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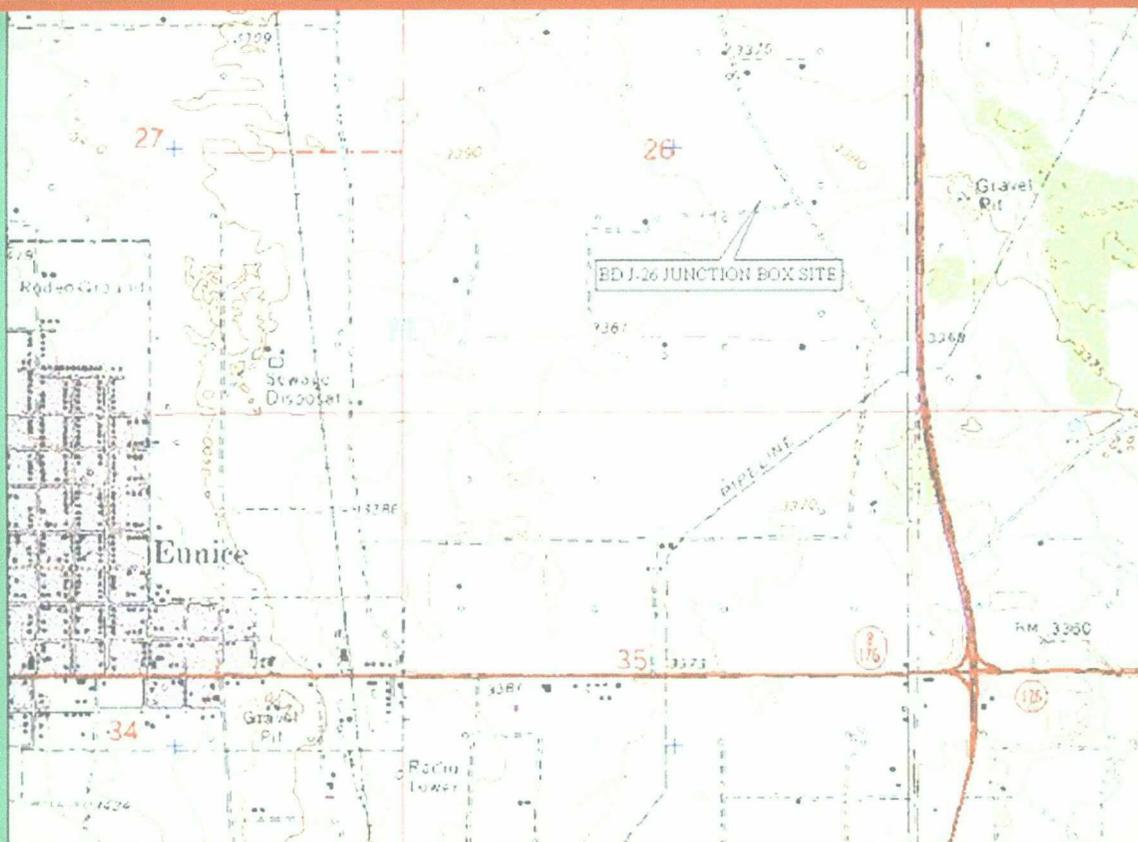
Annual GW Mon.
REPORTS

DATE:

2005

January 6, 2005

2005 Annual Groundwater Monitoring Report



**J-26 Junction Box Site
T21S, R37E, Section 26, Unit Letter J
Lea County, New Mexico
NMOCD Case # 1R0426-40**

R. T. HICKS CONSULTANTS, LTD.

901 RIO GRANDE BLVD. NW, SUITE F-142, ALBUQUERQUE, NEW MEXICO 87104

R.T. HICKS CONSULTANTS, LTD.

1909 Brunson Avenue ■ Midland, Texas 79701-6924 ■ 432.638.8740 ■ Fax: 413.403.9968

CERTIFIED MAIL

RETURN RECEIPT NO. 7099 3400 0017 1737 2381

January 6, 2006

Mr. Wayne Price
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: 2005 ANNUAL MONITORING WELL REPORT
BD J-26 JUNCTION BOX SITE
T21S-R37E-Section 26, Unit Letter J
NMOCD CASE # 1R0426-40

Mr. Price:

R. T. Hicks Consultants, Ltd takes this opportunity to submit the 2005 Annual Monitoring Well Report for the BD J-26 junction box site located in the Blinebry-Drinkard (BD) Salt Water Disposal (SWD) System. The Stage 1 Abatement Plan for this site was submitted to the NMOCD on December 5, 2005, and is administratively complete pending the on-going public notice procedures.

