKS
11:57	0					
12:00	2	19.5	1.60	7.2	0.67	
12:03	4	19.3	1.60	7.21	0.67	
12:07	6	19.3	1.61	7.21	0.50	
12:11	8	19.3	1.62	7.22	0.50	Parameters stabilized. Ready for sampling.
					12:13	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:14	:Total Time (hr:min)		8	:Total Vol (gal)		0.57 :Average Flow Rate (gal/min)

COMMENTS: Delivered samples to Environmental Lab of Texas for BTEX, Major Ion and TDS analyses.

Hanna Model 98130 used to obtain pH, conductivity, and temperature measurements.

Disposition of purgewater: M-9 SWD system



APPENDIX C

Laboratory Analytical Reports

And

Chain of Custody Documentation

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P. 1

E **NVIRONMENTAL**
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Gilbert Vandeventer
Trident Environmental
P.O. Box 7624
Midland, TX 79708

Project: Rice Operating Company

Project Number: V-118

Location: BD J-26 Junction Box

Lab Order Number: 4B20001

Report Date: 02/24/04

Trident Environmental
P.O. Box 7624
Midland TX, 79708

Project: Rice Operating Company
Project Number: V-118
Project Manager: Gilbert Vandeventer

Fax: 682-0727
Reported:
02/24/04 15:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4B20001-01	Water	02/18/04 16:45	02/19/04 16:35
MW-2	4B20001-02	Water	02/18/04 16:11	02/19/04 16:35
MW-3	4B20001-03	Water	02/18/04 15:30	02/19/04 16:35

Trident Environmental
P.O. Box 7624
Midland TX, 79708

Project: Rice Operating Company
Project Number: V-118
Project Manager: Gilbert Vandeventer

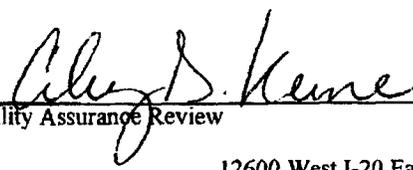
Fax: 682-0727
Reported:
02/24/04 15:02

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4B20001-01)									
Benzene	ND	0.00100	mg/L	1	EB42308	02/21/04	02/23/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.7 %	80-120						
Surrogate: 4-Bromofluorobenzene		80.2 %	80-120						
MW-2 (4B20001-02)									
Benzene	ND	0.00100	mg/L	1	EB42310	02/23/04	02/23/04	EPA 8021B	
Toluene	J [0.000954]	0.00100	"	"	"	"	"	"	J
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		105 %	80-120						
Surrogate: 4-Bromofluorobenzene		120 %	80-120						
MW-3 (4B20001-03)									
Benzene	ND	0.00100	mg/L	1	EB42310	02/23/04	02/23/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		106 %	80-120						
Surrogate: 4-Bromofluorobenzene		86.0 %	80-120						

Environmental Lab of Texas

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


Quality Assurance Review

Trident Environmental
P.O. Box 7624
Midland TX, 79708

Project: Rice Operating Company
Project Number: V-118
Project Manager: Gilbert Vandeventer

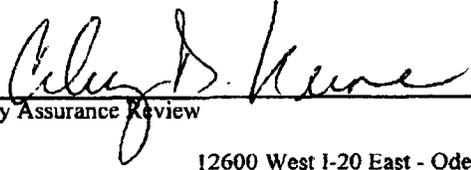
Fax: 682-0727
Reported:
02/24/04 15:02

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4B20001-01)									
Carbonate Alkalinity	6.00	0.100	mg/L	1	EB42104	02/20/04	02/20/04	EPA 310.2M	
Bicarbonate Alkalinity	280	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	478	5.00	"	"	EB42102	02/21/04	02/21/04	EPA 325.3	
Total Dissolved Solids	1630	5.00	"	"	EB42404	02/24/04	02/24/04	EPA 160.1	
Sulfate	292	2.50	"	5	EB42103	02/21/04	02/21/04	EPA 375.4	
MW-2 (4B20001-02)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EB42104	02/20/04	02/20/04	EPA 310.2M	
Bicarbonate Alkalinity	254	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	221	5.00	"	"	EB42102	02/21/04	02/21/04	EPA 325.3	
Total Dissolved Solids	1150	5.00	"	"	EB42404	02/24/04	02/24/04	EPA 160.1	
Sulfate	308	2.50	"	5	EB42103	02/21/04	02/21/04	EPA 375.4	
MW-3 (4B20001-03)									
Carbonate Alkalinity	ND	0.100	mg/L	1	EB42104	02/20/04	02/20/04	EPA 310.2M	
Bicarbonate Alkalinity	262	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	160	5.00	"	"	EB42102	02/21/04	02/21/04	EPA 325.3	
Total Dissolved Solids	862	5.00	"	"	EB42404	02/24/04	02/24/04	EPA 160.1	
Sulfate	223	2.50	"	5	EB42103	02/21/04	02/21/04	EPA 375.4	

Environmental Lab of Texas

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Quality Assurance Review

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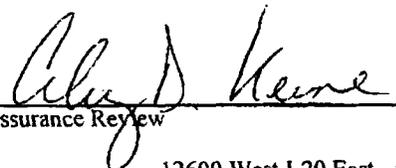
Trident Environmental P.O. Box 7624 Midland TX, 79708	Project: Rice Operating Company Project Number: V-118 Project Manager: Gilbert Vandeventer	Fax: 682-0727 Reported: 02/24/04 15:02
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**Total Metals by EPA / Standard Methods
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4B20001-01)									
Calcium	23.5	0.100	mg/L	10	EB42311	02/23/04	02/23/04	EPA 6010B	
Magnesium	4.60	0.00100	"	1	"	"	02/23/04	"	
Potassium	15.8	0.500	"	10	"	"	02/23/04	"	
Sodium	450	1.00	"	100	"	"	02/23/04	"	
MW-2 (4B20001-02)									
Calcium	86.7	0.100	mg/L	10	EB42311	02/23/04	02/23/04	EPA 6010B	
Magnesium	27.3	0.0100	"	"	"	"	"	"	
Potassium	14.9	0.500	"	"	"	"	"	"	
Sodium	235	1.00	"	100	"	"	02/23/04	"	
MW-3 (4B20001-03)									
Calcium	92.6	0.100	mg/L	10	EB42311	02/23/04	02/23/04	EPA 6010B	
Magnesium	34.8	0.0100	"	"	"	"	"	"	
Potassium	12.4	0.500	"	"	"	"	"	"	
Sodium	157	1.00	"	100	"	"	02/23/04	"	