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

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me at (432) 638-8740 or Kristin Farris Pope at (505) 393-9174.

Sincerely,

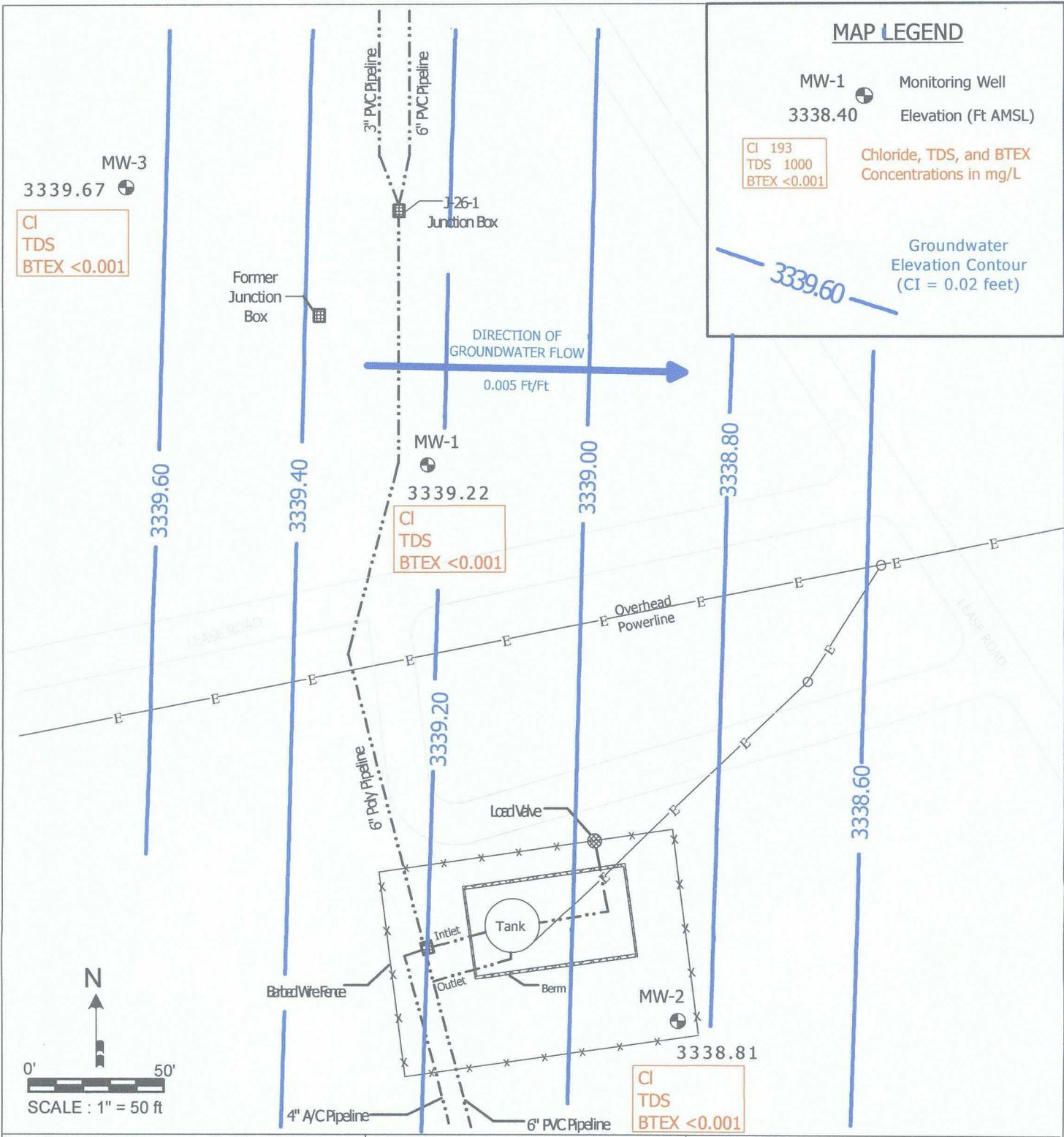


Gilbert J. Van Deventer, REM, PG, NMCS
R. T. Hicks Consultants Ltd.

enclosures: Summary table & graphs, maps, well sample data forms, and laboratory reports

cc: LBG, CDH, KFP, file

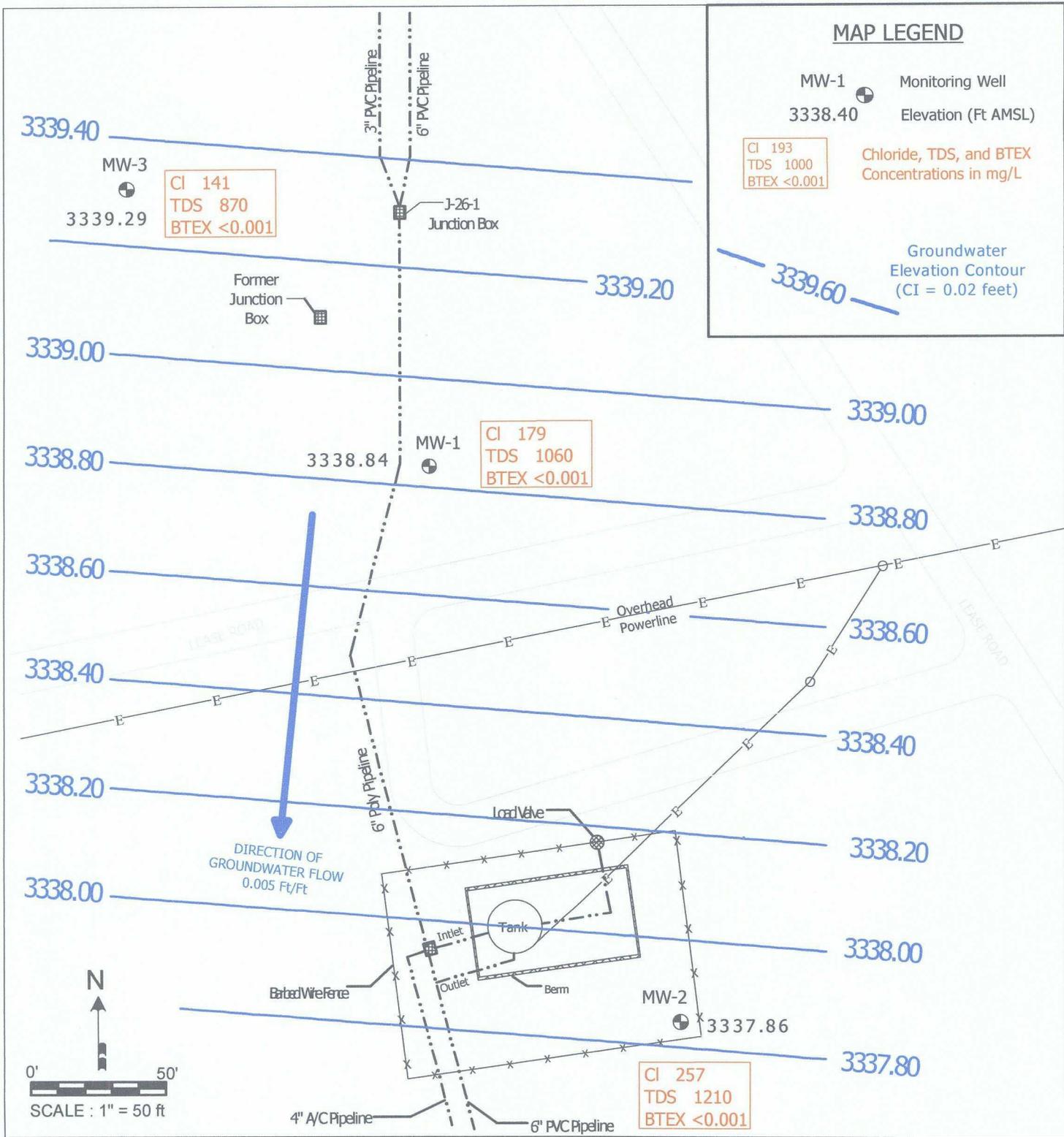
MAPS



R. T. HICKS CONSULTANTS, LTD.
 1909 Brunson Ave., Midland TX 79701

Client: Rice Operating Company
 Site: J-26 Junction Box
 Sampling Date: February 9, 2005
 Approximate Scale: 1 inch = 50 ft