Environmental Lab of Texas

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Quality Assurance Review

Trident Environmental
P.O. Box 7624
Midland TX, 79708

Project: Rice Operating Company
Project Number: V-118
Project Manager: Gilbert Vandeventer

Fax: 682-0727
Reported:
02/24/04 15:02

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
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Batch EB42308 - EPA 5030C (GC)

Blank (EB42308-BLK1)

Prepared & Analyzed: 02/21/04

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	84.3		ug/l	100		84.3	80-120			
Surrogate: 4-Bromofluorobenzene	82.3		"	100		82.3	80-120			

LCS (EB42308-BS1)

Prepared & Analyzed: 02/21/04

Benzene	96.5		ug/l	100		96.5	80-120			
Toluene	89.7		"	100		89.7	80-120			
Ethylbenzene	85.9		"	100		85.9	80-120			
Xylene (p/m)	168		"	200		84.0	80-120			
Xylene (o)	86.1		"	100		86.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	94.4		"	100		94.4	80-120			
Surrogate: 4-Bromofluorobenzene	96.0		"	100		96.0	80-120			

Calibration Check (EB42308-CCV1)

Prepared: 02/21/04 Analyzed: 02/23/04

Benzene	92.0		ug/l	100		92.0	80-120			
Toluene	86.9		"	100		86.9	80-120			
Ethylbenzene	86.0		"	100		86.0	80-120			
Xylene (p/m)	169		"	200		84.5	80-120			
Xylene (o)	87.5		"	100		87.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	93.4		"	100		93.4	80-120			
Surrogate: 4-Bromofluorobenzene	99.2		"	100		99.2	80-120			

Matrix Spike (EB42308-MS1)

Source: 4B18017-12

Prepared: 02/21/04 Analyzed: 02/23/04

Benzene	90.5		ug/l	100	ND	90.5	80-120			
Toluene	84.9		"	100	ND	84.9	80-120			
Ethylbenzene	82.0		"	100	ND	82.0	80-120			
Xylene (p/m)	160		"	200	ND	80.0	80-120			
Xylene (o)	81.5		"	100	ND	81.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	89.6		"	100		89.6	80-120			
Surrogate: 4-Bromofluorobenzene	87.6		"	100		87.6	80-120			

Environmental Lab of Texas

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Quality Assurance Review

Trident Environmental
P.O. Box 7624
Midland TX, 79708

Project: Rice Operating Company
Project Number: V-118
Project Manager: Gilbert Vandeventer

Fax: 682-0727
Reported:
02/24/04 15:02

**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
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Batch EB42308 - EPA 5030C (GC)

Matrix Spike Dup (EB42308-MSD1)	Source: 4B18017-12		Prepared: 02/21/04		Analyzed: 02/23/04					
Benzene	97.3		ug/l	100	ND	97.3	80-120	7.24	20	
Toluene	91.8		"	100	ND	91.8	80-120	7.81	20	
Ethylbenzene	88.9		"	100	ND	88.9	80-120	8.07	20	
Xylene (p/m)	174		"	200	ND	87.0	80-120	8.38	20	
Xylene (o)	89.1		"	100	ND	89.1	80-120	8.91	20	
Surrogate: a,a,a-Trifluorotoluene	94.5		"	100		94.5	80-120			
Surrogate: 4-Bromofluorobenzene	98.3		"	100		98.3	80-120			

Batch EB42310 - EPA 5030C (GC)

Blank (EB42310-BLK1)	Prepared & Analyzed: 02/23/04									
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	23.5		ug/l	20.0		118	80-120			
Surrogate: 4-Bromofluorobenzene	16.8		"	20.0		84.0	80-120			

LCS (EB42310-BS1)	Prepared & Analyzed: 02/23/04									
Benzene	97.9		ug/l	100		97.9	80-120			
Toluene	100		"	100		100	80-120			
Ethylbenzene	100		"	100		100	80-120			
Xylene (p/m)	216		"	200		108	80-120			
Xylene (o)	112		"	100		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	21.8		"	20.0		109	80-120			
Surrogate: 4-Bromofluorobenzene	22.7		"	20.0		114	80-120			

Environmental Lab of Texas

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Ally D. Keene

Quality Assurance Review

Trident Environmental P.O. Box 7624 Midland TX, 79708	Project: Rice Operating Company Project Number: V-118 Project Manager: Gilbert Vandeventer	Fax: 682-0727 Reported: 02/24/04 15:02
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**Organics by GC - Quality Control
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EB42310 - EPA 5030C (GC)

Calibration Check (EB42310-CCV1)				Prepared & Analyzed: 02/23/04						
Benzene	89.1		ug/l	100	89.1		80-120			
Toluene	92.0		"	100	92.0		80-120			
Ethylbenzene	93.8		"	100	93.8		80-120			
Xylene (p/m)	197		"	200	98.5		80-120			
Xylene (o)	102		"	100	102		80-120			
Surrogate: a,a,a-Trifluorotoluene	18.9		"	20.0	94.5		80-120			
Surrogate: 4-Bromofluorobenzene	23.9		"	20.0	120		80-120			

Duplicate (EB42310-DUP1)		Source: 4B20004-02		Prepared & Analyzed: 02/23/04						
Benzene	0.0163	0.00100	mg/L		0.0142			13.8	20	
Toluene	0.00542	0.00100	"		0.00457			17.0	20	
Ethylbenzene	0.00483	0.00100	"		0.00422			13.5	20	
Xylene (p/m)	0.00235	0.00100	"		0.00201			15.6	20	
Xylene (o)	0.00108	0.00100	"		0.000961			11.7	20	
Surrogate: a,a,a-Trifluorotoluene	29.9		ug/l	20.0	150		80-120			S-07
Surrogate: 4-Bromofluorobenzene	28.9		"	20.0	144		80-120			S-04

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Calvin D. Keene
Quality Assurance Review

Trident Environmental
P.O. Box 7624
Midland TX, 79708

Project: Rice Operating Company
Project Number: V-118
Project Manager: Gilbert Vandeventer