FIGURE 1A
 LOCAL GROUNDWATER GRADIENT AND
 CHLORIDE/TDS CONCENTRATION MAP



R. T. HICKS CONSULTANTS, LTD.

1909 Brunson Ave., Midland TX 79701

Client: Rice Operating Company

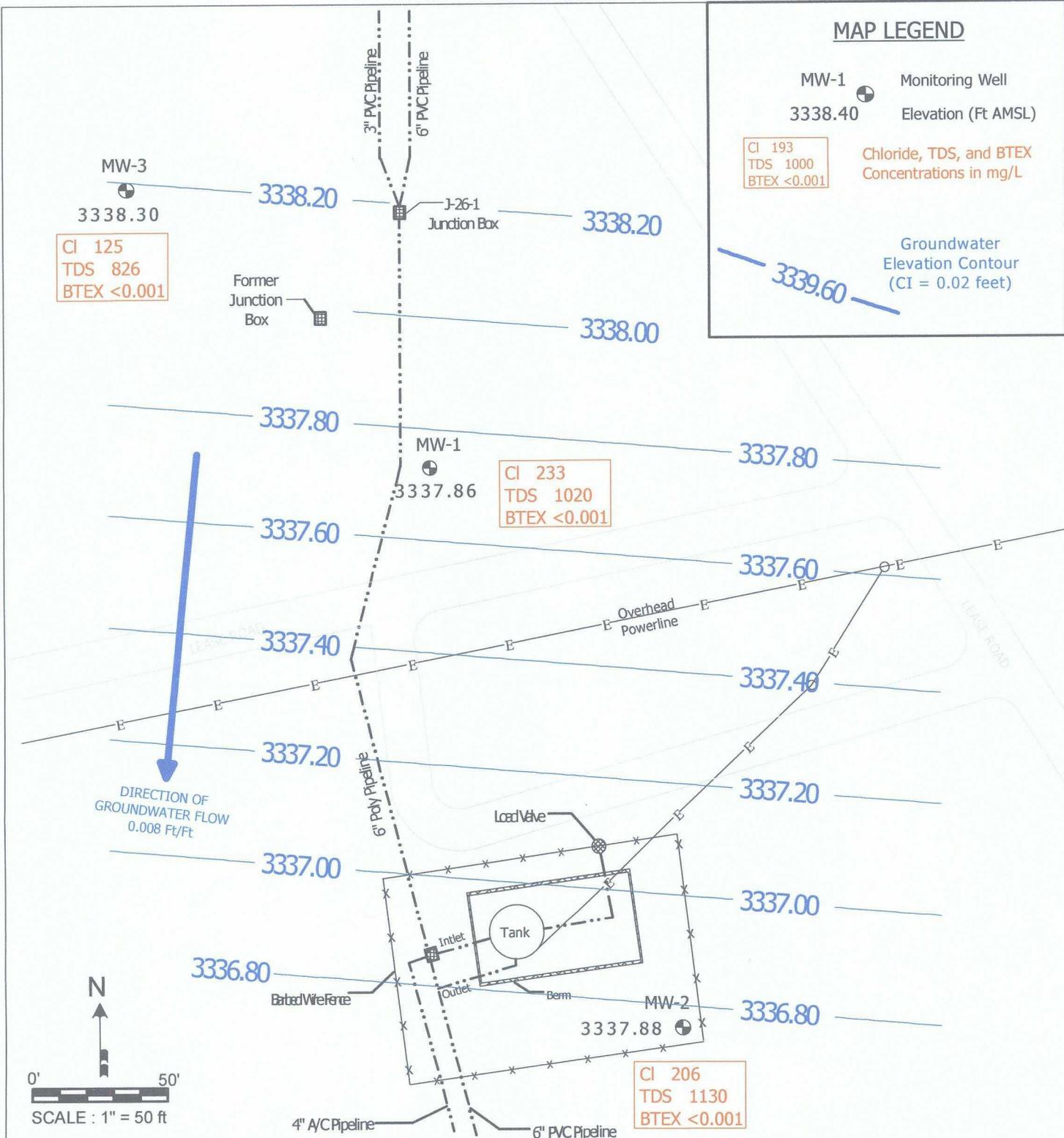
Site: J-26 Junction Box

Sampling Date: May 5, 2005

Approximate Scale: 1 inch = 50 ft

FIGURE 1B

LOCAL GROUNDWATER GRADIENT AND
CHLORIDE/TDS CONCENTRATION MAP



R. T. HICKS CONSULTANTS, LTD.

1909 Brunson Ave., Midland TX 79701

Client: Rice Operating Company
 Site: J-26 Junction Box
 Sampling Date: November 7, 2005
 Approximate Scale: 1 inch = 50 ft