Fax: 682-0727
Reported:
02/24/04 15:02

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 EB42102 - General Preparation (WetChem)										
Blank (EB42102-BLK1) Prepared & Analyzed: 02/21/04										
Chloride	ND	5.00	mg/L							
Blank (EB42102-BLK2) Prepared & Analyzed: 02/21/04										
Chloride	ND	5.00	mg/L							
Calibration Check (EB42102-CCV1) Prepared & Analyzed: 02/21/04										
Chloride	4960		mg/L	5000		99.2	80-120			
Calibration Check (EB42102-CCV2) Prepared & Analyzed: 02/21/04										
Chloride	4960		mg/L	5000		99.2	80-120			
Matrix Spike (EB42102-MS1) Source: 4B18015-01 Prepared & Analyzed: 02/21/04										
Chloride	134	5.00	mg/L	100	35.4	98.6	80-120			
Matrix Spike (EB42102-MS2) Source: 4B20014-01 Prepared & Analyzed: 02/21/04										
Chloride	833	5.00	mg/L	500	337	99.2	80-120			
Matrix Spike Dup (EB42102-MSD1) Source: 4B18015-01 Prepared & Analyzed: 02/21/04										
Chloride	133	5.00	mg/L	100	35.4	97.6	80-120	0.749	20	
Matrix Spike Dup (EB42102-MSD2) Source: 4B20014-01 Prepared & Analyzed: 02/21/04										
Chloride	842	5.00	mg/L	500	337	101	80-120	1.07	20	
Batch EB42103 - General Preparation (WetChem)										
Blank (EB42103-BLK1) Prepared & Analyzed: 02/21/04										
Sulfate	ND	0.500	mg/L							

Environmental Lab of Texas

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Quality Assurance Review

Coley D. Keene

Page 8 of 12

Trident Environmental
 P.O. Box 7624
 Midland TX, 79708

Project: Rice Operating Company
 Project Number: V-118
 Project Manager: Gilbert Vandeventer

Fax: 682-0727
 Reported:
 02/24/04 15:02

**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
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Batch EB42103 - General Preparation (WetChem)

Blank (EB42103-BLK2)				Prepared & Analyzed: 02/21/04						
Sulfate	ND	0.500	mg/L							

Calibration Check (EB42103-CCV1)				Prepared & Analyzed: 02/21/04						
Sulfate	49.2		mg/L	50.0		98.4	80-120			

Calibration Check (EB42103-CCV2)				Prepared & Analyzed: 02/21/04						
Sulfate	48.5		mg/L	50.0		97.0	80-120			

Duplicate (EB42103-DUP1)				Source: 4B18015-01		Prepared & Analyzed: 02/21/04				
Sulfate	195	0.500	mg/L		195			0.00	20	

Duplicate (EB42103-DUP2)				Source: 4B20014-01		Prepared & Analyzed: 02/21/04				
Sulfate	476	0.500	mg/L		468			1.69	20	

Batch EB42104 - General Preparation (WetChem)

Blank (EB42104-BLK1)				Prepared & Analyzed: 02/20/04						
Carbonate Alkalinity	ND	0.100	mg/L							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							

Calibration Check (EB42104-CCV1)				Prepared & Analyzed: 02/20/04						
Carbonate Alkalinity	0.0496		mg/L	0.0500		99.2	80-120			

Duplicate (EB42104-DUP1)				Source: 4B20001-01		Prepared & Analyzed: 02/20/04				
Carbonate Alkalinity	6.00	0.100	mg/L		6.00			0.00	20	
Bicarbonate Alkalinity	284	2.00	"		280			1.42	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

Environmental Lab of Texas

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 Quality Assurance Review

Trident Environmental P.O. Box 7624 Midland TX, 79708	Project: Rice Operating Company Project Number: V-118 Project Manager: Gilbert Vandeventer	Fax: 682-0727 Reported: 02/24/04 15:02
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**General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EB42404 - General Preparation (WetChem)

Blank (EB42404-BLK1)	Prepared & Analyzed: 02/24/04									
Total Dissolved Solids	ND	5.00	mg/L							

Duplicate (EB42404-DUP1)	Source: 4B20001-01 Prepared & Analyzed: 02/24/04									
Total Dissolved Solids	1680	5.00	mg/L		1630			3.02	20	

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Ally D. Kane
Quality Assurance Review

Trident Environmental P.O. Box 7624 Midland TX, 79708	Project: Rice Operating Company Project Number: V-118 Project Manager: Gilbert Vandeventer	Fax: 682-0727 Reported: 02/24/04 15:02
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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
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Batch EB42311 - General Preparation (Metals)

Blank (EB42311-BLK1)

Prepared & Analyzed: 02/23/04

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EB42311-CCV1)

Prepared & Analyzed: 02/23/04

Calcium	2.10		mg/L	2.00		105	85-115			
Magnesium	2.00		"	2.00		100	85-115			
Potassium	1.74		"	2.00		87.0	85-115			
Sodium	1.89		"	2.00		94.5	85-115			

Duplicate (EB42311-DUP1)

Source: 4B20001-01

Prepared & Analyzed: 02/23/04

Calcium	23.3	0.100	mg/L		23.5			0.855	20	
Magnesium	4.58	0.00100	"		4.60			0.436	20	
Potassium	16.3	0.500	"		15.8			3.12	20	
Sodium	451	1.00	"		450			0.222	20	

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Ally D. Kene

Quality Assurance Review

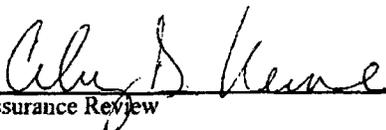
Trident Environmental P.O. Box 7624 Midland TX, 79708	Project: Rice Operating Company Project Number: V-118 Project Manager: Gilbert Vandevcenter	Fax: 682-0727 Reported: 02/24/04 15:02
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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- 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

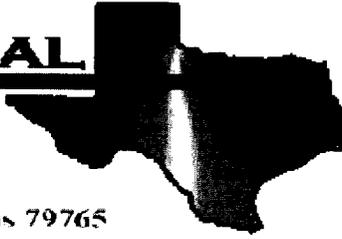
Environmental Lab of Texas

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Quality Assurance Review

E NVIRONMENTAL
LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Location: T21S, R37E, Sec 26, Unit Letter J

Lab Order Number: 4E07001

Report Date: 05/13/04

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 12:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4E07001-01	Water	05/05/04 09:20	05/07/04 08:05
MW-2	4E07001-02	Water	05/05/04 11:00	05/07/04 08:05
MW-3	4E07001-03	Water	05/05/04 10:00	05/07/04 08:05

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 12:13

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-1 (4E07001-01) Water

Benzene	ND	0.00100	mg/L	1	EE41103	05/07/04	05/07/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>108 %</i>		<i>80-120</i>	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>103 %</i>		<i>80-120</i>	"	"	"	"	

MW-2 (4E07001-02) Water

Benzene	ND	0.00100	mg/L	1	EE41103	05/07/04	05/07/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>116 %</i>		<i>80-120</i>	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>106 %</i>		<i>80-120</i>	"	"	"	"	

MW-3 (4E07001-03) Water

Benzene	ND	0.00100	mg/L	1	EE41103	05/07/04	05/07/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>117 %</i>		<i>80-120</i>	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>110 %</i>		<i>80-120</i>	"	"	"	"	

Environmental Lab of Texas

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Roland K. Smith

Quality Assurance Review

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

Project: BD System J-26 Junction Box Site
 Project Number: None Given
 Project Manager: Kristin Farris

Fax: (505) 397-1471
 Reported:
 05/13/04 12:13

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4E07001-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EE40710	05/07/04	05/07/04	EPA 310.2M	
Bicarbonate Alkalinity	300	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	390	5.00	"	"	EE40709	05/07/04	05/07/04	EPA 325.3M	
Total Dissolved Solids	1440	5.00	"	"	EE41102	05/07/04	05/11/04	EPA 160.1	
Sulfate	291	2.50	"	5	EE41114	05/11/04	05/11/04	EPA 375.4	
MW-2 (4E07001-02) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EE40710	05/07/04	05/07/04	EPA 310.2M	
Bicarbonate Alkalinity	259	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	204	5.00	"	"	EE40709	05/07/04	05/07/04	EPA 325.3M	
Total Dissolved Solids	1060	5.00	"	"	EE41102	05/07/04	05/11/04	EPA 160.1	
Sulfate	293	2.50	"	5	EE41114	05/11/04	05/11/04	EPA 375.4	
MW-3 (4E07001-03) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EE40710	05/07/04	05/07/04	EPA 310.2M	
Bicarbonate Alkalinity	210	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	160	5.00	"	"	EE40709	05/07/04	05/07/04	EPA 325.3M	
Total Dissolved Solids	891	5.00	"	"	EE41102	05/07/04	05/11/04	EPA 160.1	
Sulfate	266	2.50	"	5	EE41114	05/11/04	05/11/04	EPA 375.4	

Environmental Lab of Texas

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Roland K. [Signature]

Quality Assurance Review

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 12:13

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4E07001-01) Water									
Calcium	24.5	0.100	mg/L	10	EE41104	05/10/04	05/11/04	EPA 6010B	
Magnesium	4.18	0.00100	"	1	"	"	"	"	
Potassium	18.4	0.500	"	10	"	"	"	"	
Sodium	557	1.00	"	100	"	"	"	"	
MW-2 (4E07001-02) Water									
Calcium	34.1	0.100	mg/L	10	EE41104	05/10/04	05/11/04	EPA 6010B	
Magnesium	30.3	0.0100	"	"	"	"	"	"	
Potassium	14.7	0.500	"	"	"	"	"	"	
Sodium	341	1.00	"	100	"	"	"	"	
MW-3 (4E07001-03) Water									
Calcium	57.1	0.100	mg/L	10	EE41104	05/10/04	05/11/04	EPA 6010B	
Magnesium	40.0	0.0100	"	"	"	"	"	"	
Potassium	11.1	0.500	"	"	"	"	"	"	
Sodium	185	1.00	"	100	"	"	"	"	

Environmental Lab of Texas

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Roland K. Smith

Quality Assurance Review

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 12:13

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
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Batch EE41103 - EPA 5030C (GC)

Blank (EE41103-BLK1)

Prepared & Analyzed: 05/07/04

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	23.2		ug/l	20.0		116	80-120			
Surrogate: 4-Bromofluorobenzene	19.7		"	20.0		98.5	80-120			

LCS (EE41103-BS1)

Prepared & Analyzed: 05/07/04

Benzene	91.9		ug/l	100		91.9	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	102		"	100		102	80-120			
Xylene (p/m)	210		"	200		105	80-120			
Xylene (o)	106		"	100		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.6		"	20.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	23.5		"	20.0		118	80-120			

Calibration Check (EE41103-CCV1)

Prepared & Analyzed: 05/07/04

Benzene	85.5		ug/l	100		85.5	80-120			
Toluene	95.5		"	100		95.5	80-120			
Ethylbenzene	91.2		"	100		91.2	80-120			
Xylene (p/m)	194		"	200		97.0	80-120			
Xylene (o)	96.5		"	100		96.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	17.3		"	20.0		86.5	80-120			
Surrogate: 4-Bromofluorobenzene	23.7		"	20.0		118	80-120			

Duplicate (EE41103-DUP1)

Source: 4E07001-01

Prepared & Analyzed: 05/07/04

Benzene	ND	0.00100	mg/L		ND				20	
Toluene	ND	0.00100	"		ND				20	
Ethylbenzene	ND	0.00100	"		ND				20	
Xylene (p/m)	ND	0.00100	"		ND				20	
Xylene (o)	ND	0.00100	"		ND				20	
Surrogate: a,a,a-Trifluorotoluene	23.5		ug/l	20.0		118	80-120			
Surrogate: 4-Bromofluorobenzene	21.4		"	20.0		107	80-120			

Environmental Lab of Texas

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

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Quality Assurance Review

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Rice Operating Co. 122 W. Taylor Hobbs NM, 88240	Project: BD System J-26 Junction Box Site Project Number: None Given Project Manager: Kristin Farris	Fax: (505) 397-1471 Reported: 05/13/04 12:13
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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EE41103 - EPA 5030C (GC)

Matrix Spike (EE41103-MS1)	Source: 4E07001-02	Prepared & Analyzed: 05/07/04
Benzene	86.2	ug/l 100 ND 86.2 80-120
Toluene	96.9	" 100 ND 96.9 80-120
Ethylbenzene	92.9	" 100 ND 92.9 80-120
Xylene (p/m)	196	" 200 ND 98.0 80-120
Xylene (o)	96.7	" 100 ND 96.7 80-120
Surrogate: a,a,a-Trifluorotoluene	20.8	" 20.0 104 80-120
Surrogate: 4-Bromofluorobenzene	23.3	" 20.0 116 80-120

Environmental Lab of Texas

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Quality Assurance Review

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
05/13/04 12:13

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
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Batch EE41103 - EPA 5030C (GC)

Matrix Spike (EE41103-MS1)

Source: 4E07001-02

Prepared & Analyzed: 05/07/04

Benzene	86.2		ug/l	100	ND	86.2	80-120			
Toluene	96.9		"	100	ND	96.9	80-120			
Ethylbenzene	92.9		"	100	ND	92.9	80-120			
Xylene (p/m)	196		"	200	ND	98.0	80-120			
Xylene (o)	96.7		"	100	ND	96.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.8		"	20.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	23.3		"	20.0		116	80-120			

Environmental Lab of Texas

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Roland K. Farris

Quality Assurance Review

Page 6 of 10

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 12:13

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
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Batch EE40709 - General Preparation (WetChem)

Blank (EE40709-BLK1)

Prepared & Analyzed: 05/07/04

Chloride ND 5.00 mg/L

Matrix Spike (EE40709-MS1)