FIGURE 1D
 LOCAL GROUNDWATER GRADIENT AND
 CHLORIDE/TDS CONCENTRATION MAP

TABLE AND GRAPHS

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
	02/09/05	36.62	3339.22	179	1090	<0.001	<0.001	<0.001	<0.001
	05/05/05	37.00	3338.84	179	1060	<0.001	<0.001	<0.001	<0.001
	08/13/05	37.56	3338.28	193	1000	<0.001	<0.001	<0.001	<0.001
11/07/05	37.98	3337.86	233	1020	<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
	02/09/05	37.03	3338.29	294	1220	<0.001	<0.001	<0.001	<0.001
	05/06/05	37.46	3337.86	257	1210	<0.001	<0.001	<0.001	<0.001
	08/13/05	38.02	3337.30	237	1180	<0.001	<0.001	<0.001	<0.001
11/07/05	38.44	3336.88	206	1130	<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
	02/09/05	36.17	3339.68	138	1010	<0.001	<0.001	<0.001	<0.001
	05/06/05	36.56	3339.29	141	870	<0.001	<0.001	<0.001	<0.001
	08/13/05	37.12	3338.73	125	842	<0.001	<0.001	<0.001	<0.001
11/07/05	37.55	3338.30	125	826	<0.001	<0.001	<0.001	<0.001	
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.

WELL SAMPLE DATA SHEETS

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: MW-1
 SYSTEM: Blinebry-Drinkard System DATE: 02/09/05
 SITE LOCATION: J-26 Junction Box SAMPLER: Gil 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: 52.85 Feet

DEPTH TO WATER: 36.62 Feet

HEIGHT OF WATER COLUMN: 16.23 Feet

WELL DIAMETER: 2.0 Inch

7.9 Minimum gallons to purge 3 well volumes

8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH		PHYSICAL APPEARANCE AND REMARKS
13:41	0					Begin bailing
13:45	2	19.5	1.53	8.09		
13:49	4	19.5	1.54	7.99		
13:53	6	19.4	1.55	7.88		
13:57	8	19.4	1.55	7.90		
					13:58	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:16	:Total Time (hr:min)		8	: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: Blinebry-Drinkard System DATE: 02/09/05
 SITE LOCATION: J-26 Junction Box SAMPLER: Gil 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: 58.60 Feet

DEPTH TO WATER: 37.03 Feet

HEIGHT OF WATER COLUMN: 21.57 Feet

WELL DIAMETER: 2.0 Inch

10.6 Minimum gallons to purge 3 well volumes

10 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH		PHYSICAL APPEARANCE AND REMARKS
14:15	0					Begin bailing
14:20	2	19.2	1.91	7.41		
14:24	4	18.8	1.92	7.42		
14:29	6	18.9	1.79	7.40		
14:33	8	19.1	1.87	7.39		
14:37	10	19.0	1.91	7.41		
					14:39	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:22	:Total Time (hr:min)		10	:Total Vol (gal)		0.45 :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: Blinebry-Drinkard System DATE: 02/09/05
 SITE LOCATION: J-26 Junction Box SAMPLER: Gil 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: 60.00 Feet
 DEPTH TO WATER: 36.17 Feet
 HEIGHT OF WATER COLUMN: 23.83 Feet
 WELL DIAMETER: 2.0 Inch

11.7 Minimum gallons to purge 3 well volumes
10 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH		PHYSICAL APPEARANCE AND REMARKS
12:56	0					Begin bailing
13:04	2	18.0	0.88	7.55		
13:08	4	18.5	1.16	7.44		
13:12	6	18.4	1.20	7.43		
13:16	8	18.4	1.21	7.43		
13:20	10	18.4	1.21	7.46		
					13:21	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:24	:Total Time (hr:min)		10	:Total Vol (gal)		0.42 :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-1
 SYSTEM: Blinebry-Drinkard System DATE: 05/04/05
 SITE LOCATION: J-26 Junction Box SAMPLER: Gil 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: 52.85 Feet
 DEPTH TO WATER: 37.00 Feet
 HEIGHT OF WATER COLUMN: 15.85 Feet
 WELL DIAMETER: 2.0 Inch

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

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH		PHYSICAL APPEARANCE AND REMARKS
14:43	0					Begin bailing
14:47	2	19.6	1.53	6.58		
15:08	4	19.6	1.53	6.82		
15:10	6	19.5	1.53	6.83		
15:14	8	18.5	1.51	6.80		
					15:25	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:31	:Total Time (hr:min)		8	:Total Vol (gal)		0.26 :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: Blinebry-Drinkard System DATE: 05/05/05
 SITE LOCATION: J-26 Junction Box SAMPLER: Gil 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: 58.60 Feet

DEPTH TO WATER: 37.46 Feet

HEIGHT OF WATER COLUMN: 21.14 Feet

WELL DIAMETER: 2.0 Inch

10.3 Minimum gallons to purge 3 well volumes

10 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH		PHYSICAL APPEARANCE AND REMARKS
12:29	0					Begin bailing
12:32	2	19.8	1.70	6.63		
12:36	4	19.7	1.73	6.60		
12:40	6	19.5	1.76	6.67		
12:44	8	19.4	1.75	6.62		
12:48	10	19.3	1.75	6.61		
					12:50	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:19	:Total Time (hr:min)		10	: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.

WELL SAMPLING DATA FORM

CLIENT: RICE Operating Company WELL ID: MW-3
 SYSTEM: Blinebry-Drinkard System DATE: 05/05/05
 SITE LOCATION: J-26 Junction Box SAMPLER: Gil 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: 60.00 Feet

DEPTH TO WATER: 36.56 Feet

HEIGHT OF WATER COLUMN: 23.44 Feet

WELL DIAMETER: 2.0 Inch

11.5 Minimum gallons to purge 3 well volumes

10 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH		PHYSICAL APPEARANCE AND REMARKS
13:04	0					Begin bailing
13:07	2	19.7	0.97	6.77		
13:11	4	19.4	1.10	6.72		
13:14	6	19.4	1.19	6.72		
13:17	8	19.3	1.19	6.70		
13:20	10	19.2	1.19	6.68		
					13:21	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:16	:Total Time (hr:min)		10	: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 WELL ID: MW-1
 SYSTEM: Blinebry-Drinkard System DATE: 08/10/05
 SITE LOCATION: J-26 Junction Box SAMPLER: Gil 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: 52.85 Feet
 DEPTH TO WATER: 37.56 Feet
 HEIGHT OF WATER COLUMN: 15.29 Feet
 WELL DIAMETER: 2.0 Inch

7.5 Minimum gallons to purge 3 well volumes
10 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH		PHYSICAL APPEARANCE AND REMARKS
14:55	0					Begin bailing
14:58	2	73.1	1.61	7.76		
15:01	4	70.5	1.59	7.55		
15:06	6	70.3	1.61	7.49		
15:09	8	69.9	1.61	7.43		
15:12	10	70.0	1.6	7.42		
					15:15	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:17	:Total Time (hr:min)		10	:Total Vol (gal)		0.59 :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: Blinebry-Drinkard System DATE: 08/10/05
 SITE LOCATION: J-26 Junction Box SAMPLER: Gil 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: 58.60 Feet
 DEPTH TO WATER: 38.02 Feet
 HEIGHT OF WATER COLUMN: 20.58 Feet
 WELL DIAMETER: 2.0 Inch

10.1 Minimum gallons to purge 3 well volumes
10 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH		PHYSICAL APPEARANCE AND REMARKS
15:27	0					Begin bailing
15:32	2	73.0	1.82	7.32		
15:37	4	70.3	1.80	7.38		
15:47	6	71.0	1.80	7.50		
15:51	8	69.1	1.80	7.40		
15:53	10	69.4	1.84	7.37		
					15:55	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:26	:Total Time (hr:min)		10	:Total Vol (gal)		0.38 :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: Blinebry-Drinkard System DATE: 08/10/05
 SITE LOCATION: J-26 Junction Box SAMPLER: Gil 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: 60.00 Feet
 DEPTH TO WATER: 37.12 Feet
 HEIGHT OF WATER COLUMN: 22.88 Feet
 WELL DIAMETER: 2.0 Inch

11.2 Minimum gallons to purge 3 well volumes
10 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH		PHYSICAL APPEARANCE AND REMARKS
16:17	0					Begin bailing
16:19	2	72.5	1.19	7.60		
16:23	4	69.0	1.21	7.43		
16:30	6	68.6	1.26	7.41		
16:34	8	68.2	1.28	7.39		
16:37	10	67.6	1.27	7.36		
					16:43	Collected sample
						BTEX (2-40 ml VOA)
						Major ions/TDS (1-500 ml plastic)
0:20	:Total Time (hr:min)		10	: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.

LABORATORY REPORTS

AND

CHAIN OF CUSTODY DOCUMENTATION

(See attached compact disk for this information)