Source: 4E06007-02

Prepared & Analyzed: 05/07/04

Chloride 514 5.00 mg/L 250 270 97.6 80-120

Matrix Spike Dup (EE40709-MSD1)

Source: 4E06007-02

Prepared & Analyzed: 05/07/04

Chloride 514 5.00 mg/L 250 270 97.6 80-120 0.00 20

Reference (EE40709-SRM1)

Prepared & Analyzed: 05/07/04

Chloride 4780 mg/L 5000 95.6 80-120

Batch EE40710 - General Preparation (WetChem)

Blank (EE40710-BLK1)

Prepared & Analyzed: 05/07/04

Carbonate Alkalinity ND 0.100 mg/L

Bicarbonate Alkalinity ND 2.00 "

Hydroxide Alkalinity ND 0.100 "

Calibration Check (EE40710-CCV1)

Prepared & Analyzed: 05/07/04

Carbonate Alkalinity 0.0454 mg/L 0.0500 90.8 80-120

Duplicate (EE40710-DUP1)

Source: 4E06007-02

Prepared & Analyzed: 05/07/04

Carbonate Alkalinity 0.00 0.100 mg/L 0.00 20

Bicarbonate Alkalinity 174 2.00 " 173 0.576 20

Hydroxide Alkalinity 0.00 0.100 " 0.00 20

Environmental Lab of Texas

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Quality Assurance Review

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471
Reported:
05/13/04 12:13

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
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Batch EE41102 - General Preparation (WetChem)

Blank (EE41102-BLK1)

Prepared: 05/07/04 Analyzed: 05/11/04

Total Dissolved Solids ND 5.00 mg/L

Duplicate (EE41102-DUP1)

Source: 4E07001-01

Prepared: 05/07/04 Analyzed: 05/11/04

Total Dissolved Solids 1450 5.00 mg/L 1440 0.692 20

Batch EE41114 - General Preparation (WetChem)

Blank (EE41114-BLK1)

Prepared & Analyzed: 05/11/04

Sulfate ND 0.500 mg/L

Calibration Check (EE41114-CCV1)

Prepared & Analyzed: 05/11/04

Sulfate 50.9 mg/L 50.0 102 80-120

Duplicate (EE41114-DUP1)

Source: 4E06007-02

Prepared & Analyzed: 05/11/04

Sulfate 270 2.50 mg/L 274 1.47 20

Environmental Lab of Texas

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Quality Assurance Review

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
05/13/04 12:13

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
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Batch EE41104 - General Preparation (Metals)

Blank (EE41104-BLK1)

Prepared: 05/10/04 Analyzed: 05/11/04

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EE41104-CCV1)

Prepared: 05/10/04 Analyzed: 05/11/04

Calcium	1.98		mg/L	2.00		99.0	85-115			
Magnesium	2.12		"	2.00		106	85-115			
Potassium	1.83		"	2.00		91.5	85-115			
Sodium	1.72		"	2.00		86.0	85-115			

Duplicate (EE41104-DUP1)

Source: 4E07001-01

Prepared: 05/10/04 Analyzed: 05/11/04

Calcium	24.4	0.100	mg/L		24.5			0.409	20	
Magnesium	4.18	0.00100	"		4.18			0.00	20	
Potassium	18.7	0.500	"		18.4			1.62	20	
Sodium	557	1.00	"		557			0.00	20	

Environmental Lab of Texas

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Quality Assurance Review

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
05/13/04 12:13

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

Environmental Lab of Texas

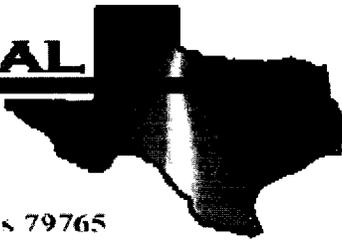
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Quality Assurance Review

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LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Location: T21S, R37E, Sec 26, Unit Letter J

Lab Order Number: 4H12014

Report Date: 08/20/04

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
08/20/04 08:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4H12014-01	Water	08/10/04 10:02	08/12/04 16:45
MW-2	4H12014-02	Water	08/10/04 11:21	08/12/04 16:45
MW-3	4H12014-03	Water	08/10/04 10:42	08/12/04 16:45
Windmill (ESE)	4H12014-04	Water	08/10/04 09:25	08/12/04 16:45

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
08/20/04 08:18

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-1 (4H12014-01) Water

Benzene	ND	0.00100	mg/L	1	EH41804	08/17/04	08/17/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>110 %</i>	<i>80-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>99.0 %</i>	<i>80-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

MW-2 (4H12014-02) Water

Benzene	ND	0.00100	mg/L	1	EH41804	08/17/04	08/17/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>114 %</i>	<i>80-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>95.5 %</i>	<i>80-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

MW-3 (4H12014-03) Water

Benzene	ND	0.00100	mg/L	1	EH41804	08/17/04	08/17/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>108 %</i>	<i>80-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>89.5 %</i>	<i>80-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
08/20/04 08:18

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4H12014-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EH41610	08/13/04	08/13/04	EPA 310.2M	I-02
Bicarbonate Alkalinity	251	2.00	"	"	"	"	"	"	I-02
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	I-02
Chloride	195	5.00	"	"	EH41702	08/16/04	08/16/04	EPA 325.3M	
Total Dissolved Solids	1080	5.00	"	"	EH41711	08/15/04	08/17/04	EPA 160.1	
Sulfate	322	0.500	"	"	EH41701	08/16/04	08/16/04	EPA 375.4	
MW-2 (4H12014-02) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EH41610	08/13/04	08/13/04	EPA 310.2M	I-02
Bicarbonate Alkalinity	256	2.00	"	"	"	"	"	"	I-02
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	I-02
Chloride	230	5.00	"	"	EH41702	08/16/04	08/16/04	EPA 325.3M	
Total Dissolved Solids	1120	5.00	"	"	EH41711	08/15/04	08/17/04	EPA 160.1	
Sulfate	352	0.500	"	"	EH41701	08/16/04	08/16/04	EPA 375.4	
MW-3 (4H12014-03) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EH41610	08/13/04	08/13/04	EPA 310.2M	I-02
Bicarbonate Alkalinity	203	2.00	"	"	"	"	"	"	I-02
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	I-02
Chloride	164	5.00	"	"	EH41702	08/16/04	08/16/04	EPA 325.3M	
Total Dissolved Solids	941	5.00	"	"	EH41711	08/15/04	08/17/04	EPA 160.1	
Sulfate	337	0.500	"	"	EH41701	08/16/04	08/16/04	EPA 375.4	
Windmill (ESE) (4H12014-04) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EH41610	08/13/04	08/13/04	EPA 310.2M	I-02
Bicarbonate Alkalinity	173	2.00	"	"	"	"	"	"	I-02
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	I-02
Chloride	709	5.00	"	"	EH41702	08/16/04	08/16/04	EPA 325.3M	
Total Dissolved Solids	1850	5.00	"	"	EH41711	08/15/04	08/17/04	EPA 160.1	
Sulfate	171	0.500	"	"	EH41701	08/16/04	08/16/04	EPA 375.4	

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
08/20/04 08:18

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4H12014-01) Water									
Calcium	16.4	0.100	mg/L	10	EH41719	08/17/04	08/17/04	EPA 6010B	
Magnesium	2.51	0.00100	"	1	"	"	"	"	
Potassium	14.8	0.500	"	10	"	"	"	"	
Sodium	450	1.00	"	100	"	"	"	"	
MW-2 (4H12014-02) Water									
Calcium	45.6	0.100	mg/L	10	EH41719	08/17/04	08/17/04	EPA 6010B	
Magnesium	39.2	0.0100	"	"	"	"	"	"	
Potassium	17.6	0.500	"	"	"	"	"	"	
Sodium	357	1.00	"	100	"	"	"	"	
MW-3 (4H12014-03) Water									
Calcium	72.5	0.100	mg/L	10	EH41719	08/17/04	08/17/04	EPA 6010B	
Magnesium	40.1	0.0100	"	"	"	"	"	"	
Potassium	11.9	0.500	"	"	"	"	"	"	
Sodium	188	1.00	"	100	"	"	"	"	
Windmill (ESE) (4H12014-04) Water									
Calcium	193	1.00	mg/L	100	EH41719	08/17/04	08/17/04	EPA 6010B	
Magnesium	81.5	0.0100	"	10	"	"	"	"	
Potassium	20.1	0.500	"	"	"	"	"	"	
Sodium	379	1.00	"	100	"	"	"	"	

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
08/20/04 08:18

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
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Batch EH41804 - EPA 5030C (GC)

Blank (EH41804-BLK1)

Prepared & Analyzed: 08/14/04

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	22.7		ug/l	20.0		114	80-120			
Surrogate: 4-Bromofluorobenzene	20.2		"	20.0		101	80-120			

LCS (EH41804-BS1)

Prepared & Analyzed: 08/14/04

Benzene	89.5		ug/l	100		89.5	80-120			
Toluene	102		"	100		102	80-120			
Ethylbenzene	98.1		"	100		98.1	80-120			
Xylene (p/m)	205		"	200		102	80-120			
Xylene (o)	101		"	100		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	22.5		"	20.0		112	80-120			
Surrogate: 4-Bromofluorobenzene	22.5		"	20.0		112	80-120			

Calibration Check (EH41804-CCV1)

Prepared & Analyzed: 08/14/04

Benzene	83.5		ug/l	100		83.5	80-120			
Toluene	91.4		"	100		91.4	80-120			
Ethylbenzene	90.5		"	100		90.5	80-120			
Xylene (p/m)	195		"	200		97.5	80-120			
Xylene (o)	91.8		"	100		91.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.5		"	20.0		92.5	80-120			
Surrogate: 4-Bromofluorobenzene	20.6		"	20.0		103	80-120			

Matrix Spike (EH41804-MS1)

Source: 4H13013-02

Prepared & Analyzed: 08/14/04

Benzene	82.2		ug/l	100	ND	82.2	80-120			
Toluene	93.1		"	100	ND	93.1	80-120			
Ethylbenzene	89.4		"	100	ND	89.4	80-120			
Xylene (p/m)	188		"	200	ND	94.0	80-120			
Xylene (o)	94.5		"	100	ND	94.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.5		"	20.0		92.5	80-120			
Surrogate: 4-Bromofluorobenzene	19.9		"	20.0		99.5	80-120			

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

Project: BD System J-26 Junction Box Site
 Project Number: None Given
 Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
 08/20/04 08:18

**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
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Batch EH41804 - EPA 5030C (GC)

Matrix Spike Dup (EH41804-MSD1)

Source: 4H13013-02

Prepared & Analyzed: 08/14/04

Benzene	81.3		ug/l	100	ND	81.3	80-120	1.10	20	
Toluene	95.0		"	100	ND	95.0	80-120	2.02	20	
Ethylbenzene	90.3		"	100	ND	90.3	80-120	1.00	20	
Xylene (p/m)	189		"	200	ND	94.5	80-120	0.531	20	
Xylene (o)	89.4		"	100	ND	89.4	80-120	5.55	20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	19.9		"	20.0		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	20.0		"	20.0		100	80-120			

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
08/20/04 08:18

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
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Batch EH41610 - General Preparation (WetChem)

Blank (EH41610-BLK1)

Prepared & Analyzed: 08/13/04

Carbonate Alkalinity	ND	0.100	mg/L							
Bicarbonate Alkalinity	ND	2.00	"							
Hydroxide Alkalinity	ND	0.100	"							

Duplicate (EH41610-DUP1)

Source: 4H12015-01

Prepared & Analyzed: 08/13/04

Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	232	2.00	"		232			0.00	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	

Reference (EH41610-SRM1)

Prepared & Analyzed: 08/13/04

Carbonate Alkalinity	0.0530		mg/L	0.0500		106	80-120			
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Batch EH41701 - General Preparation (WetChem)

Blank (EH41701-BLK1)

Prepared & Analyzed: 08/16/04

Sulfate	ND	0.500	mg/L							
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Calibration Check (EH41701-CCV1)

Prepared & Analyzed: 08/16/04

Sulfate	51.0		mg/L	50.0		102	80-120			
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Duplicate (EH41701-DUP1)

Source: 4H12014-01

Prepared & Analyzed: 08/16/04

Sulfate	358	0.500	mg/L		322			10.6	20	
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Batch EH41702 - General Preparation (WetChem)

Blank (EH41702-BLK1)

Prepared & Analyzed: 08/16/04

Chloride	ND	5.00	mg/L							
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Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
08/20/04 08:18

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
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Batch EH41702 - General Preparation (WetChem)

Matrix Spike (EH41702-MS1)

Source: 4H12012-21

Prepared & Analyzed: 08/16/04

Chloride	160	5.00	mg/L	100	65.6	94.4	80-120			
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Matrix Spike Dup (EH41702-MSD1)

Source: 4H12012-21

Prepared & Analyzed: 08/16/04

Chloride	160	5.00	mg/L	100	65.6	94.4	80-120	0.00	20	
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Reference (EH41702-SRM1)

Prepared & Analyzed: 08/16/04

Chloride	4960		mg/L	5000		99.2	80-120			
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Batch EH41711 - Filtration Preparation

Blank (EH41711-BLK1)

Prepared: 08/15/04 Analyzed: 08/17/04

Total Dissolved Solids	ND	5.00	mg/L							
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Duplicate (EH41711-DUP1)

Source: 4H12012-01

Prepared: 08/15/04 Analyzed: 08/17/04

Total Dissolved Solids	539	5.00	mg/L		492			9.12	20	
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Rice Operating Co.
 122 W. Taylor
 Hobbs NM, 88240

Project: BD System J-26 Junction Box Site
 Project Number: None Given
 Project Manager: Kristin Farris

Fax: (505) 397-1471
 Reported:
 08/20/04 08:18

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
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Batch EH41719 - 6010B/No Digestion

Blank (EH41719-BLK1)

Prepared & Analyzed: 08/17/04

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EH41719-CCV1)

Prepared & Analyzed: 08/17/04

Calcium	2.02		mg/L	2.00		101	85-115			
Magnesium	2.12		"	2.00		106	85-115			
Potassium	1.79		"	2.00		89.5	85-115			
Sodium	1.89		"	2.00		94.5	85-115			

Duplicate (EH41719-DUP1)

Source: 4H13013-04

Prepared & Analyzed: 08/17/04

Calcium	36.1	0.100	mg/L		35.2			2.52	20	
Magnesium	11.3	0.0100	"		10.9			3.60	20	
Potassium	34.3	0.500	"		33.2			3.26	20	
Sodium	405	1.00	"		415			2.44	20	

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

Project: BD System J-26 Junction Box Site
Project Number: None Given
Project Manager: Kristin Farris

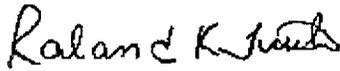
Fax: (505) 397-1471

Reported:
08/20/04 08:18

Notes and Definitions

I-02 This result was analyzed outside of the EPA recommended holding time.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

8/20/04

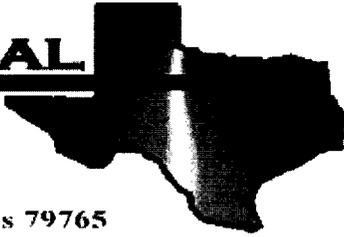
Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director

James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

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12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: BD System J-26 Junction Box Site
Project Number: V118J26
Location: T21S, R37E, Sec 26, Unit Letter J

Lab Order Number: 4K11006

Report Date: 11/22/04

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

Project: BD System J-26 Junction Box Site
Project Number: V118J26
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4K11006-01	Water	11/09/04 11:40	11/11/04 11:00
MW-2	4K11006-02	Water	11/09/04 12:13	11/11/04 11:00
MW-3	4K11006-03	Water	11/09/04 10:50	11/11/04 11:00

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

Project: BD System J-26 Junction Box Site
Project Number: V118J26
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K11006-01) Water									
Benzene	ND	0.00100	mg/L	1	EK41502	11/12/04	11/12/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		109 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		112 %	80-120		"	"	"	"	
MW-2 (4K11006-02) Water									
Benzene	ND	0.00100	mg/L	1	EK41502	11/12/04	11/12/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.5 %	80-120		"	"	"	"	
MW-3 (4K11006-03) Water									
Benzene	ND	0.00100	mg/L	1	EK41502	11/12/04	11/12/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		106 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		112 %	80-120		"	"	"	"	

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

Project: BD System J-26 Junction Box Site
Project Number: V118J26
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K11006-01) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EK41814	11/11/04	11/11/04	EPA 310.2M	
Bicarbonate Alkalinity	206	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	177	5.00	"	"	EK41809	11/17/04	11/17/04	EPA 325.3M	
Total Dissolved Solids	1100	5.00	"	"	EK41206	11/11/04	11/11/04	EPA 160.1	
Sulfate	505	6.25	"	12.5	EK41904	11/11/04	11/11/04	EPA 375.4	
MW-2 (4K11006-02) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EK41814	11/11/04	11/11/04	EPA 310.2M	
Bicarbonate Alkalinity	230	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	230	5.00	"	"	EK41809	11/17/04	11/17/04	EPA 325.3M	
Total Dissolved Solids	1120	5.00	"	"	EK41206	11/11/04	11/11/04	EPA 160.1	
Sulfate	479	6.25	"	12.5	EK41904	11/11/04	11/11/04	EPA 375.4	
MW-3 (4K11006-03) Water									
Carbonate Alkalinity	ND	0.100	mg/L	1	EK41814	11/11/04	11/11/04	EPA 310.2M	
Bicarbonate Alkalinity	190	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	142	5.00	"	"	EK41809	11/17/04	11/17/04	EPA 325.3M	
Total Dissolved Solids	1160	5.00	"	"	EK41206	11/11/04	11/11/04	EPA 160.1	
Sulfate	464	6.25	"	12.5	EK41904	11/11/04	11/11/04	EPA 375.4	

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

Project: BD System J-26 Junction Box Site
 Project Number: V118J26
 Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
 11/22/04 17:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K11006-01) Water									
Calcium	11.6	0.100	mg/L	10	EK42201	11/15/04	11/19/04	EPA 6010B	
Magnesium	1.85	0.00100	"	1	"	"	"	"	
Potassium	10.9	0.500	"	10	"	"	"	"	
Sodium	263	1.00	"	100	"	"	"	"	
MW-2 (4K11006-02) Water									
Calcium	63.7	0.100	mg/L	10	EK42201	11/15/04	11/19/04	EPA 6010B	
Magnesium	35.3	0.0100	"	"	"	"	"	"	
Potassium	11.2	0.500	"	"	"	"	"	"	
Sodium	245	1.00	"	100	"	"	"	"	
MW-3 (4K11006-03) Water									
Calcium	70.2	0.100	mg/L	10	EK42201	11/15/04	11/19/04	EPA 6010B	
Magnesium	29.5	0.0100	"	"	"	"	"	"	
Potassium	7.90	0.500	"	"	"	"	"	"	
Sodium	138	1.00	"	100	"	"	"	"	

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

Project: BD System J-26 Junction Box Site
Project Number: V118J26
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

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
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Batch EK41502 - EPA 5030C (GC)

Blank (EK41502-BLK1)

Prepared & Analyzed: 11/12/04

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	17.8		ug/l	20.0		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	19.9		"	20.0		99.5	80-120			

LCS (EK41502-BS1)

Prepared & Analyzed: 11/12/04

Benzene	106		ug/l	100		106	80-120			
Toluene	107		"	100		107	80-120			
Ethylbenzene	113		"	100		113	80-120			
Xylene (p/m)	237		"	200		118	80-120			
Xylene (o)	107		"	100		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	20.3		"	20.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	23.4		"	20.0		117	80-120			

LCS Dup (EK41502-BSD1)

Prepared & Analyzed: 11/12/04

Benzene	105		ug/l	100		105	80-120	0.948	20	
Toluene	106		"	100		106	80-120	0.939	20	
Ethylbenzene	113		"	100		113	80-120	0.00	20	
Xylene (p/m)	223		"	200		112	80-120	5.22	20	
Xylene (o)	106		"	100		106	80-120	0.939	20	
Surrogate: a,a,a-Trifluorotoluene	19.3		"	20.0		96.5	80-120			
Surrogate: 4-Bromofluorobenzene	22.2		"	20.0		111	80-120			

Calibration Check (EK41502-CCV1)

Prepared & Analyzed: 11/12/04

Benzene	102		ug/l	100		102	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	109		"	100		109	80-120			
Xylene (p/m)	213		"	200		106	80-120			
Xylene (o)	112		"	100		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	17.8		"	20.0		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	21.7		"	20.0		108	80-120			

Environmental Lab of Texas

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

Page 5 of 11

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

Project: BD System J-26 Junction Box Site
 Project Number: V118J26
 Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
 11/22/04 17:10

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
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Batch EK41502 - EPA 5030C (GC)

Matrix Spike (EK41502-MS1)

Source: 4K11005-01

Prepared & Analyzed: 11/12/04

Benzene	116		ug/l	100	ND	116	80-120			
Toluene	115		"	100	ND	115	80-120			
Ethylbenzene	107		"	100	ND	107	80-120			
Xylene (p/m)	227		"	200	ND	114	80-120			
Xylene (o)	115		"	100	ND	115	80-120			
Surrogate: a,a,a-Trifluorotoluene	21.2		"	20.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	21.9		"	20.0		110	80-120			

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

Project: BD System J-26 Junction Box Site
Project Number: V118J26
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

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 EK41206 - Filtration Preparation

Blank (EK41206-BLK1) Prepared & Analyzed: 11/11/04

Total Dissolved Solids ND 5.00 mg/L

Duplicate (EK41206-DUP1) Source: 4K11004-01 Prepared & Analyzed: 11/11/04

Total Dissolved Solids 2000 5.00 mg/L 1910 4.60 20

Batch EK41809 - General Preparation (WetChem)

Blank (EK41809-BLK1) Prepared & Analyzed: 11/17/04

Chloride ND 5.00 mg/L

Matrix Spike (EK41809-MS1) Source: 4K11004-01 Prepared & Analyzed: 11/17/04

Chloride 1220 5.00 mg/L 500 727 98.6 80-120

Matrix Spike Dup (EK41809-MSD1) Source: 4K11004-01 Prepared & Analyzed: 11/17/04

Chloride 1230 5.00 mg/L 500 727 101 80-120 0.816 20

Reference (EK41809-SRM1) Prepared & Analyzed: 11/17/04

Chloride 4960 mg/L 5000 99.2 80-120

Batch EK41814 - General Preparation (WetChem)

Blank (EK41814-BLK1) Prepared & Analyzed: 11/11/04

Carbonate Alkalinity ND 0.100 mg/L

Bicarbonate Alkalinity ND 2.00 "

Hydroxide Alkalinity ND 0.100 "

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

Project: BD System J-26 Junction Box Site
Project Number: V118J26
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

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
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Batch EK41814 - General Preparation (WetChem)

Duplicate (EK41814-DUP1)		Source: 4K11004-01		Prepared & Analyzed: 11/11/04						
Carbonate Alkalinity	0.00	0.100	mg/L		0.00					20
Bicarbonate Alkalinity	161	2.00	"		160			0.623		20
Hydroxide Alkalinity	0.00	0.100	"		0.00					20

Reference (EK41814-SRM1)		Prepared & Analyzed: 11/11/04								
Carbonate Alkalinity	0.0500		mg/L	0.0500		100	80-120			

Batch EK41904 - General Preparation (WetChem)

Blank (EK41904-BLK1)		Prepared & Analyzed: 11/11/04								
Sulfate	ND	0.500	mg/L							

Calibration Check (EK41904-CCV1)		Prepared & Analyzed: 11/11/04								
Sulfate	49.3		mg/L	50.0		98.6	80-120			

Duplicate (EK41904-DUP1)		Source: 4K11004-01		Prepared & Analyzed: 11/11/04						
Sulfate	241	2.50	mg/L		238			1.25		20

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

Project: BD System J-26 Junction Box Site
Project Number: V118J26
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

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 EK42201 - 6010B/No Digestion

Blank (EK42201-BLK1)

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Blank (EK42201-BLK2)

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EK42201-CCV1)

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	2.15		mg/L	2.00		108	85-115			
Magnesium	2.10		"	2.00		105	85-115			
Potassium	2.08		"	2.00		104	85-115			
Sodium	1.88		"	2.00		94.0	85-115			

Calibration Check (EK42201-CCV2)

Prepared: 11/15/04 Analyzed: 11/22/04

Calcium	1.83		mg/L	2.00		91.5	85-115			
Magnesium	1.96		"	2.00		98.0	85-115			
Potassium	1.78		"	2.00		89.0	85-115			
Sodium	1.72		"	2.00		86.0	85-115			

Duplicate (EK42201-DUP1)

Source: 4K11013-01RE1

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	34.6	0.100	mg/L		ND				20	
Magnesium	25.6	0.0100	"		ND				20	
Potassium	4.08	0.500	"		ND				20	
Sodium	77.4	1.00	"		ND				20	

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

Project: BD System J-26 Junction Box Site
Project Number: V118J26
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

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
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Batch EK42201 - 6010B/No Digestion

Duplicate (EK42201-DUP2)

Source: 4K11004-01

Prepared: 11/15/04 Analyzed: 11/19/04

Calcium	180	1.00	mg/L		179		0.557		20	
Magnesium	48.9	0.0100	"		47.2		3.54		20	
Potassium	11.7	0.500	"		9.88		16.9		20	
Sodium	283	1.00	"		268		5.44		20	

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

Project: BD System J-26 Junction Box Site
Project Number: V118J26
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
11/22/04 17:10

Notes and Definitions

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

Report Approved By: _____

Raland K Tuttle

Date: _____

11/22/2004

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

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
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 Variance / Corrective Action Report – Sample Log-In

Client: Price Operating Co.

Date/Time: 11-11-04 @ 1200

Order #: 4K11006

Initials: Jm

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	No	-2.5 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<u>Not present</u>
Custody Seals intact on sample bottles?	Yes	No	<u>Not present</u>
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable

Other observations:

Variance Documentation:

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

Corrective Action Taken:
