

JOB NO. 853-3081 PROJECT WIND CYCLES DOORING - 204460232 00043 WELL NO. F9-15 SHEET 1 OF 2
 GA INSP. PMS DRILLING METHOD HOLLOW STEM AUGERS - 4 1/4" ID GROUND ELEV. 321.4 ft WATER DEPTH 4.53 ft
 WEATHER CLEAR DRILLING COMPANY EMPIRE SOILS INVESTIGATIONS, INC. COLLAR ELEV. 324.31 ft DATE/TIME 9-22-86
 TEMP. 65° F DRILL RIG CME 45 DRILLER J. LAMM STARTED 11-22 6:18-86 COMPLETED 1:58 6:18-86
 LOCATION/COORDINATES 5.5 FT. EAST OF F9-1D / N 9325.04 E 1217.90 TIME / DATE TIME / DATE

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH	INSTALLATION NOTES
(FT.)	NOTE: FOR COMPLETE SOIL DESCRIPTIONS SEE BORING LOG 89-15.		AUGERED TO 18.0 FT. ADDED #1-Q SAND TO 17.8 FT. BELOW
321.4	GROUND SURFACE		GROUND SURFACE (SAMPLE TAKEN); INSTALLED WELL PIPE
0.0	UPPER CLAY TILL STIFF TO VERY STIFF BROWN, MOTTLED SILTY CLAY TO CLAYEY SILT, SOME F-C SAND, LITTLE TO NONE F TO C GRAVEL		(1-10' SCREEN 1-10' RISER) 2.8 FT. STICKUP; WELL
310.6			PIPE SUNK TO 18.2 FT. LEAVING A 2.4 FT. STICKUP
10.8	UPPER SILT TILL COMPACT, BROWN F-SAND, AND SILT, TO CLAYEY SILT, SOME F-C SAND, LITTLE TO NONE F-C SAND AND GRAVEL.		AUGERS BROUGHT UP SLOWLY (~1-2') WHILE #1-Q SAND IS BEING ADDED; WELL CAP CAUGHT ON AUGERS THEREFORE WELL WAS
305.4			PULLED UP TO 17.7 FT. BELOW GROUND SURFACE; ADDED #1-Q SAND TO 60 FT.
16.0	GLACIOFLUVIAL CLAY SOFT, GREY BROWN, BECOMING GREY CLAY, LITTLE TO SOME F-M SAND		2.9 FT. STICKUP; ADDED PELLETS TO 1.5 FT.
303.4			REMOVED AUGERS; MIXED CEMENT GROUT; FILLED TO SURFACE; PUT ON 8" Ø ALUMINUM PROTECTIVE CASING; FILLED INTERIOR OF CASING WITH #4-Q SAND
18.0	END OF BORING		(CONTINUED ON NEXT PAGE)
			WELL DEVELOPMENT NOTES
			DATE DEVELOPED: 7-14-86 TO 7-30-86
			DEVELOPMENT METHOD: AIR LIFT
			VOLUME PURGED: 11.5 GAL
			FOR FURTHER DETAILS SEE ACCOMPANYING WELL DEVELOPMENT TABLE.
			NOTE: A 0.3 FT. END CAP WAS PLACED AT THE BOTTOM OF THE SCREEN SECTION. 2.5 AND 10 FT. SCREEN SECTIONS ARE ACTUAL. 2.35, 5.325, 10.325 FT. IN LENGTH RESPECTIVELY.

JOB NO. 853-3051
SCALE 1 INCH = 5 FEET

Golder Associates

CHECKED DJM
DATE DRAWN 12-11-86

**Golder
Associates**

NYS DEC OHMS Document No. 201469232-00043

SUBJECT CWM/WELLS/MODEL CITY

F9-15

Job No. 853-3051

Made by PMS

Date 6-18-86

Ref.

Checked DJM

Sheet 2 of 2

Reviewed JFC

WEEP HOLES WERE PLACED IN PROTECTIVE CASING FOR DRAINAGE. PROTECTIVE POSTS WERE PLACED AROUND WELL. A CONCRETE PAD WAS LATER PLACED AROUND WELL BY THE SITE AND NEW WEEP HOLES WERE PUT IN CASING. A DEDICATED STAINLESS STEEL BAILER WAS INSTALLED SUBSEQUENT TO DEVELOPMENT.

Boring Log

JOB NO. 853-3051 GA. INSTR. ENS PROJECT CWM/WEELS/HODEL CITY BORING NO. F9-1D
 DEPTH HOLE 43.3 FT DEPTH WL. 7.24 ft DRILLING METHOD HOLLOW STEEL AUGERS 4 1/4 ID SHEET 1 OF 1
 TEMP 80° TIME WL. 9-22-86 DRILLING COMPANY EMPRE SOIL INVESTIGATIONS, INC. SURFACE ELEV. 321.7 FT
 WEATHER SUNNY/WARM DRILL RIG CME 55 DRILLER M. GAUDY DATUM USL
 COORDINATES N 93° 34' 45" E 12112.56 WT. SAMPLER HAMMER 140 LBS. DROP 30 IN. STARTED 10:35/67
 LOCATION 5.5 FT. WEST OF F9-1S WT. CASING HAMMER 300 LBS. DROP 30 IN. COMPLETED 8:35/67

ELEV. DEPTH (FT)	DESCRIPTION	UNIFIED CLASS	BLOWS/FOOT	SAMPLES				REMARKS
				NUMBER	TYPE	HAMMER BLOWS PER 5 IN.	REC./ ATT	
302.7	FOR COMPLETE SOIL DESCRIPTION AT THIS LOCATION ALSO SEE BORING LOG F9-1S							INSTALLED 10 INCH DIAM. PVC SURFACE CASING TO 20.0 FT. AUGERED TO 19.0 FT. NO SAMPLING
19.0	VERY SOFT GRAY CLAY, LITTLE F-M SAND, TRACE TO LITTLE SILT, VERY STICKY	CL TO CH	1	1	DO	WH-WH-1-2	21/24	GLACIOLACUSTRINE CLAY
			4	2	DO	2-2-2-3	24/24	
			3	3	DO	WH-2-1-2	24/24	
			2	4	DO	WH-WH-2-2	19/24	OCCASIONAL THIN BROWN GRAY SILT LENSE, SAND LENSE DILATANT, WET, 37.0 TO 29.0 FT.
292.7			4	5	DO	2-2-2-3	18/24	
29.0	COMPACT TO DENSE GRAY BROWN TO BROWN F SAND LITTLE TO SOME M-C SAND TRACE TO LITTLE SILTY CLAY, WET, DILATANT AT 37.0 FT. BECOMING VERY DENSE RED BROWN TO MULTICOLORED F-C SAND LITTLE TO TRACE SILTY CLAY	SM	22	6	DO	4/3-10-12-12	7/24	GLACIOLACUSTRINE SILT/SAND
			52	7	DO	19-30-22-26	12/24	
			43	8	DO	21-22-21-19	17/24	OCCASIONAL DARK GRAY SILTSTONE CLAST, 1 BY 1.5 INCHES, BETWEEN 31.0 AND 33.0 FT.
			32	9	DO	15-20-20-25	14/24	
			42	10	DO	21-20-22-40	13/24	OCCASIONAL GREEN LIMESTONE CLAST BETWEEN 38.8 AND 39.0 FT. SILT LAYER FROM 39.0 TO 40.0 FT. AUGERED 40.0 40.5 FT. NO SAMPLING
			>83	11	DO	32-51/45	11/12	
			>151	12	DO	21-51-100/3	12/16	
280.2	VERY DENSE TO HARD RED BROWN SILTY CLAY SOME M-C SAND, SOME F-C GRAVEL RED BROWN SHALE FRAGMENTS	ML	>100	13	DO	100/3	4/4	BASAL RED TILL AUGERED 41.8 TO 42.0 FT. NO SAMPLING
41.5								

279.4
42.3
END OF SAMPLING
AUGERED TO 43.3 FT.

END OF SAMPLING

* NOTE: 300 LB. HAMMER
WAS USED.

JOB NO. 853-3051
SCALE 1 INCH = 5 FEET

Golder Associates

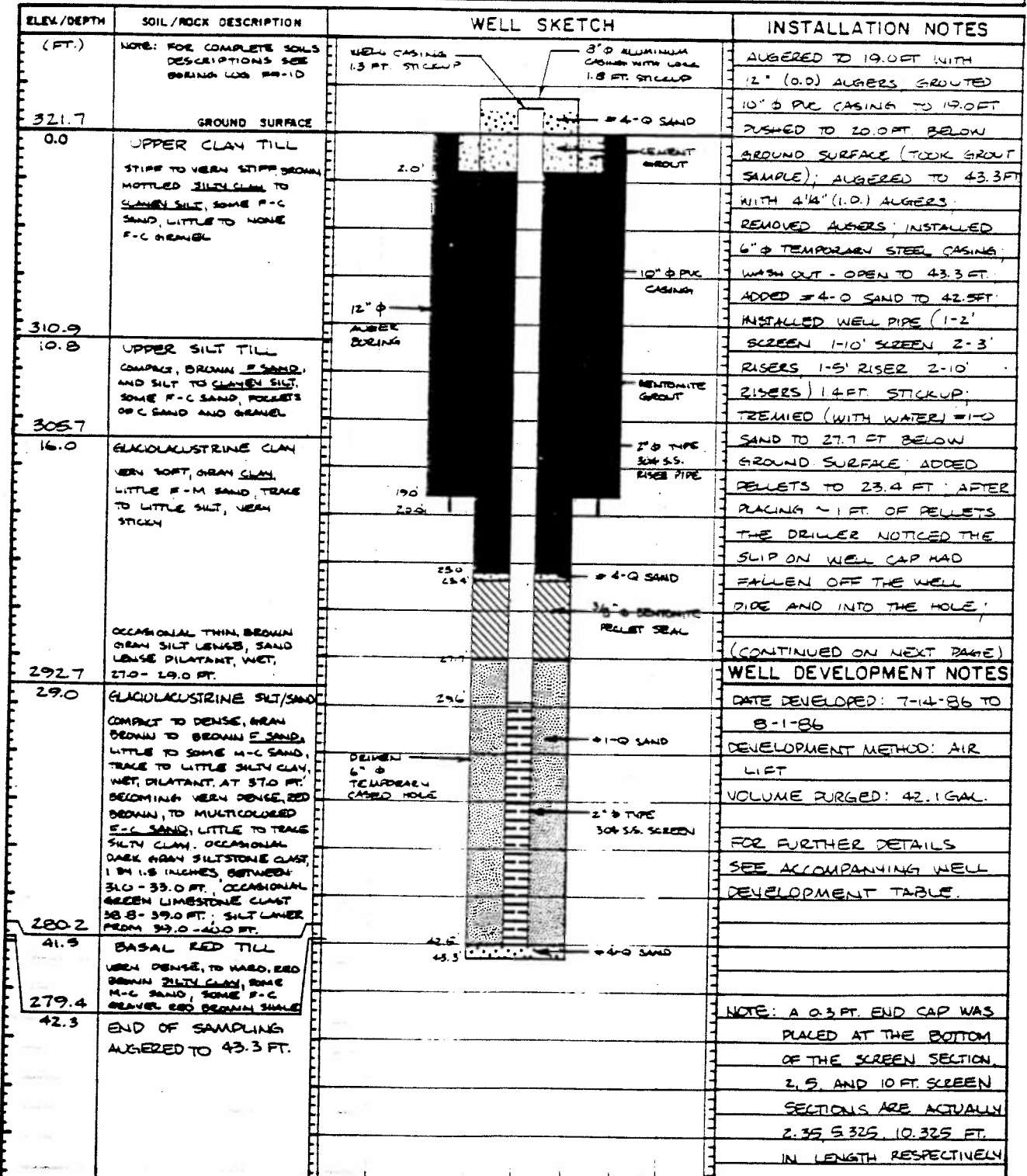
CHECKED DJM
DATE DRAWN 11/30/86

MONITORING WELL INSTALLATION LOG

JOB NO. 853-3051 PROJECT NWSEDCO/HMS Document No. 201469232-00043 WELL NO. 59-1D SHEET 1 OF 2
 GA INSP. FWS DRILLING METHOD HOLLOW STEM AUGERS - 4 1/4" I.D. GROUND ELEV. 321.7 WATER DEPTH 7.24 FT.
 WEATHER CLOUDY DRILLING COMPANY EMPIRE SOILS INVESTIGATIONS INC. COLLAR ELEV. 323.01 DATE/TIME 9-23-86
 TEMP. 65°F DRILL RIG CME 55 DRILLER M. GAUDY STARTED 10:35 9-23-86 COMPLETED 3:50 9-23-86
 LOCATION/COORDINATES S.5 FT. WEST OF F9-1S / N. 9334 45 E 12112.56 TIME / DATE

MATERIALS INVENTORY

WELL CASING 2.0 IN. DIA. 31.0 I.L. WELL SCREEN 2.0 IN. DIA. 12.0 I.L. BENTONITE SEAL PELLETS 43' DEEP
 CASING TYPE 304 STAINLESS STEEL SCREEN TYPE 304 STAINLESS STEEL INSTALLATION METHOD TREMIE TUBE WASH
 JOINT TYPE FLUSH TIGHTEN WITH TAPES SLOT SIZE 0.006 INCH FILTER PACK QTY 156 L.F.
 GROUT QUANTITY 80 GAL. CENTRALIZERS NONE FILTER PACK TYPE #1-0 SAND
 GROUT TYPE BENTONITE GROUT DRILLING MUD TYPE NONE INSTALLATION METHOD TREMIE TUBE WASH



JOB NO. 853-3051

Golder Associates

CHECKED DJM

SCALE 1 INCH = 5 FEET

DATE DRAWN 12-11-86

**Golder
Associates**

NYSDEC OHMS Document No/201469232.00/043

SUBJECT CWM/WELLS/MODEL CITY

F9-1D

Job No. 853-3051

Made by FWS

Date 6-24-86

Ref.

Checked DJM

Sheet 2 of 2

Reviewed JFC

HOWEVER THERE WAS NO CHANCE OF THE SAND OR PELLETS GOING DOWN THE INSIDE OF THE WELL SINCE THE SAND AND PELLETS ARE BOTH INSTALLED THROUGH A TREMIE TUBE; A NEW CAP COULD NOT BE PLACED ON WELL UNTIL ALL THE PELLETS WERE INSTALLED AND THE NEXT 10' SECTION OF CASING COULD BE REMOVED; A SCREW-ON CAP WAS PLACED ON WELL; #4-0 SAND WAS ADDED TO 23.0FT; MIXED GROUT FIRST BATCH 65 LBS. BENTONITE / 45 GAL. H₂O SECOND BATCH 50 LBS BENTONITE / 35 GAL. H₂O; FILLED TO 2.0FT. BELOW GROUND SURFACE; REMOVED 6" TEMPORARY CASING; MIXED CEMENT GROUT; FILLED TO GROUND SURFACE; PUT ON 8" Ø ALUMINUM PROTECTIVE CASING; FILLED INTERIOR OF CASING WITH #4-0 SAND; WEEP HOLES WERE PLACED IN CASING FOR DRAINAGE; PROTECTIVE POSTS WERE PLACED AROUND WELL; A CONCRETE PAD WAS LATER PLACED AROUND WELL BY THE SITE AND NEW WEEP HOLES WERE PUT IN CASING; A WELL WIZARD WAS INSTALLED SUBSEQUENT TO DEVELOPMENT.

JOB NO. B53-3051 QA. INSP. LEL PROJECT CWM/WELLS/MODEL CITY BORING NO. TW-15
 DEPTH HOLE 18.0 FT. DEPTH W/IN. 3 DEC OHMS DRILLING METHOD ROD AND STEEL AXES-4 1/4" ID SHEET 1 OF 1
 TEMP 57° E TIME WL. 9/27/86 DRILLING COMPANY EMPIRE SOILS INVESTIGATIONS, INC. SURFACE ELEV. 318.8 FT
 WEATHER RAIN DRILL RIG CME 45 DRILLER K. SWINNICH DATUM MSL
 COORDINATES N 8813.84 E 8999.13 WT. SAMPLER HAMMER 140 LBS DROP 30 IN. STARTED 2:45 15-9-86
 LOCATION - WT. CASING HAMMER 300 LBS DROP 30 IN. COMPLETED 4:10 15-9-86

ELEV. DEPTH (FT)	DESCRIPTION	UNIFIED CLASS	BLOWS/FOOT	SAMPLES				REMARKS	
				NUMBER	TYPE	HAMMER BLOWS PER 6 IN.	REC./ ATT		
318.8 0.0	GROUND SURFACE							GROUND SURFACE	
307.8 11.0	FIRM TURNING TO VERY STIFF, BROWN MOTTLED, <u>SILTY CLAY</u> , SOME F TO C SAND.			22	1	DO	6-12-10-10	24/24	UPPER CLAY TILL
				22	2	DO	16-12-20-20	22/24	0.3-2.0 FT, SOME ROOT MATERIAL
				24	3	DO	6-10-14-20	24/24	0.3-6.0 FT, SOME F GRAVEL
				54	4	DO	20-28-26-27	24/24	6.5-7.5 FT, COMPACT RED BROWN SILT SOME F SAND, MOIST
				12	8	DO	5-6-6-10	24/24	AT 10.5 FT., 2.0 IN. SAND AND SILT LENSE
305.5 13.3	COMPACT, BROWN, <u>SILT</u> , AND F TO C SAND, LITTLE TO SOME GRAVEL, TRACE CLAY MOIST.			19	9	DO	3-7-12-20	18/24	UPPER SILT TILL
300.8 18.0	VERY SOFT, GRAY, CLAY, LITTLE F SAND, PLASTIC, STICKY.			33	11	DO	23-17-16-11	24/24	12.0-12.7 FT. FIRM TO SOFT <u>BROWN SILTY CLAY LAYER</u>
				6	14	DO	3-3-3-3	24/24	GLACIOACUSTRINE CLAY
				6	15	DO	3-3-3-3	24/24	13.3-15.8 FT, COMPACT GRAY BROWN <u>CLAY</u> , <u>SILT LAYER</u>
18.0	END OF SAMPLING AUGERED TO 17.0 FT.								END OF SAMPLING
									INSTALLED TMW-15 SEE ACCOMPANYING MONITORING WELL INSTALLATION LOG.

JOB NO. B53-3051

Golder Associates

CHECKED DJM

SCALE 1 INCH = 5 FEET

DATE DRAWN 11/25/86

CUTTING LOG

JOB NO. 853-3051 GA. INSP. LEL PROJECT CWM/WELLS/MODEL CITY BORING NO. TWN-15
 DEPTH HOLE 18.0 FT. DEPTH NYSDBC OHMS Document No. 201469232-08043 SHEET 1 OF 1
 TEMP 57° F TIME WL. 9/27/86 DRILLING METHOD SOLOID STEEL AUGERS - 4 1/4" ID SURFACE ELEV. 318.8 FT
 WEATHER RAIN DRILL RIG CUE 45 DRILLER K. SWANWICH DATUM MSL
 COORDINATES N 8813.84 E 8999.13 WT. SAMPLER HAMMER 140 LBS DROP 30 IN. STARTED 2:45 / 5-9-86
 LOCATION - WT. CASING HAMMER 300 LBS DROP 30 IN. COMPLETED 4:10 / 5-9-86

ELEV. DEPTH (FT)	DESCRIPTION	UNIFIED CLASS	BLOWS/FOOT	SAMPLES				REMARKS
				NUMBER	TYPE	HAMMER BLOWS PER 6 IN.	REC./ATT	
318.8 0.0	GROUND SURFACE							GROUND SURFACE
	FIRM TURNING TO VERY STIFF, BROWN MOTTLED, SILTY CLAY, SOME F TO C SAND.		22	1	DO	6-12-10-10	24/24	UPPER CLAY TILL
			22	2	DO	16-12-20-20	22/24	0.3-2.0 FT, SOME ROOT MATERIAL
			24	3	DO	6-10-14-20	24/24	0.3-6.0 FT, SOME F GRAVEL
			54	4	DO	20-28-26-27	24/24	6.5-7.5 FT, COMPACT RED BROWN SILT SOME F SAND, MOIST
			12	8	DO	5-6-6-10	24/24	AT 10.5 FT, 2.0 IN. SAND AND SILT LENSE
307.8 11.0	COMPACT, BROWN, SILT, AND F TO C SAND, LITTLE TO SOME GRAVEL, TRACE CLAY MOIST.		19	9	DO	3-7-12-20	18/24	UPPER SILT TILL
305.5 13.3	VERY SOFT, GRAY, CLAY, LITTLE F SAND, PLASTIC, STICKY.		33	11	DO	23-17-16-11	24/24	12.0-12.7 FT. FIRM TO SOFT BROWN SILTY CLAY LAYER
			6	14	DO	3-3-3-3	24/24	GLACIOCLASTIC CLAY
			6	15	DO	3-3-3-3	24/24	3.3-13.8 FT, COMPACT GRAY BROWN CLAY, SILT LAYER
300.8 18.0	END OF SAMPLING AUGERED TO 17.0 FT.							END OF SAMPLING
								INSTALLED TWN-15 SEE ACCOMPANYING MONITORING WELL INSTALLATION LOG.

JOB NO. 853-3051

SCALE 1 INCH = 5 FEET

Golder Associates

CHECKED DJM

DATE DRAWN 11/25/86

Boring Log

JOB NO. 853-3051 GA. INSP. LEL PROJECT CWM/WEELS/MODEL CITY BORING NO. TMW-25
 DEPTH HOLE 280 FT DEPTH WL. 8.47 FT NYSDOC OHMS Document No. 201469232-00043 SHEET 1 OF 1
 TEMP 58° F TIME WL. 9-22-86 DRILLING METHOD DOWN STEM AXEFS - 4 1/2" ID SURFACE ELEV. 327.6 FT
 WEATHER CLOUDY DRILL RIG CUE 45 DRILLER K. SWANICH DATUM MSL
 COORDINATES N8852.86 E9822.52 WT. SAMPLER HAMMER 140 LBS DROP 30 IN. STARTED 10:30 / 9-21-86
 LOCATION — WT. CASING HAMMER 300 LBS DROP 30 IN. COMPLETED 3:20 / 9-21-86

ELEV. DEPTH (FT.)	DESCRIPTION	UNIFIED CLASS	BLOW/FOOT	SAMPLES				REMARKS
				NUMBER	TYPE	HAMMER BLOWS PER 8 IN.	REC/ ATT	
327.7	GROUND SURFACE							GROUND SURFACE
327.4 0.3	PLANT MATERIAL WITH CLAYEY SILT	MY	14	2	DO	7-10-4-6	16/24	TOPSOIL
	STIFF, BROWN, CLAYEY SILT, TO COMPACT, SAND, SOME F TO C GRAVEL.	CL	39	3	DO	10-18-21-17	16/24	FILL 0.3-11.0 FT., GRAVEL, MOIST LOOSE (ROAD FILL) 2.0-3.0 FT., SOIL MOIST TO WET 6.0-7.0 FT., LOOSE GRAVEL FILL
			123	5	DO	21-38-85-45	24/24	
320.9 6.8			52	7	DO	20-25-27-35	24/24	UPPER CLAY TILL 6.8-8.0 FT., LITTLE GRAVEL 6.8-14.0 FT., SOIL IS MOTTLED
	STIFF TO VERY STIFF, BROWN AND GRAY BROWN, CLAYEY SILT, TO SILTY CLAY, SOME F-C SAND.	CL	16	9	DO	5-7-9-10	22/24	
			15	10	DO	4-5-10-12	22/24	
			39	11	DO	10-12-27-30	24/24	TAN SILT LENSE AT 13.0 FT.
			22	13	DO	3-9-12-21	23/24	
			37	14	DO	12-18-19-18	24/24	GRAY SILT LENSE AT 16.3 FT.
307.7 20.0	SOFT TO VERY SOFT, GRAY, CLAY, TO FIRM, GRAY BROWN, CLAYEY SILT, SOME F TO C SAND.	CL	11	15	DO	3-4-7-7	12/24	
			7	16	DO	2-3-4-4	18/24	GLACIOLACUSTRINE CLAY 20.0-25.4 FT., LITTLE F SUBROUNDED GRAVEL
			7	17	DO	3-3-4-4	24/24	
			5	18	DO	2-2-3-6	20/24	25.5-25.8 FT., SILT AND SAND LENSES (DILATANT)
299.7 28.0	END OF SAMPLING ADJURED TO 27.0 FT.	CH	0	20	DO	0-0-0-0	24/24	
								END OF SAMPLING
								INSTALLED TMW-25 SEE ACCOMPANYING MONITORING WELL INSTALLATION LOG.

JOB NO. 853-3051
 SCALE 1 INCH = 5 FEET

Golder Associates

CHECKED DJM
 DATE DRAWN 11/25/86

**Golder
Associates**

NYSDEC OHMS Document No. 201469232/00043

SUBJECT CWM/WELLS/MODEL CITY		TMW-13
Job No. 853-3051	Made by LEL	Date 5-19-86
Ref.	Checked DJM	Sheet 2 of 2
	Reviewed JFC	

CASING: A DEDICATED STAINLESS STEEL CASING WAS INSTALLED
SUBSEQUENT TO DEVELOPMENT.

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NYS SUBJECTS DOCUMENT No. 28146922/00143

CWM/WELLS/MODEL CITY			TMW-25
Job No. 853-3051	Made by LEL	Date 5-21-86	
Ref.	Checked DJM	Sheet 2 of 2	
	Reviewed JFC		

STAINLESS STEEL BAILER WAS INSTALLED TO COMPLETE DEVELOPMENT
AND FOR SUBSEQUENT SAMPLING

MONITORING WELL INSTALLATION LOG

JOB NO. 853-3031 PROJECT CWNY / WELLS NYSDEC OHMS Document No. 201469232-00043 WELL NO. TMW-25 SHEET 1 OF 2
 QA INSP. LEL DRILLING METHOD HOLLOW STEM AUGERS - 4 1/2" ID GROUND ELEV. 327.6 FT WATER DEPTH 8.47 FT
 WEATHER CLOUDY DRILLING COMPANY EMPIRE SOILS INVESTIGATIONS INC. COLLAR ELEV. 329.25 FT DATE/TIME 9-22-86
 TEMP. 48° F DRILL RIG CME 43 DRILLER K. SWINNIGH STARTED 3:20 5:21 86 COMPLETED 4:10 5:21 86
 LOCATION/COORDINATES N 88.52 86 E 9822.52

MATERIALS INVENTORY

WELL CASING <u>2.0</u> M. DIA. <u>10.0</u> I.	WELL SCREEN <u>2.0</u> M. DIA. <u>18.2</u> I.	BENTONITE SEAL <u>PELLETS 4.0' DEEP</u>
CASING TYPE <u>304 STAINLESS STEEL</u>	SCREEN TYPE <u>304 STAINLESS STEEL</u>	INSTALLATION METHOD <u>THROUGH AUGERS</u>
JOINT TYPE <u>FLUSH TAPER J-TEN O-RINGS</u>	SLOT SIZE <u>0.006 INCH</u>	FILTER PACK QTY <u>20.0 LF</u> <u>450 LBS</u>
GROUT QUANTITY <u>NA</u>	CENTRALIZERS <u>NONE</u>	FILTER PACK TYPE <u>#1-0 SAND</u>
GROUT TYPE <u>NA</u>	DRILLING MUD TYPE <u>NONE</u>	INSTALLATION METHOD <u>THROUGH AUGERS</u>

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH	INSTALLATION NOTES
(F+)	NOTE: FOR COMPLETE SOIL DESCRIPTIONS SEE SOILS LOG TBM-25		
327.7	GROUND SURFACE		AUGERED TO 27.0 FT. ADDED #1-0 SAND TO 26.5 FT. BELOW GROUND SURFACE. INSTALLED WELL PIPE (1-2" SCREEN 1-5
0.0 97.4 0.3	TOP SOIL FILL STIFF BROWN CLAYEY SILT AND COMPACT SAND, SOME F.TOC GRAVEL.		SCREEN 1-10 SCREEN 1-10 RISER, 1.8 FT. STICKUP, ADDED #1-0 SAND TO 1.0 FT. SAMPLE TAKEN, ADDED BENTONITE TO 3.0 FT. ADDED BENTONITE POWDER TO 2.0 FT. BELOW
320.9 6.8	UPPER CLAY TIL STIFF TO VERY STIFF BROWN AND GRAY, BROWN, CLAYEY SILT TO SILTY CLAY, SOME F.C. SAND, OCCASIONAL SILT LENSE		GROUND SURFACE REMOVED AUGERS. MIXED CEMENT GROUT FLOWED TO GROUND SURFACE. PUT IN 8" DIA. ALUMINUM PROTECTIVE CASING. FILLED INTERIOR OF CASING WITH #4-20 SAND. WEEP HOLES WERE PUT IN CASING FOR DRAINAGE. PROTECTIVE POSTS WERE PUT AROUND WELL. A CONCRETE PAD WAS LATER PUT AROUND WELL ON THE SITE AND NEW WEEP HOLES WERE PUT IN CASING. A DEDICATED
307.7 20.0	GLACIOFLUVIAL CLAY 40 FT TO VERY SOFT GRAY CLAY TO FIRM GRAY BROWN CLAYEY SILT, SOME F.TOC SAND.		(CONTINUED ON NEXT PAGE)
299.7 28.0	END OF SAMPLING AUGERED TO 27.0 FT.		WELL DEVELOPMENT NOTES DATE DEVELOPED: 9-22-86 TO 8-12-86 DEVELOPMENT METHOD BAUER VOLUME PURGED: 10 B GAL FOR FURTHER DETAILS SEE ACCOMPANYING WELL DEVELOPMENT TABLE. NOTE: A 83 FT. END CAP WAS PLACED AT THE BOTTOM OF THE SCREEN SECTION. 2.5 AND 10 FT. SCREEN SECTIONS ARE ACTUALLY 2.35, 9.325, 10.325 FT. IN LENGTH, RESPECTIVELY.

JOB NO. 853-3031

Golder Associates

CHECKED D.M.

DATE DRAWN 12-11-86

SCALE 1 INCH = 5 FEET

JOB NO. 853-3051 PROJECT CWAMP SPEC OHMS Dgiment No. 201469232-00043 WELL NO. TMW-35 SHEET 1 OF 1
 SA INSP. LEL DRILLING METHOD HOLLOW STEM AUGERS - 4 1/4 ID GROUND ELEV. 319.3 ft WATER DEPTH 3.56 ft
 WEATHER RAIN DRILLING COMPANY EMPIRE SOILS INVESTIGATIONS INC. COLLAR ELEV. 321.70 ft DATE/TIME 9-22-86
 TEMP. 47° F DRILL RIG CME 45 DRILLER K. SWINNICH STARTED 2:20 5:20 PM COMPLETED 3:40 5:20 PM
 LOCATION/COORDINATES 42 FT WEST OF TMW-3D / N 9027.13 E 9357.17 TIME / DATE TIME / DATE

ELEV./DEPTH	SOIL/ROCK DESCRIPTION	WELL SKETCH	INSTALLATION NOTES
(FT.) NOTE: FOR COMPLETE SOIL DESCRIPTIONS SEE BORING LOG TREN-98			AUGERED TO 24.0 FT., ADDED #1-0 SAND TO 23.7 FT. BELOW GROUND SURFACE (TOOK SAMPLE) INSTALLED WELPIPE (1-5'
319.3 GROUND SURFACE			
0.0 TOPSOIL 319.0 PLANT MATERIAL 0.3 FILL			SCREEN 1-10' SCREEN, 1-10' RISER) 2.4 FT. STICKUP
STIFF TURNING TO VERY STIFF, GRAY BROWN, CLAYEY SILT. SOME F TO C SAND, LITTLE TO SOME GRAVEL			ADDED #1-0 SAND TO 6.0 FT ADDED PELLETS TO 2.0 FT.
311.3 UPPER CLAY TILL 8.0	FIRM TURNING TO STIFF, BROWN, MOTTLED, SILT/CLAY, SOME F TO C SAND, LITTLE GRAVEL, GRAY WEATHERING ALONG VERTICAL FRACTURES FROM 10.0-16.0 FT.		BELOW GROUND SURFACE, REMOVED AUGERS; MIXED CEMENT GROUT; FILLED TO SURFACE; PUT ON 8" Ø ALUMINUM PROTECTIVE CASING; FILLED INTERIOR OF CASING WITH #4-0 SAND; UNDEP HOLES WERE PUT IN CASING FOR DRAINAGE; PROTECTIVE POSTS WERE PUT AROUND WELL A CONCRETE PAD WAS LATER PLACED AROUND WELL BY THE SITE AND NEW WEAP HOLES WERE PUT IN CASING; A DEDICATED STAINLESS STEEL BAILEY WAS INSTALLED SUBSEQUENT TO DEVELOPMENT
301.3 UPPER SILT TILL 18.0 COMPACT, GRAY BROWN, F TO C SAND, SOME SILT, SOME F GRAVEL			
298.0 GLACIOLAUSTRINE CLAY 21.3 VERY SOFT TURNING TO 295.3 SOFT GRAY, CLAY, SOME END OF BORING 24.0			
			WELL DEVELOPMENT NOTES
			DATE DEVELOPED: 8-22-80 TO 9-30-86
			DEVELOPMENT METHOD: AIR LIFT
			VOLUME PURGED: .69 GAL.
			FOR FURTHER DETAILS SEE ACCOMPANYING WELL DEVELOPMENT TABLE.
			NOTE: A 0.3 FT. END CAP WAS PLACED AT THE BOTTOM OF THE SCREEN SECTION. 2, 5 AND 10 FT. SCREEN SECTIONS ARE ACTUALLY 2.35, 9.325, 10.325 FT. IN LENGTH, RESPECTIVELY

Boring Log

JOB NO. 853-3051 GA. INSP. LEE PROJECT CHARTER/NEEL/MODEL CITY BORING NO. TMW-35
 DEPTH HOLE 24.0 FT. DEPTH WL. 3.54 FT. DRILLING METHOD HOLLOW STEM AUGERS - 4 1/4" ID SHEET 1 OF 1
 TEMP 50° F TIME WL. 9-22-86 DRILLING COMPANY EMPRE SOIL INVESTIGATIONS, INC. SURFACE ELEV. 319.5 FT
 WEATHER CLOUDY/RAIN DRILL RIG CME 45 DRILLER K SWINNICH DATUM MSL
 COORDINATES N9027.13 E9357.17 WT. SAMPLER HAMMER 40 LBS. DROP 30 IN. STARTED 11:10 / 5-20-86
 LOCATION 4.5 FEET WEST OF TMW-30 WT. CASING HAMMER 300 LBS. DROP 30 IN. COMPLETED 2:20 / 5-20-86

ELEV. DEPTH (FT)	DESCRIPTION	UNIFIED CLASS	BLOWS/FOOT	SAMPLES				REMARKS
				NUMBER	TYPE	HAMMER BLOWS PER 6 IN.	REC./ATT	
319.5	GROUND SURFACE							GROUND SURFACE
319.8	PLANT MATERIAL WITH CLAYEY SILT	ML	10	1	DO	2-3-7-9	24/24	TOPSOIL - WET
319.03			17	2	DO	9-10-7-7	12/24	FILL
	STIFF TURNING TO VERY STIFF, GRAY BROWN, CLAYEY SILT, SOME F TO C SAND, LITTLE TO SOME GRAVEL.	CL	10	3	DO	3-5-5-6	22/24	4.0-6.0 FT. OCCASIONAL FIBROUS ROOTS
			10	5	DO	6-5-5-3	18/24	6.0-8.0 FT. OCCASIONAL BLACK ASPHALT LENSES
311.5			20	6	DO	4-8-12-13	20/24	UPPER CLAY TILL
8.0			21	7	DO	4-7-14-16	24/24	8.0-10.0 FT. OCCASIONAL FIBROUS ROOT
	FIRM TURNING TO STIFF, BROWN MOTTLED, SILTY CLAY, SOME F TO C SAND, LITTLE F GRAVEL.	CL	35	8	DO	15-16-19-17	24/24	10.0-16.0 FT., GRAY WEATHERING ALONG VERTICAL FRACTURES
			12	9	DO	3-5-7-7	15/24	
301.5			20	10	DO	7-10-10-10	24/24	
18.0	COMPACT, GRAY BROWN, F TO C SAND, SOME SILT, SOME F GRAVEL.	ML	27	11	DO	11-13-14-20	17/24	UPPER SILT TILL
298.2			37	12	DO	8-20-17-3	19/24	
21.3	VERY SOFT TURNING TO SOFT, GRAY, CLAY, SOME F TO M SAND, PLASTIC.	CH	-	14	DO	-	21/24	GLACIOACUSTRINE CLAY
295.5								
24.0	END OF BORING							END OF BORING
								INSTALLED TMW-35 SEE ACCOMPANYING MONITORING WELL INSTALLATION LOG.

JOB NO. 853-3051
 SCALE 1 INCH = 5 FEET

Golder Associates

CHECKED DJM
 DATE DRAWN 11/25/86

MONITORING WELL INSTALLATION LOG

NYSDEC OHMS Document No. 201469232-00043

JOB NO. <u>853-303</u>	PROJECT <u>SNM / WELLS - VIOLE</u>	WELL NO. <u>TMW-3D</u>	SHEET <u>1</u> OF <u>2</u>
SA INSP. <u>LE</u>	DRILLING METHOD <u>HOLLOW STEM AUGERS - 4 1/4" I.D.</u>	GROUND ELEV. <u>319.5</u>	WATER DEPTH <u>5.3</u>
WEATHER <u>SUNNY</u>	DRILLING COMPANY <u>EMPIRE SOILS INVESTIGATIONS, INC.</u>	COLLAR ELEV. <u>322.04</u>	DATE/TIME <u>9-22-86</u>
TEMP. <u>63°</u>	DRILL RIG <u>CME 55</u>	DRILLER <u>M. SANDY</u>	STARTED <u>10:20 6-18-86</u>
LOCATION/COORDINATES <u>4.5 FT. EAST OF TMW-3S</u>		<u>N 90°27'20" E 936.175</u>	COMPLETED <u>3:40 6-18-86</u>

MATERIALS INVENTORY			
WELL CASING <u>2.0</u> IN. DIA. <u>39.0</u> I.E.	WELL SCREEN <u>2.0</u> IN. DIA. <u>2.6</u> I.E.	BENTONITE SEAL <u>PELLETS 3.9' DEEP</u>	
CASING TYPE <u>304 STAINLESS STEEL</u>	SCREEN TYPE <u>304 STAINLESS STEEL</u>	INSTALLATION METHOD <u>REMIE TYPE WASH</u>	
JOINT TYPE <u>ALUM. THERAPY TAPERED TAPER O-RINGS</u>	SLOT SIZE <u>0.006 INCH</u>	FILTER PACK QTY <u>4.2 LF</u> <u>75.05</u>	
GROUT QUANTITY <u>80 GAL.</u>	CENTRALIZERS <u>NONE</u>	FILTER PACK TYPE <u>#1-Q SAND</u>	
GROUT TYPE <u>BENTONITE</u>	DRILLING MUD TYPE <u>NONE</u>	INSTALLATION METHOD <u>REMIE TYPE WASH</u>	

ELEV./DEPTH (FT.)	SOIL/ROCK DESCRIPTION	WELL SKETCH	INSTALLATION NOTES
	NOTE: FOR COMPLETE SOIL DESCRIPTIONS SEE BORING LOG TMW-3D		
319.5	GROUND SURFACE		AUGERED TO 19.0 FT. WITH 2 INCH (2.0) AUGERS GROUDED
0.0	TOPSOIL		0" Ø PVC CASING 19.0 FT. B.G.S.
319.2	PLANT MATERIAL		PUSHED CASING TO 19.3 FT. B.G.S.
0.3	FILL		(TOOK GROUT SAMPLE) AUGERED TO 39.2 FT. WITH 4 1/4 INCH (1.0) AUGERS. PULLED AUGERS. INSTALLED 6" Ø TEMPORARY STEEL CASING. WASHED OUT - OPEN TO 39.2 FT. B.G.S.
311.5	STIFF TURNING TO VERY STIFF, GRAY BROWN, CLAYEY SILT, SOME F TO C SAND, LITTLE TO SOME GRAVEL		REMIED (WITH WATER, #4-Q SAND TO 39.1 FT. B.G.S. (TOOK DRY SAMPLE). INSTALLED WELL PIPE (1-2' SCREEN 3-3' RISERS 3-10' RISERS) 2.5 FT. STICKUP. ADDED #1-Q SAND TO 35.0 FT. B.G.S. (TOOK SAMPLE). ADDED PELLETS TO 31.1 FT. B.G.S. ADDED #4-Q SAND TO 30.1 FT. B.G.S. MIXED GROUT 12" BATCH 60 LBS BENTONITE/40 GAL. H ₂ O. 2ND BATCH 70 LBS BENTONITE 40 GAL. H ₂ O. REMOVED 6"
8.0	UPPER CLAY TILL		(CONTINUED ON NEXT PAGE)
301.5	FIRM TURNING TO STIFF, BROWN, MOTTLED, SILTY CLAY, SOME F TO C SAND, LITTLE GRAVEL. GRAY WEATHERING ALONG VERTICAL FRACTURES FROM 10.0-16.0 FT		WELL DEVELOPMENT NOTES
18.0	UPPER SILT TILL		DATE DEVELOPED: 7-10-86 TO 7-30-86
298.2	COMPACT, GRAY BROWN, F TO C SAND, SOME SILT, SOME F GRAVEL		DEVELOPMENT METHOD: AIR LIFT
21.3	GLACIOLACUSTRINE CLAY		VOLUME PURGED: 7.4 GAL
291.5	VERY SOFT TURNING TO SOFT, GRAY CLAY, SOME F TO M SAND		FOR FURTHER DETAILS SEE ACCOMPANYING WELL DEVELOPMENT TABLE
28.0	GLACIOLACUSTRINE SILT/SAND		
282.5	COMPACT TO DENSE, BROWN, F SAND, AND TO TRACE SILT LITTLE TO AND M-C SAND, TURNING TO DENSE TO VERY DENSE, RED BROWN, SILT, AND F-C SAND		
37.0	BASAL RED TILL		
280.9	VERY DENSE, RED BROWN SILT, AND F TO C SAND, LITTLE CLAY		
38.6	END OF SAMPLING		
	AUGERED TO 39.2 FT.		

Boring Log

JOB NO. 853-3051 QA. INSP. LEL PROJECT CWM/WELLS/MOORE CITY BORING NO. TW-3D
 DEPTH HOLE 39.2 FT. DEPTH WL. 513 F- DRILLING METHOD HOLLOW STEM AUGERS - 4 1/2" ID SHEET 1 OF 1
 TEMP 58° F TIME WL. 9/22/86 DRILLING COMPANY EMPIRE SOILS INVESTIGATIONS, INC. SURFACE ELEV. 319.6 F-
 WEATHER SUNNY DRILL RIG CUE 55 DRILLER M. GAUDY DATUM MSL
 COORDINATES N9027.80 E9361.75 WT. SAMPLER HAMMER 140 LBS. DROP 30 IN. STARTED 11/07/86
 LOCATION 4.5 FT. EAST OF TW-35 WT. CASING HAMMER 300 LBS. DROP 30 IN. COMPLETED 3/20/86

ELEV. DEPTH (FT.)	DESCRIPTION	UNIFIED CLASS	BLOWS/FOOT	SAMPLES				REMARKS
				NUMBER	TYPE	HAMMER BLOWS PER 6 IN.	REC./ ATT	
295.5 24.0	FOR COMPLETE SOILS DESCRIPTION AT THIS LOCATION ALSO SEE BORING LOG TW-35							INSTALLED 10 INCH PVC SURFACE CASING TO FT. AUGERED TO 24.0 FT. NO SAMPLING
291.5 28.0	SOFT TO FIRM, GRAY, CLAY, SOME F TO C SAND.	CH	15 32	2 3 4	DO	2-7-8 13-18-14-18	18/18 24/24	GLACIOLACUSTRINE CLAY OCCASIONAL RED BROWN SILT LENSES THROUGHOUT
282.5 37.0	COMPACT TO DENSE, BROWN, F SAND, TRACE TO AND SILT, LITTLE TO AND M-C SAND, TO DENSE TO VERY DENSE, RED BROWN, SILT, AND F-C SAND, LITTLE GRAVEL.	ML	97 51 37 111	5 - 6 7 8	DO	27-48-49-50 27-26-25-26 36-19-18-18 17-35-76-82	6/24 0/24 10/24 18/24	GLACIOLACUSTRINE SILT. SAND 28.0-30.0 FT., LAMINATE GRAY CLAY MIXED WITH SILT AND SAND 34.8-37.0 FT., LITTLE GRAVEL AS GRAY SHALEY LIMESTONE
280.9 38.6	VERY DENSE, RED BROWN, SILT AND F TO C SAND, LITTLE CLAY, GREEN GRAY SHALE	ML	-	9	DO	PUSHED CORE SAMPLER	-	BASAL RED T.I.L.
	END OF SAMPLING AUGERED TO 39.2 FT.							END OF SAMPLING
								INSTALLED TW-3D SEE ACCOMPANYING MONITORING WELL INSTALLATION LOG.

JOB NO. 853-3051

Golder Associates

CHECKED DJM

SCALE 1 INCH = 5 FEET

DATE DRAWN 11/25/86

**Golder
Associates**

SUBJECT CWM/WELLS/MODEL CITY TMW-3D		
Job No. 853-3051	Made by LEL	Date 6-18-86
Ref.	Checked DJM	Sheet 2 of 2
	Reviewed JFC	

STEEL CASING; GROUT 2.0 FT. B.G.S.; MIXED CEMENT GROUT.
FILLED TO TOP OF 10" PVC CASING (0.7 FT. ABOVE GROUND SURFACE);
PUT ON 8"Ø ALUMINUM PROTECTIVE CASING; FILLED INTERIOR OF
CASING WITH #4-Q SAND; WEEP HOLES WERE PUT IN PROTECTIVE
CASING FOR DRAINAGE; PROTECTIVE POSTS WERE PUT AROUND WELL
A CONCRETE PAD WAS LATER PLACED AROUND WELL BY THE SITE AND
NEW WEEP HOLES WERE PUT IN CASING; A WELL WIZARD WAS INSTALLED
SUBSEQUENT TO DEVELOPMENT.

Boring Log

NYSDEC OHMS Document No. 201469232-00043

JOB NO. 853-3031 GA. INSP. LEL PROJECT CWM / WELLS / MODEL C.T.V BORING NO. MWZ-25
 DEPTH HOLE 28.0 FT DEPTH WL. 4.19 FT DRILLING METHOD HOLLOW STEM AUGER 4-1/4" ID SHEET 1 OF 1
 TEMP 53°/73° F TIME WL. 9/22/86 DRILLING COMPANY EMPIRE SOIL INVESTIGATIONS INC SURFACE ELEV. 333.7 FT
 WEATHER RAIN / PARTLY CLOUDY DRILL RIG CME 45 DRILLER KENNY / BOYD DATUM USL
 COORDINATES N 85.593 E 9170.75 WT. SAMPLER HAMMER 140 LBS DROP 30 IN STARTED 9 30 1986
 LOCATION 12.5 FT WEST OF MWZ-24 WT. CASING HAMMER 300 LBS DROP 30 IN COMPLETED 3 05 1986

ELEV. DEPTH (FT)	DESCRIPTION	UNIFIED CLASS	BLOWS/FOOT	SAMPLES				REMARKS
				NUMBER	TYPE	HAMMER BLOWS PER 8 IN.	REC./ ATT	
333.7	GROUND SURFACE							GROUND SURFACE
0.0	VERY STIFF, BROWN MOTTLED, CLAYEY SILT, SOME F TO C SAND, DRY.	CL	42	1	DO	4-4-28-28	24/24	FIL 0.0-6.0 FT, LITTLE F GRAVEL (RED SHALEY FRAGMENTS) 6.0-6.2 FT, FIRM BROWN F SAND 7.1-7.3 FT, 3 IN. - ME - STONE LAYER 8.0-10.0 FT, ROOTS AND TWIGS PRESENT
			50	2	DO	28-28-28-28	20/24	
			26	5	DO	10-12-14-16	24/24	
			108	6	DO	18-76-32-42	24/24	
			14	9	DO	3-6-8-10	24/24	
323.7	FIRM TO VERY STIFF, BROWN, CLAYEY SILT, SOME F SAND, LITTLE M TO C SAND, MOIST.	CL	8	10	DO	3-3-5-5	18/24	UPPER CLAY TILL AT 14.2 FT, DARK GRAY SAND AND SILT LENSE 15.0-16.0 FT, ORGANIC SOIL
10.0			18	11	DO	8-8-10-12	24/24	9.5-20.6 FT, COMPACT TAN SILT SOME F SAND TRACE CLAY
			18	12	DO	5-8-10-15	24/24	22.0-24.0 FT, GRAY WEATHERING ALONG VERTICAL FRACTURE 3 INCH TAN SILT L
			34	14	DO	10-12-22-20	24/24	
			28	15	DO	8-10-18-32	24/24	
			25	17	DO	0-10-15-23	22/24	
			66	19	DO	16-35-31-33	22/24	
			14	20	DO	4-6-8-8	19/24	
207.7	SOFT GRAY, CLAY, SOME F SAND, TRACE SILT, PLASTIC, MOIST.	CL	16	22	DO	10-8-8-8	12/24	GLACIOCLASTIC CLAY
26.0								
303.7	END OF SAMPLING AUGERED TO 27.0 FT.							END OF SAMPLING
28.0								INSTALLED MWZ-25 SEE ACCOMPANYING MONITORING WELL INSTALLATION LOG.

JOB NO. 853-3031
 SCALE 1 INCH = 5 FEET

Golder Associates

CHECKED D-M
 DATE DRAWN 12/13/86

MONITORING WELL INSTALLATION LOG

NYSDEC OHMS Document No. 201469232-00043

JOB NO. <u>904-1002</u>	PROJECT <u>CWM/REM.DES.SUP/MODEL CITY</u>	WELL NO. <u>WDA010</u>	SHEET <u>1 of 1</u>
GA INSP. <u>DJM</u>	INSTALLATION METHOD <u>HOLLOW STEM AUGER</u>	GROUND ELEV. <u>316.20 FT.</u>	WATER DEPTH <u>8.45' F</u>
WEATHER <u>N/A</u>	CONTRACTOR <u>EMPIRE SOILS INVESTIGATIONS, INC.</u>	COLLAR ELEV. <u>318.58 FT.</u>	DATE/TIME <u>9/12/91/</u>
TEMP. <u>85° F</u>	FOREMAN <u>CME-55</u>	DRIER <u>DAN BEITZ</u>	STARTED <u>10:00 8/30/91</u>
			COMPLETED <u>16:00 9</u>
LOCATION / COORDINATES <u>N9511.68, E8746.39</u>		TIME / DATE	

MATERIALS INVENTORY

WELL CASING <u>2</u> in. dia. <u>31.8</u>	I.F. WELL SCREEN <u>2</u> in. dia. <u>10.7</u>	I.F. BENTONITE SEAL <u>PELLETS 6.8' THICK</u>
CASING TYPE <u>304 STAINLESS STEEL</u>	SCREEN TYPE <u>304 STAINLESS STEEL</u>	INSTALLATION METHOD <u>TREMIE THROUGH CASI</u>
JOINT TYPE <u>FLUSH THREADED, TEFLON TAPE, and VITON O-RING</u>	SLOT SIZE <u>0.008 Inch</u>	FILTER PACK QTY. <u>200 lbs</u>
GROUT QUANTITY <u>N/A</u>	CENTRALIZERS <u>NONE</u>	FILTER PACK TYPE <u>#1-Q SAND</u>
GROUT TYPE <u>BENTONITE SLURRY</u>	DRILLING MUD TYPE <u>NONE</u>	INSTALLATION METHOD <u>TREMIE THROUGH</u>
		TEMPORARY CASI

ELEV./DEPTH	TRENCH BACKFILL DESCRIPTION	WELL SKETCH	INSTALLATION NOTES
316.2	GROUND SURFACE	The well sketch diagram shows a vertical cross-section of the well. Key features include: 8" ALUMINUM CASING W/ LOCK at the top. #1 & 4-Q SAND fill around the casing. - CEMENT GROUT at the base of the casing. - BENTONITE CLAY GROUT around the screen. - NOM. 12" BOREHOLE diameter. 2" TYPE 304 S.S. RISER PIPE. 10" STEEL SURFACE CASING. #4-Q SAND fill around the screen. 1/4" BENTONITE PELLET SEAL at the screen. - NOM. 8" BOREHOLE diameter at the screen. #1-Q SAND fill around the screen. 2" TYPE 304 S.S. SCREEN at the bottom. #4-Q SAND fill around the screen. Elevations marked on the left side of the sketch: 2.84, 2.38, 1.98, 3.5, 20.1, 20.6, 22.0, 24.1, 27.4, 29.4, 40.1, 40.6.	AUGERED TO 22.0 FT BELOW GR SURFACE (BGS) WITH 12" O.D. F WITHDREW AUGERS. MIXED BENTONITE CLAY GROUT. ADDED BENTONITE GROUT TO BOREHOLE. PUSHED 10" STEEL SURFACE CASING TO 316.2 FT. BGS. BENTONITE GROUT WAS FROM INSIDE OF 10" CASING. AUGERED THROUGH 10" CASING 22.0 FT. TO 40.6 FT. WITH 4 1/2" I.D. HSA. WITHDREW AUGERS AND PUSHED A 6" TEMP. STEEL CAS TO 40.6 FT. BGS. FLUSHED BOR USING A TRI-CONE ROLLER BIT UNTIL DISCHARGE CLEARED. 6" CASING PULLED UP SIX INCH. ADDED #4-Q SAND TO 40.1 FT. ADDED WELL PIPE (1-10" SCREE 31.8' OF RISER); 2.38 FT. STICK ADDED #1-Q SAND TO 27.4 FT. IN 0.5-1.5 FT. INCREMENTS WHILE PULLING UP 6" CASING BY THE AMOUNT AHEAD OF THE SAND. ADDED PELLETS TO 20.6 FT. BG WHILE PULLING 6" CASING IN 1.0 INCREMENTS. ADDED #4-Q SAND 20.1 FT. BGS. MIXED BENTONITE GROUT. BENTONITE CLAY GROUT PUMPED INTO REMAINING 6" CASING. 6" CASING REMOVED FROM HOLE. BENTONITE CLAY GROUT PUMPED TO 3.5 FT. BGS AND ALLOWED TO HYDRATE. MIXED CLAY GROUT. POURED IN HOLE TO GR SURFACE. PUT 8" ALUMINUM PROTECTIVE CASING. FILLED INTERIOR OF PROTECTIVE CASING WITH #4-Q SAND. THREE DRAIN HOLES WERE PUT IN CASING FOR DRAINAGE. WELL DEVELOPMENT NO.
0.0	FILL Loose, red brown to dark brown, Clayey Silt and fine Sand, trace medium to coarse sand. (SM-ML)		DATE DEVELOPED: 9/4/91 TO 9/12/91
312.2	UPPER CLAY TILL Soft to firm, red brown, Silty Clay, some med. sand, little fine sand, trace coarse sand; trace gray clay infilling of fractures, trace root material. (CL)		DEVELOPMENT METHOD: STAINLESS STEEL BAILER
4.0	UPPER SILT TILL Loose to compact, red brown, Clayey Silt and fine Sand, some med. sand, trace coarse sand; fine sand is moist and dilatant; soft, brown clay seam at 13.7 ft. to 13.9 ft. (SM-ML)		VOLUME PURGED: 43.9 GAL
306.2	GLACIOLACUSTRINE CLAY Soft, red brown, Silty Clay, some coarse sand, trace med. and fine sand; grading to soft, gray brown, Clay, trace med. and fine sand, varved from 26.0 ft. to 27.3 ft.; several thin, fine to med. sand seams at 25.0 ft. to 26.0 ft. (CL)		FOR FURTHER DETAILS SEE ACCOMPANYING WELL DEVELOPMENT FIELD RECORDS.
10.0	GLACIOLACUSTRINE SILT/SAND Loose to compact, tan brown Silt, trace med. sand moist to wet; grading to dense to very dense, red brown, Silt and fine Sand, little coarse sand, trace med. sand, wet and dilatant; very soft, gray and red mottled clay seams at 28.4 ft. to 28.6 ft. and 30.6 ft. to 30.9 ft. (SM)		
296.2	BASAL RED TILL Very dense, brownish red, Silt to fine Sand, little coarse sand, trace fine gravel and gray shale fragments, moist. (SP-SM)		
20.0	End of boring		
288.9			
27.3			
280.2			
36.0			
275.6			
40.6			

APPENDIX B-2
WELL DEVELOPMENT

WELL BW-1S

CWM/ WELLS/ MODEL CITY

853-3051

NYSDEC O&MS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	1	8	50	5.0	-	-	-	-
86	5	2	8	30	5.2	-	-	-	-
86	5	2	16	44	4.5	-	-	-	-
86	5	5	11	6	4.4	-	-	-	-
86	5	7	9	35	4.7	-	-	-	-
86	5	13	14	0	-	1.0	clear	-	-
86	5	13	16	0	-	0.8	sl cloudy	-	-
86	5	14	11	45	-	0.8	clear	7.95	1680
86	5	19	11	28	5.8	0.7	sl cloudy	-	-
86	5	20	14	7	4.0	1.0	sl cloudy	-	-
86	5	21	13	24	3.5	1.0	sl cloudy	6.10	1300
86	5	22	10	15	3.7	1.3	sl cloudy	7.20	1200
86	5	27	15	52	4.0	-	-	6.50	1100
86	5	28	15	40	4.1	1.0	clear	6.90	1100
86	5	29	10	5	5.0	1.0	clear	-	-
86	5	30	10	11	4.7	1.0	clear	6.50	1300
86	6	2	11	15	4.7	1.0	clear	-	1500
86	6	3	9	33	4.7	1.0	clear	-	1300
86	6	4	14	41	4.8	1.0	clear	-	1500
86	6	6	15	35	4.8	-	-	-	-
86	6	9	10	28	4.9	1.0	clear	7.60	1700
86	6	11	15	30	5.1	-	-	-	-
86	6	12	10	33	5.2	1.0	clear	7.40	1700
						TOTAL	14.6		

CWM/ WELLS/ MODEL CITY 853-3051

WELL BW-1D

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	4	30	15	55	3.7	-	-	-	-
86	5	1	8	45	5.5	-	-	-	-
86	5	2	8	27	6.2	-	-	-	-
86	5	2	16	43	5.9	-	-	-	-
86	5	5	11	4	6.0	-	-	-	-
86	5	7	9	34	5.9	-	-	-	-
86	5	13	13	45	-	4.0	sl cloudy	-	-
86	5	13	16	5	-	0.5	cloudy	-	-
86	5	14	11	35	-	3.8	cloudy	7.66	623
86	5	19	11	29	6.1	4.5	sl cloudy	-	-
86	5	20	13	50	7.0	4.5	sl cloudy	-	-
86	5	21	13	32	8.4	4.0	clear	6.00	2000
86	5	22	10	15	8.7	4.0	sl cloudy	7.00	2000
86	5	27	16	0	7.0	4.0	clear	6.40	1900
86	5	28	15	30	7.8	3.8	clear	6.70	1900
86	5	29	10	10	8.7	4.0	sl cloudy	-	-
86	5	30	10	30	7.5	4.0	sl cloudy	6.40	1800
86	6	2	11	24	6.0	4.5	clear	-	2000

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WELL BW-1D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	3	9	42	6.5	4.0	sl cloudy	-	-
86	6	4	14	44	6.8	4.0	clear	-	2300
86	6	6	15	35	6.1	-	-	-	-
86	6	9	10	38	6.0	4.5	clear	7.20	2700
86	6	11	15	35	6.1	-	-	-	-
86	6	12	10	22	6.1	4.5	clear	7.10	2700
TOTAL						62.6			

WELL BW-2S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	7	9	45	14.1	-	-	-	-
86	5	13	15	20	-	1.0	clear	-	-
86	5	14	13	40	-	1.0	clear	7.69	1334
86	5	19	14	35	4.5	1.0	clear	-	-
86	5	21	14	26	4.0	1.3	clear	6.10	1100
86	5	22	11	0	5.0	1.0	clear	7.20	1050
86	5	27	13	15	4.1	1.0	clear	6.60	1000
86	5	28	10	0	5.0	1.3	clear	5.90	1100
86	5	29	11	15	5.0	1.5	clear	-	-
86	5	30	10	55	5.2	-	-	6.40	970
86	6	2	13	4	4.2	1.0	clear	-	1100
86	6	3	13	52	4.6	1.3	clear	-	980
86	6	4	15	9	5.2	1.0	clear	-	1200
86	6	9	10	54	4.2	1.3	clear	7.30	1300
86	6	11	11	20	4.2	1.5	clear	7.30	1300
TOTAL						15.2			

WELL BW-2D

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	4	30	15	45	5.8	-	-	-	-
86	5	1	8	40	6.4	-	-	-	-
86	5	2	8	18	6.9	-	-	-	-
86	5	5	10	55	6.7	-	-	-	-
86	5	7	9	48	6.4	-	-	-	-
86	5	13	15	25	-	4.0	clear	-	-
86	5	14	13	50	-	3.3	cloudy	7.89	419
86	5	19	14	34	6.3	4.3	sl cloudy	-	-
86	5	21	14	19	6.1	4.0	sl cloudy	6.10	1100
86	5	22	10	52	6.3	4.0	cloudy	7.30	1500
86	5	27	13	30	6.2	4.3	cloudy	6.80	1500
86	5	28	9	45	6.1	4.5	sl cloudy	6.00	1800
86	5	29	11	17	6.1	4.5	sl cloudy	-	-
86	5	30	11	3	6.1	4.0	sl cloudy	6.20	1500
86	6	2	13	15	6.1	3.3	clear	-	1600
86	6	3	13	59	6.2	4.5	sl cloudy	-	1600
86	6	4	15	4	6.3	-	-	-	1800
86	6	9	11	0	5.9	4.5	clear	7.30	2100
86	6	11	11	10	6.2	4.5	clear	7.40	2100
TOTAL						53.7			

WELL BW-3S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	7	9	57	6.7	-	-	-	-
86	5	13	14	50	-	1.3	cloudy	-	-
86	5	14	13	25	-	0.5	clear	7.81	2830
86	5	19	14	48	5.1	-	-	-	-
86	5	21	14	40	4.9	0.5	clear	6.50	2200
86	5	21	15	4	4.9	0.5	sl cloudy	7.10	2100
86	5	27	16	30	5.1	0.5	clear	6.50	2200
86	5	28	10	25	4.1	0.5	clear	6.20	2200
86	5	29	11	30	5.2	0.5	clear	-	-
86	5	30	11	15	5.0	0.5	clear	6.60	2000
86	6	2	13	44	5.3	0.5	clear	-	2100
86	6	3	13	25	5.2	0.5	clear	-	2200
86	6	4	15	21	5.4	0.5	clear	-	2500
86	6	9	11	11	5.5	0.5	clear	7.20	2400
86	6	10	13	57	5.3	1.0	clear	7.20	2700
						TOTAL	7.8		

WELL BW-3D

CWM/ WELLS/ MODEL CITY

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YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	7	9	57	4.6	-	-	-	-
86	5	13	15	10	-	4.3	cloudy	-	-
86	5	14	13	15	-	4.5	cloudy	7.31	540
86	5	19	14	48	4.7	-	-	-	-
86	5	22	15	9	4.6	-	-	-	-
86	5	27	16	30	4.6	-	-	-	-
86	5	28	10	10	4.4	5.0	sl cloudy	6.00	840
86	5	29	11	40	4.2	4.5	clear	-	-
86	5	30	11	21	4.5	5.0	sl cloudy	6.50	2000
86	6	2	13	24	4.4	5.0	sl cloudy	-	2300
86	6	3	13	34	4.4	5.0	sl cloudy	-	2500
86	6	4	15	27	4.3	5.0	sl cloudy	-	2900
86	6	9	11	16	4.5	5.5	clear	7.60	3300
86	6	10	14	19	4.5	5.5	clear	7.60	3200
						TOTAL	49.3		

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CNM/ WELLS/ MODEL CITY

WELL BW-4S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (US/cm)
87	11	20	15	30	14.2	0	-	-	-
87	11	21	-	-	13.6	0	-	-	-
88	1	7	-	-	5.8	2	-	-	-
88	1	9	11	5	5.7	1.5	-	-	-
88	1	27	9	35	6.0	1.5	CLEAR	-	-
88	1	29	13	21	5.8	1.5	CLEAR	-	4300
88	2	2	11	40	5.1	2.3	-	-	2200

TOTAL 9.8

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CWM/ WELLS/ MODEL CITY

WELL BW-40

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
87	11	20	15	50	7.2	4.0	CLOUDY	7.8	270
87	11	21	-	-	7.2	4.0	-	-	-
87	11	24	16	30	7.2	-	SL CLOUDY	7.3	600-1000
88	1	7	-	-	6.3	5.0	-	-	-
88	1	9	11	10	6.3	0.0	-	-	-
88	1	27	9	10	6.1	5.0	CLEAR	-	-
88	1	29	13	20	6.1	5.0	CLEAR	-	-
88	2	2	-	-	9.0	5.5	-	-	1850

TOTAL 28.5

CWM/ WELLS/ MODEL CITY

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WELL BW-55

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
87	11	21	-	-	2.8	3.0	CLOUDY	7.2	3800
88	1	16	10	25	5.3	2.0	SL CLOUDY	-	-
88	1	27	10	40	2.8	2.0	SL CLOUDY	-	-
88	1	29	12	50	2.7	2.0	CLEAR	7.4	4900
88	2	2	11	00	2.5	2.0	-	6.5	3600

TOTAL 11.0

CWM/ WELLS/ MODEL CITY

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WELL BW-50

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
87	11	21	9	40	5.5	5.5	CLOUDY	-	400
88	1	16	10	24	4.7	6.0	V CLOUDY	-	-
88	1	27	10	27	-	5.0	SL CLOUDY	-	-
88	1	29	12	51	4.7	6.0	V CLOUDY	7.0	3100
88	2	2	-	-	4.3	-	-	-	-
TOTAL						> 22.5			

WELL MW1-1S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	14	14	55	6.3	-	-	-	-
86	5	19	15	17	4.9	-	-	-	-
86	5	22	-	-	5.7	-	-	-	-
86	5	27	15	0	4.7	-	-	6.60	1100
86	6	2	16	17	4.7	-	-	-	-
86	6	9	15	2	4.8	1.0	cloudy	7.40	1800
86	6	11	16	5	4.7	-	-	-	-
86	7	7	16	5	6.0	2.0	cloudy	7.45	1750
86	7	8	15	23	6.0	0.8	cloudy	7.30	1800
86	7	9	11	40	5.8	0.8	cloudy	7.25	1700
86	7	10	11	20	6.0	0.8	cloudy	7.30	1750
86	7	11	10	5	6.0	0.8	cloudy	-	-
86	7	14	11	10	6.0	0.5	cloudy	7.05	1600
86	7	15	14	50	6.0	0.5	cloudy	7.30	1500
86	7	16	10	35	6.1	0.5	cloudy	7.25	1600
86	7	23	10	31	6.0	0.5	cloudy	7.80	1500
86	7	24	13	29	5.9	0.8	sl cloudy	7.90	1600
86	7	25	13	10	5.8	0.7	sl cloudy	8.00	1500
86	7	28	13	52	5.7	0.5	sl cloudy	8.00	1600
86	7	29	14	46	5.6	0.5	sl cloudy	8.10	1600
86	7	30	9	15	5.9	0.5	sl cloudy	8.00	1600

TOTAL 11.2

WELL MW1-1D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	9	-	-	7.5	-	-	-	-
86	6	11	16	5	7.1	-	-	-	-
86	7	7	16	7	7.6	5.0	sl cloudy	8.25	280
86	7	8	15	20	7.5	5.0	sl cloudy	7.75	1200
86	7	9	11	42	7.5	4.0	sl cloudy	7.70	1600
86	7	10	11	22	7.6	4.8	sl cloudy	7.70	1600
86	7	11	10	7	7.8	5.0	sl cloudy	-	-
86	7	14	11	12	7.6	4.0	clear	7.60	1550
86	7	15	14	52	7.8	4.0	clear	7.75	1600
86	7	16	10	37	7.8	5.0	clear	7.60	1900
86	7	23	10	37	7.9	10.0	clear	8.10	1700
86	7	23	16	25	8.0	20.0	clear	7.70	1800
						TOTAL	66.8		

WELL MW1-2S CWM/ WELLS/ MODEL CITY 853-3051

NYSDEC OHMS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL.)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	19	15	19	3.3	-	-	-	-
86	5	22	-	-	3.1	-	-	-	-
86	5	27	15	10	3.0	1.8	cloudy	6.40	1900
86	5	28	16	30	3.5	2.0	cloudy	6.70	1700
86	5	29	9	13	3.6	2.0	cloudy	7.30	1900
86	5	29	15	6	3.8	2.0	-	-	-
86	5	30	9	47	3.4	2.0	cloudy	6.10	1800
86	6	2	16	13	3.2	-	-	-	-
86	6	9	15	23	3.3	2.0	cloudy	7.30	2300
86	6	11	16	8	3.1	-	-	-	-
86	6	17	15	30	3.2	2.0	cloudy	7.40	2300
86	6	18	11	30	3.2	1.8	cloudy	7.09	2050
86	7	8	16	17	3.0	2.0	cloudy	7.10	2200
86	7	9	13	32	3.0	2.5	cloudy	7.00	2200
86	7	10	11	35	3.1	2.5	cloudy	7.10	2300
86	7	11	10	25	3.1	2.0	cloudy	-	-
86	7	16	11	5	3.2	2.0	cloudy	7.15	2100
86	7	23	10	49	3.5	2.0	cloudy	7.50	2000
86	7	24	13	41	3.6	2.0	cloudy	7.70	2000
86	7	25	13	20	3.3	2.0	v cloudy	7.90	2000
86	7	28	14	27	3.3	2.3	v cloudy	7.70	2000
86	7	28	16	15	5.6	1.8	v cloudy	8.00	1800
86	7	29	14	54	3.3	2.7	v cloudy	8.20	1900

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WELL MW1-2S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	30	9	49	3.4	2.3	v cloudy	7.80	2000
86	7	31	9	52	3.4	2.5	v cloudy	7.80	2000
86	8	12	16	30	3.4	2.5	v cloudy	7.70	1950
86	8	13	15	45	3.4	2.5	cloudy	7.65	2000
86	8	14	10	30	3.5	2.5	cloudy	7.90	2000
86	8	16	13	10	3.3	2.7	v cloudy	7.90	1900
86	8	19	9	50	3.4	3.0	cloudy	7.80	2050
86	8	25	14	25	3.2	3.0	cloudy	7.85	2100
86	8	26	9	23	3.4	3.0	v cloudy	7.50	2100
86	8	27	11	46	-	3.0	v cloudy	7.80	2100
86	8	28	9	59	-	2.8	cloudy	7.70	2100
86	8	29	11	40	3.7	2.8	cloudy	8.30	2000
86	8	30	12	22	3.7	2.8	cloudy	7.60	2000
86	8	31	11	7	3.8	2.5	cloudy	-	-
86	9	1	12	21	3.9	2.8	cloudy	7.60	2100
86	9	4	11	26	3.5	2.5	cloudy	-	2100
TOTAL						82.6			

WELL MW2-1S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	14	14	50	8.1	-	-	-	-
86	5	19	15	15	7.9	-	-	-	-
86	5	22	-	-	7.4	-	-	-	-
86	5	27	14	40	7.3	1.8	cloudy	6.60	2100
86	5	28	15	0	7.3	2.3	cloudy	6.60	2300
86	5	29	9	32	7.4	2.5	cloudy	-	-
86	5	29	15	12	7.6	2.3	cloudy	-	-
86	5	30	8	54	7.6	2.3	cloudy	6.30	2300
86	6	2	16	21	7.5	-	-	-	-
86	6	3	16	30	7.0	-	-	-	-
86	6	19	14	30	7.5	1.5	cloudy	7.10	2600
86	7	7	14	50	9.0	1.0	cloudy	7.30	2400
86	7	8	14	52	8.9	1.0	cloudy	7.25	2500
86	7	9	11	20	8.9	0.8	cloudy	7.25	2250
86	7	10	11	3	9.0	1.0	cloudy	7.20	2450
86	7	11	9	52	9.0	0.8	cloudy	-	-
86	7	14	11	10	8.6	1.0	cloudy	7.00	2050
86	7	15	14	10	8.7	1.0	cloudy	7.40	2150
86	7	16	10	15	8.8	1.0	cloudy	7.40	2250
86	7	23	10	2	6.6	1.5	cloudy	7.60	2200
86	7	24	13	20	8.8	1.3	sl cloudy	7.70	2200
86	7	25	12	58	8.8	1.3	cloudy	7.70	2000
86	7	28	13	42	8.7	1.5	cloudy	7.70	2100
86	7	29	14	33	8.8	1.5	cloudy	7.80	2200
86	7	30	10	9	8.9	1.0	sl cloudy	8.00	2200

TOTAL 28.4

WELL MW2-1D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	7	14	53	8.0	-	-	-	-
86	7	7	15	45	-	6.0	cloudy	8.35	250
86	7	8	14	55	8.0	4.0	cloudy	8.15	765
86	7	9	11	22	8.0	4.5	sl cloudy	7.75	995
86	7	10	11	5	8.0	5.0	sl cloudy	7.75	1350
86	7	11	9	54	8.0	5.0	sl cloudy	-	-
86	7	14	11	12	8.0	5.0	sl cloudy	7.70	1400
86	7	15	14	12	8.0	5.0	sl cloudy	7.10	1400
86	7	16	10	17	8.1	5.0	sl cloudy	7.55	1500
86	7	23	10	8	8.3	10.0	v cloudy	8.00	1400
86	7	23	15	28	8.3	20.0	clear	7.90	1500
TOTAL						69.5			

WELL MW2-2S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	11	16	37	18.7	-	-	-	-
86	6	9	14	35	18.3	-	-	-	-
86	7	9	15	45	17.2	-	-	-	-
86	7	10	14	27	17.5	-	-	-	-
86	7	14	14	5	17.2	-	-	-	-
86	7	16	16	15	17.2	-	-	-	-
86	8	12	15	45	16.4	7.8	v cloudy	7.1	3000
86	8	13	11	15	20.0	3.5	sl cloudy	7.0	3400
86	8	16	12	8	19.9	2.0	cloudy	6.9	3700
86	8	18	10	50	20.2	5.0	cloudy	6.0	3800
86	8	19	9	35	22.1	1.3	sl cloudy	7.2	3850
86	8	25	14	10	20.1	2.0	sl cloudy	7.0	3700
86	8	26	9	3	20.1	1.8	cloudy	7.1	3800
86	8	27	10	47	20.1	2.0	cloudy	7.0	3300
86	8	28	9	5	21.8	2.0	cloudy	6.6	3300
86	8	29	11	21	22.0	1.7	cloudy	7.4	3400
86	8	30	12	17	22.3	2.0	cloudy	7.3	3300
						TOTAL	31.1		

WELL MW2-2UD CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	9	14	30	19.9	-	-	-	-
86	6	11	16	33	19.4	-	-	-	-
86	7	9	15	40	20.0	2.3	clear	8.20	290
86	7	10	14	23	20.0	2.3	sl cloudy	7.70	500
86	7	11	14	37	20.0	2.5	clear	-	-
86	7	14	14	0	20.0	2.5	clear	7.15	830
86	7	16	15	57	20.1	2.5	clear	7.50	820
86	7	24	11	9	20.1	2.5	clear	8.30	890
86	7	25	11	38	20.3	2.5	clear	8.00	870
TOTAL						17.1			

WELL MW2-2LD CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL.)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	11	16	35	20.0	-	-	-	-
86	7	9	15	42	20.3	2.8	sl cloudy	7.25	315
86	7	10	14	25	20.5	3.3	sl cloudy	7.30	350
86	7	11	14	39	20.5	3.0	sl cloudy	-	-
86	7	14	14	2	20.4	3.0	clear	7.40	1200
86	7	16	16	7	20.7	4.0	clear	7.50	1200
86	7	24	11	27	20.8	4.0	clear	8.00	1400
86	7	25	11	28	20.5	4.0	sl cloudy	8.00	1400
TOTAL						24.1			

WELL MW3-1S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	9	16	20	3.9	0.5	clear	7.05	3000
86	7	10	14	50	14.1	0.3	clear	6.70	3000
86	7	11	14	25	13.4	0.5	clear	-	-
86	7	14	13	45	13.9	0.5	clear	6.35	2750
86	7	16	15	41	10.4	0.8	clear	6.90	2500
86	7	22	16	40	13.8	0.7	clear	7.10	2500
86	7	24	9	21	13.9	0.5	clear	7.20	2600
86	7	30	13	38	13.9	-	-	7.40	2700
						TOTAL	3.8		

WELL MW3-1D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	9	16	22	21.6	2.3	clear	8.10	305
86	7	10	14	52	21.8	2.0	clear	7.75	310
86	7	11	14	27	21.7	2.5	sl cloudy	-	-
86	7	14	13	47	21.7	2.3	clear	7.50	485
86	7	16	15	41	21.7	2.5	clear	7.60	490
86	7	22	16	54	21.9	15.0	cloudy	7.80	530
86	7	22	17	32	-	-	-	7.90	780
86	7	24	9	32	22.0	20.0	sl cloudy	7.80	860
						TOTAL	46.6		

OCTOBER 1989

893-3805

WELL DEVELOPMENT FIELD RECORD

WELL MW3-3S

STANDING WATER COLUMN (FT) = 13.88
STANDING WELL WATER VOLUME (GAL) = 2.3

YR	MO	DA	HR-MIN	WATER LEVEL (FT TOC)	VOLUME PURGED (GAL)	pH	SPECIFIC CONDUCTANCE (umhos/cm)	TEMP. (Celsius)
1989	8	25	1620	6.50	5.0	7.11	1500	15
1989	8	28	1120	6.70	5.0	7.18	1550	15
1989	8	29	1620	-	5.0	7.10	1550	15
1989	9	1	900	-	6.0	-	-	-
1989	9	7	1800	5.27	5.0	7.00	1500	15
1989	9	8	820	7.75	5.0	7.07	1500	15
1989	9	12	845	7.63	4.0	6.86	1500	15
1989	9	13	910	7.90	4.0	7.08	1520	15

TOTAL 39.0



WELL MW3-2S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	19	15	25	2.4	-	-	-	-
86	5	22	-	-	2.3	-	-	-	-
86	5	27	15	20	2.3	3.3	cloudy	6.70	690
86	5	28	16	25	2.5	2.3	cloudy	6.90	590
86	5	29	9	2	2.6	2.3	cloudy	6.00	630
86	5	29	14	56	2.6	2.3	cloudy	-	-
86	5	30	9	40	2.4	2.3	cloudy	6.40	590
86	6	2	16	10	2.4	-	-	-	-
86	6	9	15	42	2.3	2.0	cloudy	7.40	800
86	6	11	16	10	2.2	-	-	-	-
86	6	17	15	45	2.2	2.0	sl cloudy	7.65	810
86	6	18	11	45	2.2	1.8	clear	7.45	1100
86	7	8	16	30	1.7	2.0	sl cloudy	7.20	800
86	7	9	13	58	1.6	2.0	sl cloudy	7.25	800
86	7	10	13	10	1.7	2.0	sl cloudy	7.10	805
86	7	11	10	45	1.8	1.8	sl cloudy	-	-
86	7	23	12	57	2.0	2.3	sl cloudy	7.60	650
86	7	24	13	50	2.0	4.0	sl cloudy	7.90	680
86	7	25	9	31	1.9	3.0	sl cloudy	8.00	700
86	7	28	10	21	1.8	2.5	clear	8.00	700
86	7	29	10	19	1.8	3.0	sl cloudy	8.10	730
86	7	30	8	31	1.9	2.8	sl cloudy	7.20	730
						TOTAL	43.7		

WELL MW4-1S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	10	15	7	16.0	-	-	-	-
86	7	11	14	5	16.1	-	-	-	-
86	7	14	13	30	15.9	-	-	-	-
86	7	16	15	26	15.9	-	-	-	-
86	7	22	15	4	15.8	-	-	-	-
86	8	12	15	8	15.8	4.8	clear	7.20	1400
86	8	12	10	55	19.2	3.5	clear	7.20	1600
86	8	16	12	10	18.6	4.3	clear	7.00	1700
TOTAL						12.6			

WELL MW4-1D

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	10	15	10.0	19.9	4.0	clear	7.10	260
86	7	11	14	7.0	19.6	2.5	cloudy	-	-
86	7	14	13	32.0	19.9	4.3	sl cloudy	7.05	760
86	7	16	15	26.0	20.0	5.0	sl cloudy	7.60	980
86	7	21	13	33.0	20.1	20.0	v cloudy	7.70	1000
86	7	21	15	13.0	-	30.0	sl cloudy	7.80	1300
86	7	21	16	18.0	-	40.0	cloudy	7.90	1300
86	7	22	14	32.0	20.0	15.0	v cloudy	7.70	1300
86	7	22	15	31.0	-	20.0	clear	7.60	1300
86	7	22	15	59.0	-	20.0	sl cloudy	7.80	1300
TOTAL						160.8			

WELL MW4-2S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	28	9	0	3.6	-	-	-	-
86	6	2	16	7	3.5	-	-	-	-
86	6	9	16	0	3.2	-	-	-	-
86	6	11	16	12	3.0	-	-	-	-
86	6	17	16	30	3.0	2.3	v cloudy	7.30	2200
86	6	18	11	49	3.2	-	-	-	-
86	6	30	15	43	3.9	1.8	v cloudy	7.50	2400
86	7	1	14	31	3.5	1.8	v cloudy	7.50	2400
86	7	2	15	3	3.6	1.3	cloudy	7.30	2400
86	7	3	14	32	3.8	2.0	cloudy	7.50	2300
86	7	8	16	37	3.9	1.3	cloudy	7.00	2450
86	7	9	13	50	3.8	1.3	cloudy	7.15	2400
86	7	10	13	20	4.0	1.3	cloudy	7.00	2400
86	7	11	10	53	4.0	1.3	cloudy	-	-
86	7	16	11	20	4.0	1.5	cloudy	7.00	2200
86	7	23	13	8	3.9	2.8	v cloudy	7.50	2000
86	7	24	14	11	3.9	4.0	v cloudy	7.60	2000
86	7	25	9	45	3.9	3.0	cloudy	7.80	2100
86	7	28	10	30	3.7	2.7	sl cloudy	7.80	2100
86	7	29	10	30	3.8	2.0	sl cloudy	7.90	2200
86	7	30	9	0	3.9	2.0	sl cloudy	7.50	2300

TOTAL 32.4

WELL MW5-1S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	9	14	15	6.2	-	-	-	-
86	6	11	16	25	6.5	-	-	-	-
86	7	10	16	13	8.3	1.0	cloudy	7.25	2100
86	7	11	15	5	8.4	1.0	cloudy	-	-
86	7	14	14	45	8.1	1.0	cloudy	7.20	2000
86	7	15	15	40	8.1	1.0	cloudy	7.10	2150
86	7	16	14	45	8.1	1.5	cloudy	7.10	2300
86	7	21	11	32	8.3	1.0	v cloudy	7.20	2100
86	7	22	14	12	8.4	1.3	v cloudy	7.10	2300
86	7	23	8	50	8.5	1.3	v cloudy	7.10	2300
86	7	24	16	22	8.3	1.3	v cloudy	7.40	2200
86	7	25	14	53	8.1	1.3	v cloudy	7.40	2200
86	7	28	11	0	7.8	1.3	v cloudy	7.40	2300
86	7	29	11	21	7.7	1.3	v cloudy	7.40	2400
86	7	31	11	19	8.2	1.5	v cloudy	7.40	2400
86	8	12	14	15	7.9	1.5	v cloudy/s	7.20	2150
86	8	13	9	25	8.0	2.0	v cloudy/s	7.20	2600
86	8	14	10	10	7.8	2.0	cloudy/s	7.25	2450
86	8	16	12	52	7.6	2.0	v cloudy/s	7.20	2100

CONTINUED ON NEXT PAGE

WELL MW5-1S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	18	10	23	7.5	1.8	cloudy	7.10	2400
86	8	19	11	0	7.7	2.5	cloudy/s	7.60	2400
86	8	25	13	40	7.4	2.3	v cloudy/s	7.10	2300
86	8	26	8	55	7.2	2.3	v cloudy/s	7.00	2300
86	8	27	10	31	7.2	2.0	cloudy/s	7.00	2300
86	8	28	8	50	7.5	2.0	cloudy/s	6.70	2300
86	8	29	11	11	7.5	2.0	cloudy/s	7.60	2300
86	8	30	11	54	7.6	2.0	cloudy/s	7.20	2300
86	8	31	10	38	7.5	2.0	cloudy/s	-	-
86	9	1	11	58	7.4	2.0	cloudy/s	7.30	2500
86	9	4	9	57	7.2	2.0	cloudy/s	-	2500
TOTAL						46.2			

WELL MW5-1D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	10	16	15	11.5	4.0	clear	8.30	310
86	7	11	15	7	11.6	5.0	cloudy	-	-
86	7	14	14	47	11.6	5.0	sl cloudy	7.90	920
86	7	15	15	43	11.7	5.0	sl cloudy	7.80	1050
86	7	16	14	47	11.7	5.0	sl cloudy	7.80	1400
86	7	21	11	45	11.9	4.8	sl cloudy	7.90	1100
86	7	22	14	23	11.8	4.8	sl cloudy	7.90	1200
86	7	23	9	6	11.9	4.8	clear	7.90	1300
86	7	24	16	25	11.9	4.5	clear	7.90	1200
TOTAL						42.9			

WELL MW5-2S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	22	-	-	4.9	-	-	-	-
86	5	27	16	45	4.7	1.5	cloudy	6.30	1500
86	5	28	16	15	4.8	1.5	cloudy	6.70	1300
86	5	29	8	50	4.9	1.0	cloudy	6.10	1200
86	5	29	14	42	4.9	1.0	cloudy	-	-
86	5	30	9	28	5.0	1.0	cloudy	6.30	1100
86	6	2	16	3	4.4	-	-	-	-
86	6	9	16	5	5.1	1.0	cloudy	7.30	1700
86	6	11	16	15	4.8	-	-	-	-
86	6	17	16	0	5.0	1.3	cloudy	7.45	1650
86	6	18	15	32	5.1	1.0	sl cloudy	7.45	1650
86	6	30	15	20	6.2	-	sl cloudy	7.50	1700
86	7	1	14	21	4.7	1.0	sl cloudy	7.50	1700
86	7	2	14	50	5.4	1.0	clear	7.40	1700
86	7	3	14	44	5.4	0.8	sl cloudy	7.40	1800
86	7	8	16	46	5.7	1.0	cloudy	7.05	1700
86	7	9	14	10	5.7	1.0	sl cloudy	7.00	1700
86	7	10	13	35	5.9	1.0	cloudy	7.20	1700
86	7	11	11	5	5.6	1.0	sl cloudy	-	-
86	7	14	11	50	5.9	1.0	sl cloudy	6.90	1500
86	7	16	11	30	5.9	1.0	cloudy	7.00	1600
86	7	23	13	37	5.8	1.0	sl cloudy	7.60	1400
86	7	24	14	34	5.7	1.0	sl cloudy	7.70	1400
86	7	25	9	59	5.6	1.0	clear	7.80	1500

TOTAL 21.1

WELL MW6-1S

CWM/ WELLS/ MODEL CITY

853-3051

NYSDEC OHMS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	9	14	0	4.8	-	-	-	-
86	6	11	16	23	4.6	-	-	-	-
86	7	2	16	9	4.5	2.3	cloudy	7.30	1100
86	7	3	15	17	4.9	2.0	cloudy	7.50	1200
86	7	9	14	45	4.9	1.8	cloudy	7.10	1100
86	7	10	16	27	5.0	1.3	cloudy	6.60	1150
86	7	11	11	25	5.0	2.0	cloudy	-	-
86	7	14	14	35	5.0	1.8	cloudy	7.00	1000
86	7	15	15	27	5.0	1.8	cloudy	7.20	1000
86	7	16	14	30	5.0	1.5	cloudy	7.20	1000
86	7	16	15	21	6.8	-	-	-	-
86	7	21	11	23	4.9	1.5	v cloudy	7.70	1000
86	7	22	14	2	5.3	1.7	v cloudy	7.50	990
86	7	23	8	40	5.4	1.7	v cloudy	7.20	990
86	7	24	15	27	5.1	2.0	v cloudy	7.90	950
86	7	25	11	15	5.1	2.0	v cloudy	7.80	930
86	7	28	10	45	5.0	3.0	v cloudy	8.10	980
86	7	28	16	29	5.3	3.0	v cloudy	8.00	960

CONTINUED ON NEXT PAGE

WELL MW6-1S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	29	11	11	5.1	3.5	v cloudy	7.90	1000
86	7	31	11	2	5.1	3.8	v cloudy	7.90	1000
86	8	12	14	0	5.0	2.5	v cloudy	7.60	1000
86	8	13	9	10	5.2	2.5	cloudy	7.75	1000
86	8	14	10	0	5.2	3.0	cloudy	7.80	1000
86	8	16	12	40	5.0	3.3	cloudy	7.50	1000
86	8	18	9	55	5.2	1.5	cloudy	7.25	1050
86	8	19	9	20	5.3	3.0	cloudy	7.50	1050
86	8	25	13	40	5.4	3.3	cloudy	7.25	1050
86	8	26	8	37	5.3	3.3	cloudy	7.00	1100
86	8	27	10	20	5.4	3.3	cloudy	7.00	1100
86	8	28	8	36	5.5	3.5	cloudy	6.40	1000
86	8	29	11	0	5.7	3.0	cloudy	8.00	1000
86	8	30	11	42	5.8	2.5	cloudy	7.70	1000
86	8	31	10	29	5.8	3.7	cloudy	-	-
86	9	1	11	50	5.9	2.3	cloudy	7.90	1000
86	9	4	9	33	5.7	2.8	cloudy	7.90	1100
TOTAL						80.2			

WELL MW6-1D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	2	16	11	10.0	2.8	clear	8.20	280
86	7	3	15	25	10.3	2.5	clear	7.90	300
86	7	9	14	40	10.2	2.8	sl cloudy	7.75	1000
86	7	10	16	30	10.4	2.5	sl cloudy	7.35	1250
86	7	11	11	27	10.4	3.0	sl cloudy	-	-
86	7	14	14	37	10.4	3.3	sl cloudy	6.80	1250
86	7	15	15	25	10.5	3.3	sl cloudy	7.05	1300
86	7	16	14	32	10.6	3.5	sl cloudy	7.70	1400
86	7	21	11	16	10.3	3.3	clear	8.10	1300
86	7	22	13	54	10.8	3.3	clear	7.60	1200
86	7	23	8	27	10.9	3.3	clear	6.80	1300
86	7	24	15	37	10.7	3.3	clear	8.00	1300
TOTAL						36.9			

WELL MW6-2S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	22	-	-	4.1	-	-	-	-
86	5	27	14	0	4.7	2.8	cloudy	6.60	1100
86	5	28	16	0	4.5	2.5	cloudy	6.10	1100
86	5	29	8	41	5.1	2.8	cloudy	6.30	1300
86	5	29	14	31	5.0	2.5	cloudy	-	-
86	5	30	9	14	5.1	2.5	cloudy	6.00	1100
86	6	2	16	0	5.0	-	-	-	-
86	6	3	16	9	5.2	-	-	-	-
86	6	9	13	35	5.3	2.0	1 cloudy	7.60	1200
86	6	11	16	20	5.8	-	-	-	-
86	6	30	14	38	7.6	2.0	cloudy	7.70	1400
86	7	1	14	0	5.2	2.0	cloudy	7.60	1400
86	7	2	14	0	6.7	1.8	clear	7.50	1400
86	7	3	15	10	6.9	1.8	clear	7.60	1500
86	7	9	14	30	6.9	2.0	1 cloudy	7.15	1300
86	7	10	13	55	7.1	2.0	1 cloudy	7.25	1400
86	7	11	11	20	7.1	2.0	cloudy	-	-
86	7	16	14	20	6.6	2.0	cloudy	7.20	1200
86	7	23	13	55	6.2	2.0	1 cloudy	7.70	1100
86	7	24	14	54	6.3	2.0	1 cloudy	7.80	1200
86	7	25	10	40	6.3	2.3	cloudy	7.80	1200
						TOTAL	37.0		

WELL MW6-3S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	9	16	30	6.7	-	-	-	-
86	6	11	16	18	6.3	-	-	-	-
86	6	17	16	15	6.7	1.5	v cloudy	7.20	1550
86	6	30	15	3	6.9	1.3	v cloudy	7.30	1500
86	7	1	14	16	7.7	1.5	cloudy	7.30	1420
86	7	2	14	37	6.8	1.5	v cloudy	7.20	1500
86	7	3	14	59	7.1	1.3	cloudy	7.30	1400
86	7	9	15	35	-	1.3	cloudy	6.80	1450
86	7	10	13	43	7.3	1.5	cloudy	7.00	1400
86	7	11	11	12	7.1	1.0	cloudy	-	-
86	7	14	11	40	7.2	1.5	cloudy	6.80	1400
86	7	16	11	40	7.2	1.5	cloudy	6.90	1400
86	7	23	13	44	7.2	1.3	sl cloudy	7.50	1300
86	7	24	14	47	7.2	1.3	sl cloudy	7.50	1300
86	7	25	10	12	6.8	1.5	cloudy	7.60	1300
						TOTAL	18.0		

WELL MW7-1S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	14	14	35	4.9	-	-	-	-
86	5	19	15	8	4.9	-	-	-	-
86	5	20	15	3	4.3	-	-	-	-
86	5	22	16	32	4.5	-	-	-	-
86	5	27	17	20	4.3	-	-	-	-
86	5	28	13	36	4.4	-	-	-	-
86	6	6	14	49	3.7	-	-	-	-
86	6	17	10	45	4.1	1.5	clear	7.80	1200
86	6	18	8	57	4.2	1.3	clear	7.60	1200
86	6	19	11	25	4.1	1.5	clear	7.60	1600
86	6	20	9	35	4.1	1.0	clear	7.40	1100
86	6	23	13	32	-	1.8	clear	7.75	1200
86	6	24	10	15	4.0	1.8	1 cloudy	7.60	1250
86	6	25	8	53	4.3	1.5	-	7.30	1050
86	6	25	14	7	5.1	1.0	clear	7.60	1200
86	6	26	10	45	4.5	1.3	clear	7.40	1200
86	6	30	11	14	4.6	1.0	clear	7.70	1150
86	7	1	10	50	4.7	1.3	clear	7.60	1150
86	7	2	11	46	4.5	1.5	clear	7.70	1200
						TOTAL	16.5		

WELL MW7-1D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	17	10	50	3.8	4.5	1 cloudy	8.05	285
86	6	18	8	57	4.7	4.3	cloudy	7.90	1050
86	6	19	11	25	4.8	4.0	1 cloudy	7.95	1300
86	6	20	9	43	4.9	4.0	1 cloudy	8.00	1150
86	6	23	13	40	4.8	4.5	1 cloudy	8.00	1150
86	6	24	10	20	5.2	4.0	cloudy	7.80	1200
86	6	25	8	55	5.4	4.0	cloudy	7.75	1250
86	6	25	14	10	10.4	2.5	v cloudy	7.80	1250
86	6	26	10	47	5.7	4.0	cloudy	7.80	1200
86	6	30	11	11	5.2	4.0	1 cloudy	7.80	1250
86	7	1	10	44	5.7	4.0	clear	7.80	1200
86	7	2	11	32	5.9	4.0	clear	7.90	1300
86	7	3	10	17	5.9	4.0	clear	-	-

TOTAL 51.75

WELL MW7-2S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	14	14	38	12.9	-	-	-	-
86	5	19	15	5	5.7	-	-	-	-
86	5	20	15	0	4.8	-	-	-	-
86	5	22	16	30	4.4	-	-	-	-
86	5	27	17	20	4.2	-	-	-	-
86	5	28	13	32	4.2	-	-	-	-
86	6	6	14	49	4.2	-	-	-	-
86	6	17	11	45	3.9	2.3	1 cloudy	7.6	1000
86	6	18	9	19	7.5	1.3	clear	7.6	990
86	6	19	11	45	7.7	1.3	clear	7.6	1000
86	6	20	10	0	8.2	-	-	7.6	1000
86	6	23	11	55	5.5	2.3	clear	7.5	1000
86	6	24	9	47	5.4	1.5	clear	7.6	1000
86	6	25	8	30	7.9	1.3	cloudy	7.4	1000
86	6	25	14	45	10.9	0.5	clear	7.8	1100
86	6	26	10	25	9.2	1.0	clear	7.7	1050
86	6	30	10	37	5.1	2.0	1 cloudy	7.5	1050
86	7	1	10	30	7.6	1.5	clear	7.7	1050
86	7	2	11	3	7.9	1.3	clear	7.6	1050
						TOTAL	16.3		

CWM/ WELLS/ MODEL CITY 853-3051

WELL MW7-2D

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	17	11	45	9.1	3.7	clear	8.75	260
86	6	18	9	19	10.9	3.0	cloudy	8.20	565
86	6	19	11	45	10.7	2.5	cloudy	8.20	590
86	6	20	10	0	10.9	3.0	cloudy	8.15	725
86	6	23	13	17	10.1	3.5	1 cloudy	8.20	860
86	6	24	9	50	10.7	3.0	cloudy	8.10	1000
86	6	25	8	35	10.7	3.0	cloudy	6.95	1000
86	6	25	14	50	16.1	2.0	v cloudy	8.00	1000
86	6	26	10	27	10.9	3.0	cloudy	7.80	1050
86	6	27	10	47	10.7	3.0	cloudy	7.90	1050
86	7	1	10	25	10.9	3.0	1 cloudy	7.90	1050
86	7	2	10	55	11.1	3.0	clear	7.70	1100
86	7	3	10	47	11.2	3.0	clear	-	-
TOTAL						38.7			

WELL MW7-2D

WELL MW7-3S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	14	14	30	4.1	-	-	-	-
86	5	19	15	4	4.1	-	-	-	-
86	5	20	14	47	4.0	-	-	-	-
86	5	21	11	35	4.0	1.5	1 cloudy	6.30	1400
86	5	22	9	37	4.0	1.5	1 cloudy	7.10	1500
86	5	27	10	20	3.7	1.5	cloudy	-	-
86	5	28	13	22	3.9	1.5	cloudy	6.60	1300
86	5	29	14	4	4.0	1.5	cloudy	-	-
86	6	16	16	0	3.8	-	-	-	-
86	6	17	14	20	4.0	1.3	cloudy	7.45	1650
86	6	18	9	39	3.9	1.7	1 cloudy	7.35	1650
86	6	19	13	50	-	1.3	1 cloudy	7.40	1600
86	6	20	10	22	4.0	1.5	1 cloudy	7.40	1550
86	6	23	11	28	4.2	1.5	cloudy	7.20	1400
86	6	24	9	25	4.0	1.8	cloudy	7.40	1600
86	6	25	9	12	4.3	1.0	cloudy	7.20	1700
86	6	25	14	35	4.9	1.0	v cloudy	7.40	1550
86	6	26	10	3	4.5	1.5	cloudy	7.35	1650
86	6	26	14	35	5.0	1.0	cloudy	7.25	1650
86	6	30	10	15	4.7	1.8	cloudy	7.40	1650
86	7	1	9	43	4.7	1.5	cloudy	7.50	1700
86	7	2	10	25	4.7	1.3	1 cloudy	7.50	1700
86	7	3	8	55	4.7	1.3	1 cloudy	-	-
86	7	7	9	55	5.3	1.3	cloudy	7.25	1550
86	7	8	13	40	5.2	1.3	cloudy	6.80	1700
86	7	8	9	40	5.0	1.0	cloudy	6.90	1650
86	7	9	10	10	5.2	1.0	cloudy	7.00	1600
86	7	9	9	10	5.3	1.0	cloudy	-	-

CWM/ WELLS/ MODEL CITY 853-3051

WELL MW7-3D

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	16	16	10	8.0	-	-	-	-
86	6	17	14	20	7.9	3.8	cloudy	8.85	210
86	6	18	9	39	10.0	3.5	cloudy	8.00	555
86	6	19	13	30	-	3.5	1 cloudy	7.95	880
86	6	20	10	22	10.2	4.0	1 cloudy	7.90	1000
86	6	23	11	43	10.5	4.0	cloudy	7.70	940
86	6	24	9	30	10.6	3.0	cloudy	7.90	1000
86	6	25	9	15	10.7	3.0	cloudy	7.60	1000
86	6	25	14	37	10.9	3.3	cloudy	7.70	1000
86	6	26	10	5	10.7	3.0	cloudy	7.75	1000
86	6	26	14	40	11.0	3.0	cloudy	7.80	1000
86	6	30	7	9	11.1	3.8	cloudy	7.90	1000
86	7	1	9	36	11.4	3.5	1 cloudy	7.90	1000
86	7	2	10	5	10.9	4.0	1 cloudy	7.90	1050
86	7	3	8	59	11.6	3.0	1 cloudy	-	-
86	7	7	10	0	11.9	3.0	1 cloudy	7.70	1000
86	7	8	13	42	12.0	3.0	1 cloudy	6.80	1000
86	7	9	9	35	12.0	3.0	1 cloudy	7.70	1000
86	7	10	10	12	12.1	3.0	1 cloudy	7.65	1000
86	7	11	9	12	12.1	3.0	1 cloudy	-	-
TOTAL						63.4			

CWM/ WELLS/ MODEL CITY 853-3051

WELL, MW7-4S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	14	14	25	5.0	-	-	-	-
86	5	19	15	2	5.0	-	-	-	-
86	5	20	14	40	4.9	-	-	-	-
86	5	21	11	25	4.8	1.7	clear	6.40	800
86	5	22	9	30	5.0	1.5	clear	7.20	850
86	5	27	10	0	4.7	2.3	clear	-	-
86	5	29	13	54	4.2	2.0	clear	-	-
86	6	2	16	41	4.5	-	-	-	-
86	6	6	14	44	4.5	-	-	-	-
86	6	16	16	5	4.4	-	-	-	-
86	6	17	14	5	4.7	1.7	clear	7.60	1000
86	6	18	10	22	5.3	1.8	clear	7.60	1000
86	6	19	14	10	5.0	1.3	clear	7.60	1000
86	6	20	11	33	5.3	1.8	clear	7.60	1000
86	6	23	11	10	5.0	2.0	clear	7.35	1000
86	6	24	9	7	5.4	2.0	clear	7.70	1000
86	6	25	9	35	5.6	2.0	clear	7.60	1050
86	6	25	14	55	7.4	0.8	clear	7.60	1050
86	6	26	9	47	5.9	1.5	clear	7.50	1000
86	6	26	14	23	8.3	1.0	cloudy	7.70	1000
86	6	30	9	40	5.3	1.8	1 cloudy	7.60	1000
86	7	1	9	20	5.9	1.8	clear	7.70	1100
86	7	2	9	35	5.8	1.8	clear	7.70	1100
						TOTAL	28.8		

CWM/ WELLS/ MODEL CITY 853-3051

WELL MW7-4D

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	29	13	54	5.7	-	-	-	-
86	6	2	16	41	7.8	-	-	-	-
86	6	6	14	45	8.3	-	-	-	-
86	6	16	16	5	10.4	-	-	-	-
86	6	17	14	5	9.9	3.8	1 cloudy	8.25	495
86	6	18	10	22	22.2	-	-	-	-
86	6	19	14	10	17.7	2.0	clear	8.15	520
86	6	20	11	40	21.8	1.0	clear	8.20	440
86	6	23	11	17	16.3	2.5	clear	7.90	790
86	6	24	9	10	23.4	1.0	clear	8.05	740
86	6	25	9	37	22.0	1.0	1 cloudy	7.60	785
86	6	25	15	0	26.5	0.1	v cloudy	8.00	915
86	6	26	9	50	23.0	1.0	cloudy	7.95	780
86	6	26	14	20	26.6	0.1	cloudy	8.00	840
86	6	30	9	30	13.1	2.5	1 cloudy	7.85	850
86	7	1	9	10	22.3	1.3	1 cloudy	7.90	830
86	7	2	9	23	21.2	1.0	1 cloudy	7.90	850
86	7	3	8	43	22.5	1.0	1 cloudy	-	-
86	7	7	9	45	15.9	2.0	1 cloudy	7.25	860
86	7	8	14	10	21.9	1.0	1 cloudy	7.20	965
86	7	9	9	22	23.6	0.8	1 cloudy	7.20	950
86	7	10	10	0	23.0	1.0	1 cloudy	7.25	945
86	7	11	9	5	23.6	1.0	1 cloudy	-	-

TOTAL 24.1

WELL MW7-5S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	05	17	10	42	8.1	-	-	-	-
86	05	14	14	20	5.3	-	-	-	-
86	05	19	15	0	5.0	-	-	-	-
86	05	20	14	35	5.1	-	-	-	-
86	05	21	11	13	5.0	2.3	1 cloudy	6.50	600
86	05	22	9	20	4.9	2.3	1 cloudy	7.00	680
86	05	27	17	6	4.8	-	-	-	-
86	05	28	13	41	4.3	2.8	1 cloudy	6.50	620
86	05	29	13	30	4.9	2.3	1 cloudy	-	-
86	06	02	16	36	4.6	-	-	-	-
86	06	06	14	39	4.3	-	-	-	-
86	06	16	16	5	4.8	-	-	-	-
86	06	17	10	0	5.0	-	-	-	-
86	06	18	10	32	5.0	2.3	1 cloudy	7.40	850
86	06	19	14	32	4.7	2.3	clear	7.60	845
86	06	20	11	17	5.1	2.0	clear	7.60	850
86	06	23	10	50	5.2	2.3	clear	7.60	830
86	06	24	8	47	5.0	2.3	1 cloudy	7.20	980
86	06	25	9	50	5.4	3.0	cloudy	7.50	845
86	06	25	15	20	5.6	3.0	cloudy	7.50	860
86	06	26	9	22	5.5	2.8	cloudy	7.40	825
86	06	26	14	5	5.5	2.5	cloudy	7.35	835
86	06	26	14	5	6.1	2.0	cloudy	7.40	830
86	06	30	9	0	5.7	2.5	1 cloudy	7.40	830
86	07	1	8	45	5.4	2.3	1 cloudy	7.50	820
86	07	2	8	51	5.7	2.5	1 cloudy	7.60	830

TOTAL 11.5

WELL MW7-5D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	27	17	10	3.7	-	-	-	-
86	5	28	13	50	8.3	3.0	1 cloudy	6.80	2000
86	5	29	13	37	9.0	2.3	1 cloudy	-	-
86	6	2	16	36	10.3	-	-	-	-
86	6	6	14	40	10.5	-	-	-	-
86	6	16	16	5	11.1	-	-	-	-
86	6	17	10	0	10.9	2.8	clear	7.45	540
86	6	18	10	33	11.3	2.3	clear	8.00	645
86	6	19	14	32	11.4	2.0	clear	8.05	915
86	6	20	11	24	11.4	2.3	1 cloudy	8.00	740
86	6	23	10	58	11.6	2.8	1 cloudy	7.80	920
86	6	24	8	55	11.8	2.0	cloudy	7.95	900
86	6	25	9	55	12.0	2.3	cloudy	7.75	900
86	6	25	15	15	12.4	2.0	v cloudy	7.80	910
86	6	26	9	25	12.1	2.0	cloudy	7.90	900
86	6	26	14	7	12.6	2.0	cloudy	7.80	885
86	6	30	9	1	12.3	2.8	1 cloudy	7.20	830
86	7	1	8	36	12.4	2.5	1 cloudy	7.20	875
86	7	2	8	40	12.6	2.3	1 cloudy	7.10	1000
86	7	3	8	37	11.4	2.0	1 cloudy	-	-
86	7	7	9	30	13.0	2.5	1 cloudy	6.75	875
86	7	8	14	20	13.1	2.3	1 cloudy	7.30	1000
86	7	9	9	12	13.1	2.5	1 cloudy	7.05	1050
86	7	10	9	45	13.2	2.3	1 cloudy	6.95	1000
86	7	11	8	55	13.4	2.0	1 cloudy	-	-
TOTAL						49.0			

CRM/ WILSON/ MOBILE CITY REV 0051

WELL PZ-15

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLEARITY	PH	SPECIFIC GRAVITY
85	12	23	15	45	*	3.02			
85	12	24	7	55	*	3.02			
86	1	6	8	30	*	3.02	SL. DIRTY		1.000
86	1	7	16	0	*	3.02			
86	1	8	8	10	*	3.02			
						TOTAL	15.11		

NOTE: * NITROGEN PURGE
VOLUME PURGED VALUES ARE APPROXIMATE

REV 0051-00

WELL P7-2S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	14	8	25	4.1	-	-	-	-
86	5	19	16	5	3.9	-	-	-	-
86	5	21	11	53	3.8	-	-	-	-
86	5	22	17	35	3.7	-	-	-	-
86	5	27	17	10	3.7	-	-	-	-
86	5	28	11	30	3.7	-	-	-	-
86	6	6	14	57	3.6	-	-	-	-
86	6	17	10	30	3.7	2.0	clear	7.45	2200
86	6	18	8	49	4.2	2.0	clear	7.35	2250
86	6	19	11	6	-	1.8	clear	7.30	2150
86	6	20	9	5	4.3	1.8	1 cloudy	7.53	2150
86	6	23	13	55	4.0	2.0	cloudy	-	-
86	6	24	15	57	4.2	2.0	cloudy	7.30	2250
86	6	25	10	40	4.6	2.0	cloudy	7.30	2200
86	6	25	15	35	6.8	1.3	cloudy	7.40	2200
86	6	26	11	6	4.8	2.0	cloudy	7.20	2200
86	6	30	13	16	4.4	2.0	cloudy	7.60	2100
86	7	1	11	6	4.6	1.8	1 cloudy	7.50	2250
86	7	7	11	17	4.7	1.5	cloudy	7.05	2150
86	7	8	13	25	4.8	1.5	1 cloudy	6.80	2200
86	7	9	9	55	4.8	1.8	1 cloudy	7.40	2250
86	7	10	10	25	5.0	1.5	1 cloudy	7.10	2250
86	7	11	9	25	5.1	2.0	1 cloudy	-	-
						TOTAL	29.0		

CWM/ WELLS/ MODEL CITY 853-3051

WELL P7-3S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	19	8	25	12.2	-	-	-	-
86	9	19	13	35	9.9	1.6	sl cloudy	7.40	1600
86	9	20	12	42	6.8	2.3	clear	7.10	1600
86	9	22	8	25	7.0	2.8	clear	7.20	1600
86	9	23	9	8	6.9	2.7	clear	7.70	1600
86	9	24	18	48	6.8	2.6	clear	8.00	1500
86	9	25	9	7	6.9	2.1	clear	7.00	1600
86	9	25	16	30	8.0	2.0	clear	8.00	1500
86	9	26	8	45	7.0	2.4	clear	7.40	1500

TOTAL 18.5

WELL MW10-1S

CWM/ WELLS/ MODEL CITY

853-3051

86 5 17
86 5 10

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	23	15	25	3.4	2.5	cloudy	7.30	1150
86	6	24	10	50	3.8	-	-	-	-
86	6	24	15	15	3.5	2.5	cloudy	7.10	1300
86	6	25	10	55	4.2	2.5	cloudy	7.15	1400
86	6	25	16	0	4.3	2.3	v cloudy	7.15	1600
86	6	26	13	30	4.2	2.0	cloudy	7.00	1550
86	6	30	13	42	3.9	2.3	cloudy	7.20	1700
86	7	1	13	20	4.3	2.8	cloudy	7.40	1700
86	7	2	13	39	4.0	2.5	clear	7.10	1650
86	7	3	11	22	4.2	-	-	-	-
TOTAL						19.4			

86 6 15 10:00

86 6 15 10:00

WELL MW10-1D

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	23	15	35	5.0	3.5	cloudy	8.00	280
86	6	24	10	55	5.0	-	-	-	-
86	6	24	15	20	5.1	2.5	cloudy	7.80	295
86	6	25	11	0	5.1	4.0	cloudy	7.60	760
86	6	25	16	3	5.3	3.5	cloudy	7.40	1000
86	6	26	13	33	5.3	4.0	cloudy	7.10	1100
86	6	30	13	35	5.3	3.8	s1 cloudy	7.60	1200
86	7	1	13	12	5.2	3.5	s1 cloudy	7.70	1200
86	7	2	13	33	5.3	3.3	s1 cloudy	7.60	1200
86	7	3	13	53	5.3	3.0	clear	-	-
86	7	7	10	32	5.5	3.5	cloudy	7.65	1200
86	7	8	11	22	5.4	3.5	cloudy	6.80	1200
86	7	9	8	55	5.4	3.0	cloudy	6.40	1250
86	7	10	9	22	5.5	3.3	cloudy	6.45	1200
86	7	11	8	40	5.5	3.0	cloudy	-	-

TOTAL 47.4

WELL MW10-1D

WELL MW10-2S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	23	15	47	15.9	-	-	-	-
86	6	24	15	45	12.5	-	-	-	-
86	6	25	11	23	10.8	0.3	clear	7.25	1350
86	6	25	16	17	10.8	0.3	clear	7.40	1200
86	6	26	13	50	9.4	0.8	clear	7.20	1400
86	6	30	13	57	5.6	2.3	clear	7.40	1400
86	7	1	10	40	7.7	2.3	clear	7.50	1400
86	7	2	10	50	7.6	1.3	clear	7.60	1400
86	7	3	14	15	7.6	1.5	clear	7.40	1500
86	7	7	10	40	5.5	1.8	clear	7.05	1400
86	7	8	10	46	7.9	1.8	clear	6.55	1450
TOTAL						12.4			

MSDP 510-10

WELL P10-1S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	4	14	14	5	16.4	-	-	-	-
86	5	19	14	53	8.4	-	-	-	-
86	5	20	15	13	9.9	-	-	-	-
86	5	21	14	0	8.8	-	-	-	-
86	5	22	15	27	9.2	-	-	-	-
86	5	27	11	30	8.5	0.5	clear	7.00	2500
86	5	28	9	10	8.6	0.3	clear	6.80	3200
86	5	29	11	0	8.6	0.3	clear	-	-
86	6	2	11	36	8.0	0.3	clear	-	2500
86	6	3	11	19	8.2	0.5	clear	-	3000
86	6	6	15	53	7.8	-	-	-	-
86	6	9	11	27	7.8	0.5	clear	7.30	3800
86	6	11	10	48	7.8	1.0	clear	7.50	4000
TOTAL						3.4			

CWM/ WELLS/ MODEL CITY 853-3051

WELL P10-2S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	14	15	40	10.2	-	-	-	-
86	5	19	14	55	8.4	-	-	-	-
86	5	20	15	18	8.1	-	-	-	-
86	5	21	15	0	8.0	0.8	clear	6.00	1900
86	5	22	15	17	8.1	1.0	clear	6.90	1900
86	5	27	11	40	7.8	1.0	clear	6.50	1800
86	5	28	9	30	8.0	-	-	6.30	1800
86	5	29	11	5	8.3	1.0	clear	-	-
86	6	2	11	46	7.8	1.3	clear	-	1700
86	6	3	11	31	7.6	1.0	clear	-	1700
86	6	6	15	56	7.4	-	-	-	-
86	6	9	11	39	7.4	1.3	clear	7.30	2100
86	6	11	10	23	7.1	1.3	clear	7.10	2300
86	6	11	10	38	11.0	-	-	-	-
86	6	11	10	42	10.8	-	-	-	-
86	6	11	11	2	10.3	-	-	-	-
86	6	11	11	48	9.6	-	-	-	-
86	6	11	13	37	8.7	-	-	-	-
86	6	11	17	3	8.0	-	-	-	-
86	6	12	9	46	7.0	-	-	-	-
86	6	12	16	57	7.0	-	-	-	-
86	6	13	9	34	7.1	-	-	-	-
TOTAL						8.7			

WELL MW11-1S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	11	19	16	30	7.22	-	-	-	-
85	11	20	13	5	6.14	-	-	-	-
85	11	21	10	35	6.30	-	-	-	-
85	11	25	9	30	6.37	-	-	-	-
85	11	26	10	40	*	2.24	-	-	-
85	11	26	13	0	*	1.12	-	-	-
85	11	26	14	45	*	1.12	-	-	-
85	11	26	15	45	*	1.12	-	-	-
85	12	19	11	0	**	2.90	V CLOUDY	-	-
85	12	19	14	0	**	1.45	V CLOUDY	-	-
85	12	19	15	0	**	1.45	CLOUDY	-	-
85	12	19	16	15	**	1.45	V CLOUDY	-	2000
85	12	20	16	20	**	1.45	CLOUDY	-	2100
86	1	6	-	-	**	1.45	CLOUDY	-	-
86	1	7	-	-	**	1.45	-	-	-
86	1	8	-	-	**	1.45	-	-	-
TOTAL						18.63			

NOTE: * PUMPED WITH RIG
 ** NITROGEN PURGE
 VOLUME PURGED VALUES ARE APPROXIMATE

WELL MW11-1D

CWM/ WELLS/ MODEL CITY 853-3051

NYSDEC OHMS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	11	18	15	30	9.68	-	-	-	-
85	11	19	10	55	9.35	-	-	-	-
85	11	20	13	5	9.09	-	-	-	-
85	11	21	10	35	9.02	-	-	-	-
85	11	25	9	30	8.76	-	-	-	-
85	11	26	10	40	*	1.79	-	-	-
85	11	26	13	0	*	0.90	-	-	-
85	11	26	14	45	*	0.90	-	-	-
85	11	26	15	45	*	0.90	-	-	-
85	12	19	11	0	**	5.22	V CLOUDY	-	-
85	12	19	14	0	**	2.61	CLOUDY	-	-
85	12	19	15	0	**	2.61	CLOUDY	-	-
85	12	19	16	15	**	2.61	V CLOUDY	-	1300
85	12	20	16	20	**	2.61	SL CLOUDY	-	-
86	1	6	-	-	**	2.61	SL CLOUDY	-	1600
86	1	7	-	-	**	2.61	-	-	-
86	1	8	-	-	**	2.61	-	-	-
TOTAL						27.97			

NOTE: * PUMPED WITH RIG

** NITROGEN PURGE

VOLUME PURGED VALUES ARE APPROXIMATE

CWM/ WELLS/ MODEL CITY 853-3051

WELL MW11-2S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	12	19	10	45	**	2.45	CLOUDY	-	-
85	12	19	13	50	**	1.22	CLOUDY	-	-
85	12	19	14	55	**	1.22	CLOUDY	-	-
85	12	19	16	10	**	1.22	V CLOUDY	-	1100
85	12	20	16	22	**	1.22	CLOUDY	-	-
86	1	6	-	-	**	1.22	CLOUDY	-	2000
86	1	7	-	-	**	1.22	-	-	-
86	1	8	-	-	**	1.22	-	-	-
TOTAL						11.01			

NOTE: ** NITROGEN PURGE
VOLUME PURGED VALUES ARE APPROXIMATE

WELL MW11-1D

DATE: 10/10/85

85 12 19
85 12 19
85 12 19
85 12 19
85 12 20
86 1 6
86 1 7
86 1 8

WELL MW11-2D

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	12	19	10	45	**	4.89	CLOUDY	-	-
85	12	19	13	50	**	2.45	CLOUDY	-	-
85	12	19	14	55	**	2.45	CLOUDY	-	-
85	12	19	16	10	**	2.45	V CLOUDY	-	1100
85	12	20	16	22	**	2.45	SL CLOUDY	-	-
86	1	6	-	-	**	2.45	SL CLOUDY	-	1100
86	1	7	-	-	**	2.45	-	-	-
86	1	8	-	-	**	2.45	-	-	-
TOTAL						22.02			

NOTE: ** NITROGEN PURGE
VOLUME PURGED VALUES ARE APPROXIMATE

WELL MW11-3S

CWM/ WELLS/ MODEL CITY 853-3051

SDEC OHMS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	11	14	11	45	13.22	-	-	-	-
85	11	15	14	30	8.69	-	-	-	-
85	11	18	10	15	7.05	-	-	-	-
85	11	19	10	50	7.97	-	-	-	-
85	11	20	13	0	8.04	-	-	-	-
85	11	21	10	30	8.14	-	-	-	-
85	11	21	14	25	--	-	SL CLOUDY	7.45	2200
85	11	21	15	30	--	-	CLEAR	7.85	2050
85	11	21	15	30	27.56	-	-	-	-
85	11	21	16	5	23.20	-	-	-	-
85	11	21	16	0	8.60	-	-	-	-
85	11	21	9	25	7.91	-	-	-	-
85	11	25	14	30	*	2.08	-	-	-
85	11	26	10	10	*	1.04	-	-	-
85	11	26	11	0	*	1.04	-	-	-
85	11	26	13	0	*	1.04	-	-	-
85	11	26	14	45	*	1.04	-	-	-
85	11	26	15	45	*	1.04	-	-	-
85	12	19	10	0	**	3.06	CLEAR	-	-
85	12	19	13	45	**	1.53	CLOUDY	-	-
85	12	19	14	50	**	1.53	-	-	-
85	12	19	16	45	**	1.53	CLEAR	-	2000
85	12	20	16	20	**	1.53	CLEAR	-	-
86	1	6	-	-	**	1.53	CLEAR	-	2000
86	1	7	-	-	**	1.53	-	-	-
86	1	8	-	-	**	1.53	-	-	-
						TOTAL	21.06		

NOTE: PUMPED WITH RIG

WELL MW11-3D

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	11	13	13	20	8.53	-	-	-	-
85	11	14	11	30	14.63	-	-	-	-
85	11	15	14	30	14.44	-	-	-	-
85	11	18	10	15	14.01	-	-	-	-
85	11	19	10	50	13.88	-	-	-	-
85	11	20	13	0	13.78	-	-	-	-
85	11	21	10	30	13.71	-	-	-	-
85	11	21	12	55	--	-	-	-	-
85	11	21	14	10	36.75	-	V CLOUDY	8.2	725
85	11	21	14	30	32.74	-	-	-	-
85	11	21	14	45	31.17	1.09	-	-	-
85	11	21	15	35	25.85	0.54	-	-	-
85	11	21	16	5	22.90	0.54	-	-	-
85	11	22	9	0	13.65	0.54	-	-	-
85	11	25	9	25	13.35	0.54	-	-	-
85	11	25	14	30	*	0.54	-	-	-
85	11	25	15	30	*	0.54	-	-	-
85	11	26	10	30	*	4.35	CLEAR	-	-
85	11	26	11	0	*	2.17	-	-	-
85	11	26	13	0	*	2.17	-	-	-
85	11	26	14	45	*	2.17	-	-	-
85	11	26	15	45	*	2.17	-	-	-
85	12	19	10	20	**	2.17	CLEAR	-	-
85	12	19	13	45	**	2.17	CLOUDY	-	-
85	12	19	14	50	**	2.17	-	-	-
85	12	19	15	50	**	2.17	CLEAR	-	1000
85	12	20	16	25	**	2.17	CLEAR	-	1000
86	1	6	-	-	**	2.17	-	-	-
86	1	7	-	-	**	2.17	-	-	-
86	1	8	-	-	**	2.17	-	-	-

TOTAL 35.33

NOTE: * DUMPED WITH RIG

CWM/ WELLS/ MODEL CITY 853-3051

WELL MW11-4S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	12	19	13	0	**	1.98	CLOUDY	-	-
85	12	19	14	30	**	0.99	-	-	-
85	12	19	16	0	**	0.99	CLOUDY	-	950
85	12	20	10	10	**	0.99	SL CLOUDY	-	-
85	12	20	16	30	**	0.99	CLOUDY	-	-
86	11	6	-	-	**	0.99	CLEAR	-	1300
86	11	7	-	-	**	0.99	-	-	-
86	11	8	-	-	**	0.99	-	-	-
TOTAL						8.92			

NOTE: ** NITROGEN PURGE
VOLUME PURGED VALUES ARE APPROXIMATE

WELL MW11-4D

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	12	19	13	0	**	5.31	CLEAR	-	-
85	12	19	14	30	**	2.66	-	-	-
85	12	19	16	0	**	2.66	CLOUDY	-	670
85	12	20	10	10	**	2.66	SL CLOUDY	-	-
85	12	20	16	30	**	2.66	CLOUDY	-	-
86	1	6	-	-	**	2.66	SL CLOUDY	-	815
86	1	7	-	-	**	2.66	-	-	-
86	1	8	-	-	**	2.66	-	-	-
						TOTAL	23.90		

NOTE: ** NITROGEN PURGE
VOLUME PURGED VALUES ARE APPROXIMATE

WELL MW11-5S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	12	5	13	0	16.50	-	-	-	-
85	12	5	14	30	15.09	-	-	-	-
85	12	6	16	0	11.91	-	-	-	-
86	1	6	-	-	**	1.76	CLEAR	-	-
86	1	7	-	-	**	1.76	-	-	-
86	1	8	-	-	**	1.76	-	-	-
TOTAL						5.27	-	-	-

NOTE: ** NITROGEN PURGE

VOLUME PURGED VALUES ARE APPROXIMATE

WELL MW11-5D

CWM/ WELLS/ MODEL CITY

853-3051

NYSDOHMS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	12	4	14	30	*	5.58	V CLOUDY	-	-
85	12	5	9	0	*	5.58	-	7.45	2200
85	12	5	9	30	*	-	V CLOUDY	7.25	2400
85	12	5	11	0	*	-	V CLOUDY	7.3	2400
85	12	6	13	40	*	5.58	V CLOUDY	7.4	2400
85	12	6	12	30	*	5.58	SL CLOUDY	-	-
85	12	19	10	0	**	2.79	SL CLOUDY	-	-
85	12	19	14	15	**	2.79	CLOUDY	-	-
85	12	19	15	35	**	2.79	SL CLOUDY	-	2200
85	12	19	16	30	**	2.79	CLEAR	-	-
85	12	20	16	5	**	2.79	-	-	-
86	1	6	-	-	**	2.79	SL CLOUDY	-	2200
86	1	7	-	-	**	2.79	-	-	-
86	1	8	-	-	**	2.79	-	-	-
TOTAL						27.89			

NOTE: * BAILED

** NITROGEN PURGE

VOLUME PURGED VALUES ARE APPROXIMATE

WELL MW11-65

(1 OF 2) YORK CO. NY

** RECORDED **

NOV 11 1985

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	APPROX TURBIDIT COEFF
85	11	14	1	11	10.89	-	-	-	-
85	11	18	1	9	10.01	-	-	-	-
85	11	19	1	11	10.07	-	-	-	-
85	11	20	1	13	*	2.81	CLOUDY	7.15	2000
85	11	20	1	14	*	-	SL CLOUDY	7.34	2050
85	11	20	1	14	25.20	-	-	-	-
85	11	20	1	15	22.28	-	-	-	-
85	11	20	1	16	21.23	-	-	-	-
85	11	20	1	16	20.80	-	-	-	-
85	11	20	1	17	20.51	-	-	-	-
85	11	21	1	8	14.60	-	-	-	-
85	11	21	1	10	14.27	-	-	-	-
85	11	21	1	11	*	2.81	CLEAR	7.15	2000
85	11	21	1	11	24.71	-	-	-	-
85	11	21	1	11	24.28	-	-	-	-
85	11	21	1	11	23.98	-	-	-	-
85	11	21	1	12	23.72	-	-	-	-
85	11	21	1	13	21.20	-	-	-	-
85	11	21	1	15	20.05	-	-	-	-
85	11	21	1	16	19.59	-	-	-	-
85	11	22	1	8	14.80	-	-	-	-

CONTINUED ON NEXT PAGE

CHM/ WELLS/ MODEL CITY 85.1-3051

WELL MW11-65
(2 OF 2)

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
85	11	25	19	5	10.83	-	-	-	-
85	11	25	19	50	*	2.81	CLEAR	7.2	2100
85	11	25	11	52	*	-	CLEAR	7.35	2200
85	11	25	11	54	25.39	-	-	-	-
85	11	25	11	55	25.33	-	-	-	-
85	11	25	12	0	25.03	-	-	-	-
85	11	25	12	30	24.05	-	-	-	-
85	11	25	11	0	23.33	-	-	-	-
85	11	25	13	30	22.18	-	-	-	-
85	11	25	14	15	21.82	-	-	-	-
85	11	25	15	5	21.00	-	-	-	-
85	11	25	15	38	20.67	-	-	-	-
85	11	25	16	25	20.28	-	-	-	-
85	11	26	11	20	**	2.23	-	-	-
85	11	26	132	0	**	1.11	-	-	-
85	11	26	14	45	**	1.11	-	-	-
85	11	26	15	45	**	1.11	-	-	-
85	11	27	9	0	*	2.81	CLEAR	7.4	2250
85	11	27	9	30	*	-	CLEAR	7.4	2250
85	11	27	12	30	*	-	-	-	-
85	11	27	13	15	*	-	CLEAR	7.4	2250
85	11	27	15	0	*	-	CLEAR	7.4	2250
85	12	23	-	-	***	2.81	-	-	-
85	12	24	-	-	***	1.40	-	-	-
86	1	6	-	-	***	1.40	-	-	-
86	1	7	-	-	***	1.40	-	-	-
86	1	8	-	-	***	1.40	CLEAR	-	1400

11/01/01 25.22

NOTE: * BRILLIANT
** PURPLE WITH PLS
*** NOT ENOUGH PURPLE

WELL MW11-60

ONLY WELL NO. MOBILE CITY 1853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PUMPED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
85	11	14	11	55	12.14	-	-	-	-
85	11	18	9	50	11.60	-	-	-	-
85	11	19	11	10	11.81	-	-	-	-
85	11	20	14	45	*	5.47	V CLOUDY	8.5	640
85	11	20	16	15	98.72	-	V CLOUDY	8.45	1000
85	11	20	16	40	96.26	-	-	-	-
85	11	20	17	0	93.43	-	-	-	-
85	11	20	17	25	12.66	-	-	-	-
85	11	21	8	50	*	5.47	V CLOUDY	8.1	1700
85	11	21	10	40	98.06	-	-	-	-
85	11	21	10	55	97.11	-	-	-	-
85	11	21	11	35	97.11	-	-	-	-
85	11	21	12	0	91.96	-	-	-	-
85	11	21	13	25	99.17	-	-	-	-
85	11	21	15	20	20.54	-	-	-	-
85	11	21	16	0	16.14	-	-	-	-
85	11	21	16	45	15.52	-	-	-	-
85	11	22	8	5	14.97	-	-	-	-
85	11	22	10	30	11.29	-	-	-	-
85	11	25	11	0	*	2.21	SL CLOUDY	7.9	1300
85	11	25	11	52	*	1.11	SL CLOUDY	7.8	1000
85	11	25	13	30	*	1.11	SL CLOUDY	7.8	1150
85	11	25	15	5	*	1.11	SL CLOUDY	7.8	1150
85	11	25	15	40	27.07	-	-	-	-
85	11	25	16	22	24.80	-	-	-	-
85	11	25	11	20	**	2.21	-	-	-

CONTINUED ON NEXT PAGE

WELL NO. 100

CRM/ WELL 57 MODEL CITY

85-8 0051

WELL NO. 100

YR MO DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLEARLY	PH	APPROXIMATE CONCENTRATION (G/GAL)
85 11 26	13	0	**	1.11	-	-	-
85 11 26	14	45	**	1.11	-	-	-
85 11 26	15	45	**	1.11	-	-	-
85 11 26	9	30	*	5.47	-	-	-
85 11 27	10	30	*	-	CLOUDY	7.0	1450
85 11 27	10	45	*	-	CLOUDY	7.0	1550
85 11 27	12	30	*	-	SL CLOUDY	7.0	1500
85 11 27	13	15	*	-	-	-	-
85 11 27	15	15	*	-	CLOUDY	-	-
85 11 27	15	45	*	-	CLEAR	-	-
85 11 27	15	50	*	-	SL CLOUDY	7.0	1500
85 11 27	11	0	*	5.47	-	-	-
85 12 5	11	30	*	-	CLOUDY	7.45	1500
85 12 5	12	0	*	-	-	-	-
85 12 5	14	40	*	-	-	-	-
85 12 5	9	45	***	5.47	-	-	-
85 12 19	14	10	***	2.74	SL CLOUDY	-	-
85 12 19	15	30	***	2.74	-	-	-
85 12 19	16	25	***	2.74	CLOUDY	-	-
85 12 19	16	10	***	5.47	SL CLOUDY	-	1500
85 12 20	-	-	***	5.47	CLEAR	-	-
85 12 23	-	-	***	5.47	-	-	-
85 12 24	-	-	***	5.47	-	-	-
86 1 6	-	-	***	5.47	-	-	-
86 1 7	-	-	***	5.47	-	-	-
86 1 8	-	-	***	5.47	CLEAR	-	1500
TOTAL				84.94			

NOTE: * BAILED
 ** PUMPED WITH P16
 *** NITROGEN PURGE
 OUTLINE PURGED VOLUME IS THE APPROXIMATE

WELL MW11-7S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	7	10	28	16.2	-	-	-	-
86	5	15	15	50	7.1	1.3	sl cloudy	-	-
86	5	16	16	3	7.2	1.0	sl cloudy	-	-
86	5	19	9	55	7.0	1.3	sl cloudy	-	-
86	5	20	11	46	7.2	1.3	clear	-	-
86	5	20	16	34	9.0	0.5	clear	7.00	1000
86	5	21	9	22	7.8	1.0	clear	6.80	1000
86	5	21	9	50	8.6	0.7	sl cloudy	6.30	1000
86	5	22	9	1	7.6	1.0	sl cloudy	7.10	1050
86	5	22	13	21	9.0	0.7	sl cloudy	7.00	1000
86	5	22	16	44	9.3	0.3	sl cloudy	7.50	1050
86	5	23	9	37	-	1.0	sl cloudy	-	-
86	5	30	15	40	6.9	-	-	6.70	920
86	6	2	8	42	6.9	1.0	clear	-	-
86	6	2	14	57	8.5	0.5	clear	-	950
86	6	3	10	4	7.5	-	-	-	980
86	6	3	15	18	7.7	0.5	clear	-	-
86	6	4	13	15	7.3	1.0	clear	-	1200
86	6	6	15	21	7.1	-	-	-	-
86	6	9	9	52	7.3	1.3	clear	7.30	1200
86	6	10	10	31	7.2	1.0	clear	7.40	1200
						TOTAL	15.4		

WELL MW11-7D

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	15	16	18	5.7	4.5	cloudy	-	-
86	5	16	16	17	11.2	3.5	cloudy	-	-
86	5	19	10	10	9.5	3.7	sl cloudy	-	-
86	5	20	11	46	11.3	2.8	cloudy	-	-
86	5	20	16	41	19.6	1.0	cloudy	7.10	900
86	5	21	9	14	12.9	2.5	cloudy	7.00	1000
86	5	21	16	42	20.8	1.3	cloudy	6.40	1000
86	5	22	9	1	13.5	3.0	cloudy	7.30	950
86	5	22	13	21	22.1	1.3	cloudy	7.20	950
86	5	22	16	40	22.3	1.0	cloudy	-	-
86	5	23	9	43	13.1	3.0	cloudy	7.50	950
86	5	30	15	30	8.8	3.5	clear	6.40	830
86	6	2	8	34	8.7	4.3	clear	-	-
86	6	2	15	8	17.8	2.0	clear	-	920
86	6	3	10	18	10.8	3.5	clear	-	860
86	6	3	15	28	19.2	1.8	clear	-	-
86	6	4	13	23	11.0	4.0	clear	-	1100
86	6	6	15	21	8.6	-	-	-	-
86	6	9	9	44	9.0	4.0	clear	7.80	1200
86	6	10	10	45	10.6	4.0	clear	7.50	1200
						TOTAL	54.7		

WELL MW11-8S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	2	8	52	6.3	-	-	-	-
86	5	2	16	25	5.9	-	-	-	-
86	5	5	10	27	5.7	-	-	-	-
86	5	7	10	30	5.8	-	-	-	-
86	5	13	14	15	-	1.0	cloudy	-	-
86	5	13	16	20	-	0.8	cloudy	-	-
86	5	14	9	10	-	1.0	cloudy	7.61	1148
86	5	16	15	51	6.4	1.3	cloudy	-	-
86	5	19	10	13	6.7	1.3	cloudy	-	-
86	5	20	11	56	6.5	1.3	sl cloudy	-	-
86	5	20	16	20	6.8	1.3	cloudy	6.80	1150
86	5	21	9	40	6.4	1.0	cloudy	6.80	1400
86	5	21	17	4	6.3	1.0	cloudy	6.30	1400
86	5	22	8	45	6.4	1.3	v cloudy	6.90	1400
86	5	22	14	18	6.3	1.0	v cloudy	7.00	1400
86	5	22	16	53	7.0	1.0	v cloudy	-	-
86	5	23	9	30	6.3	1.0	v cloudy	7.30	1400
86	5	30	16	2	6.9	1.5	cloudy	6.50	1200

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CWM/ WELLS/ MODEL CITY 853-3051

WELL MW11-8S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	2	8	52	6.6	1.8	cloudy	-	-
86	6	2	15	16	6.8	1.5	cloudy	-	1500
86	6	3	10	45	6.5	1.5	cloudy	-	1500
86	6	3	15	36	6.8	1.3	cloudy	-	-
86	6	4	13	34	6.6	1.5	clear	-	1600
86	6	6	15	12	6.6	-	-	-	-
86	6	9	10	1	6.9	1.5	clear	7.20	2000
86	6	10	11	17	6.6	1.5	clear	7.20	2000
TOTAL						26.4			

WELL MW11-8S

WELL MW11-8D

CWM/ WELLS/ MODEL CITY 853-3051

NYSDEC OH-MS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	16	15	45	-	5.5	cloudy	-	-
86	5	19	10	25	9.2	4.0	sl cloudy	-	-
86	5	20	11	55	10.8	3.7	cloudy	-	-
86	5	20	16	15	21.4	1.5	v cloudy	7.20	680
86	5	21	9	28	12.4	3.3	v cloudy	7.20	1960
86	5	21	16	57	18.1	2.0	v cloudy	6.50	1800
86	5	22	8	45	13.0	3.0	v cloudy	7.30	840
86	5	22	14	13	20.5	1.3	v cloudy	7.30	830
86	5	22	16	53	23.6	1.0	v cloudy	-	-
86	5	23	9	21	13.1	3.0	cloudy	7.40	870
86	5	30	15	51	8.9	4.0	clear	6.80	810
86	6	2	9	4	9.3	3.8	clear	-	-
86	6	2	15	27	15.5	2.3	cloudy	-	-
86	6	3	10	32	10.8	2.8	sl cloudy	-	900
86	6	3	15	44	18.4	2.0	cloudy	-	-
86	6	4	13	44	10.8	3.8	cloudy	-	1100
86	6	6	15	13	9.2	-	-	-	-
86	6	9	10	6	9.1	4.0	clear	7.80	1200
86	6	10	11	10	-	-	-	-	-
						TOTAL	51.0		

WELL MW11-9S

CWM/ WELLS/ MODEL CITY

853-3051

NYSDEC OHMS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	4	30	15	30	5.1	-	-	-	-
86	5	1	8	25	4.9	-	-	-	-
86	5	2	8	49	5.5	-	-	-	-
86	5	2	16	30	5.1	-	-	-	-
86	5	5	10	25	5.1	-	-	-	-
86	5	7	10	24	5.2	-	-	-	-
86	5	13	14	20	-	1.3	sl cloudy	-	-
86	5	13	16	25	-	1.0	cloudy	-	-
86	5	14	9	30	-	1.5	cloudy	7.56	1680
86	5	16	16	20	6.1	1.3	sl cloudy	-	-
86	5	19	10	30	6.2	1.5	cloudy	-	-
86	5	21	17	15	6.0	1.5	sl cloudy	6.50	1300
86	5	22	8	25	5.9	1.7	sl cloudy	7.00	1300
86	5	22	14	3	6.0	1.5	sl cloudy	7.00	1300
86	5	22	17	5	6.5	1.3	sl cloudy	-	-
86	5	23	9	11	5.8	1.5	sl cloudy	7.30	1300
86	5	23	13	15	6.1	1.5	-	-	1400
86	5	30	16	40	5.9	1.3	clear	6.60	1100

CONTINUED ON NEXT PAGE

WELL MW11-9S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	6	2	9	21	6.3	1.3	clear	-	-
86	6	2	14	41	6.3	1.0	clear	-	1300
86	6	3	11	5	6.5	1.5	clear	-	1200
86	6	3	15	8	6.3	1.3	clear	-	-
86	6	4	13	5	6.2	1.3	clear	-	1600
86	6	6	14	35	6.4	-	-	-	-
86	6	9	9	33	6.7	1.5	clear	7.40	1700
86	6	10	9	46	6.7	1.5	clear	7.60	1700
TOTAL						26.3			

MSD 11-11-98

WELL MW11-9D

CWM/ WELLS/ MODEL CITY

853-3051

NYSDEC OHMS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	22	8	20	0.5	5.0	cloudy	7.70	220
86	5	22	13	58	11.4	3.0	v cloudy	7.40	340
86	5	22	17	5	15.9	2.0	v cloudy	-	-
86	5	23	8	46	9.5	4.0	v cloudy	7.10	730
86	5	23	13	10	11.8	2.3	v cloudy	-	860
86	5	30	16	27	9.0	3.3	sl cloudy	6.50	920
86	6	2	9	29	9.0	4.0	clear	-	-
86	6	2	9	49	9.0	-	cloudy	-	990
86	6	3	10	53	9.4	4.3	cloudy	-	1000
86	6	3	15	4	14.9	3.0	cloudy	-	-
86	6	4	12	58	8.9	4.3	cloudy	-	1400
86	6	6	14	36	9.4	-	-	-	-
86	6	9	9	28	9.2	4.0	clear	7.50	1400
86	6	10	10	0	9.3	4.3	clear	7.40	1400
TOTAL						43.5			

WELL P11-15

OWN/ WELLS/ MUNI CITY 0533051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	TURBIDITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
05	11	11	11	0	15.62	-	-	-	-
05	11	11	15	0	15.65	-	-	-	-
05	11	4	17	45	15.52	-	-	-	-
05	11	20	8	45	*	-	-	-	-
05	11	14	12	0	13.88	-	-	-	-
05	11	18	9	55	12.63	-	-	-	-
05	11	19	11	5	12.21	-	-	-	-
05	11	20	10	0	*	0.72	-	-	-
05	11	20	13	15	14.99	-	-	-	-
05	11	20	15	25	14.90	-	-	-	-
05	11	20	16	50	14.86	-	-	-	-
05	11	21	8	45	14.86	-	-	-	-
05	11	21	10	45	14.60	-	-	-	-
05	11	21	9	55	14.57	-	-	-	-
05	11	22	8	50	14.50	-	-	-	-
05	11	25	9	40	10.96	-	-	-	-
05	12	4	14	30	13.06	-	-	-	-
05	12	4	15	0	*	0.72	-	7.45	5250
05	12	4	15	15	*	-	-	7.4	5400
05	12	4	15	30	*	-	SL. CLOUDY	7.45	5400
05	12	5	9	50	*	-	-	-	-
						TOTAL	1.44		

NOTE: * BAILED
VOLUME PURGED VALUES ARE APPROXIMATE

WELL P11-25

(1 OF 2)

CHM/ WELLS/ MODEL CITY

053-0051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
85	11	1	15	45	15.52	-	-	-	-
85	11	4	7	55	11.25	-	-	-	-
85	11	6	8	30	9.86	-	-	-	-
85	11	6	16	0	9.66	-	-	-	-
85	11	7	8	10	8.04	-	-	-	-
85	11	14	11	48	4.46	-	-	-	-
85	11	15	14	50	3.94	-	-	-	-
85	11	18	10	0	3.77	-	-	-	-
85	11	19	11	0	3.61	-	-	-	-
85	11	20	11	30	*	0.24	-	-	-
85	11	20	13	10	14.57	-	-	-	-
85	11	20	14	10	14.34	-	-	-	-
85	11	20	15	10	14.21	-	-	-	-
85	11	20	16	45	13.98	-	-	-	-
85	11	21	8	15	12.76	-	-	-	-
85	11	21	10	25	12.60	-	-	-	-
85	11	21	13	45	12.40	-	-	-	-
85	11	21	15	50	12.27	-	-	-	-
85	11	22	8	20	11.29	-	-	-	-
85	11	25	9	35	13.06	-	-	-	-
85	11	25	13	35	*	0.24	CLAR	7.1	1400
85	11	25	14	5	14.96	-	-	-	-
85	11	25	14	20	14.63	-	-	-	-
85	11	25	15	0	14.21	-	-	-	-
85	11	25	15	10	14.14	-	-	-	-
85	11	25	15	45	14.01	-	-	-	-

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WELL P11-205
(2 OF 2)

CWM/ WELLS/ MONELL CITY 053-0051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLEARITY	pH	SPECIFIC CONDUCTANCE (uM/cm)
85	12	4	16	15	13.85	-	-	-	-
85	12	4	14	10	5.18	-	-	-	-
85	12	4	16	0	-	0.24	-	7.8	1450
85	12	4	16	10	-	-	-	7.7	1400
85	12	4	16	20	-	-	-	7.6	1400
85	12	4	16	30	0.00	-	-	7.6	1400
85	12	5	10	0	10.63	-	-	-	-
85	12	5	15	20	10.14	-	-	-	-
85	12	19	12	0	***	0.24	-	-	-
85	12	19	14	10	***	-	CLOUDY	-	-
85	12	19	15	5	***	-	CLOUDY	-	-
85	12	19	16	20	***	-	CLOUDY	-	1,900
85	12	20	10	0	***	0.24	-	-	-
85	12	20	14	30	***	-	CLOUDY	-	-
85	12	20	16	15	***	-	CLOUDY	-	-
TOTAL						1.22			

NOTE: * BAILED

*** NITROGEN PURGE

VOLUME PURGED VALUES ARE APPROXIMATE

WELL P11-4S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	7	10	10	8.8	-	-	-	-
86	5	13	14	40	-	2.0	cloudy	-	-
86	5	13	16	40	-	1.8	cloudy	-	-
86	5	14	11	15	-	2.0	cloudy	7.86	1228
86	5	15	16	35	6.7	2.0	cloudy	-	-
86	5	16	16	43	6.6	2.0	cloudy	-	-
86	5	19	10	45	6.3	2.3	cloudy	-	-
86	5	20	13	35	4.0	3.0	cloudy	-	-
86	5	21	10	50	3.9	3.3	cloudy	6.80	1000
86	5	22	14	37	3.6	3.3	cloudy	7.30	960
86	5	23	10	25	3.7	3.3	cloudy	6.90	920
86	5	27	9	22	4.1	3.0	cloudy	-	-
86	5	28	11	3	4.2	3.0	cloudy	6.40	840
86	5	29	13	15	4.8	2.8	cloudy	-	-
86	5	30	13	35	4.5	2.8	cloudy	6.90	800
86	6	2	10	27	4.3	2.5	1 cloudy	6.40	800
86	6	2	14	6	4.4	3.0	1 cloudy	-	840
86	6	3	9	4	4.5	2.8	cloudy	-	830
86	6	13	14	30	4.6	2.8	cloudy	-	980
86	6	4	14	1	4.6	2.8	cloudy	-	-
86	6	6	14	29	4.5	2.8	1 cloudy	-	-
86	6	9	9	10	4.7	3.0	1 cloudy	-	-
86	6	10	9	5	4.8	2.8	1 cloudy	7.20	1200
TOTAL						56.3			

CWM/ WELLS/ MODEL CITY 853-3051

SPECIFIC
CONDUCTANCE
($\mu\text{S}/\text{cm}$)

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	2	8	45	7.8	-	-	-	-
86	5	2	16	32	5.2	-	-	-	-
86	5	5	10	21	5.2	-	-	-	-
86	5	7	10	22	5.2	-	-	-	-
86	5	13	14	35	-	1.0	cloudy	-	-
86	5	13	16	35	-	1.0	cloudy	-	-
86	5	14	9	45	-	1.0	cloudy	7.74	1965
86	5	14	16	25	6.0	1.0	cloudy	-	-
86	5	16	16	32	6.2	1.0	cloudy	-	-
86	5	19	10	45	5.4	1.3	cloudy	-	-
86	5	20	13	43	3.5	1.7	1 cloudy	-	-
86	5	21	11	2	3.6	1.7	cloudy	6.70	1500
86	5	22	14	27	3.8	1.7	1 cloudy	7.20	1600
86	5	23	10	43	-	1.7	cloudy	6.50	1600
86	5	27	9	38	4.1	1.8	cloudy	-	-
86	5	28	11	15	4.2	1.8	clear	6.30	1500
86	5	29	13	20	4.1	1.5	clear	-	-
86	5	30	13	41	4.1	1.5	clear	6.50	1400
86	6	2	10	35	4.3	1.8	clear	6.40	1500
86	6	2	14	16	4.5	1.3	clear	-	1500
86	6	3	8	48	3.9	1.7	clear	-	1500
86	6	3	14	38	3.9	1.5	clear	-	-
86	6	4	13	51	4.3	1.5	clear	-	-
86	6	6	14	32	4.1	-	clear	-	-
86	6	9	9	19	4.2	1.8	clear	7.20	2000
86	6	10	9	29	4.3	1.5	clear	7.40	1900
TOTAL						30.8			

OCTOBER 1989

893-3805

WELL DEVELOPMENT FIELD RECORD

WELL GZR-2S

STANDING WATER COLUMN (FT) = 11.30
STANDING WELL WATER VOLUME (GAL) = 1.8

YR	MO	DA	HR-MIN	WATER LEVEL (FT TOC)	VOLUME PURGED (GAL)	pH	SPECIFIC CONDUCTANCE (umhos/cm)	TEMP. (Celsius)
1989	10	3	1515	8.70	4.0	7.06	3400	-
1989	10	4	1040	8.24	4.0	7.02	3500	12.0
1989	10	5	930	8.16	4.0	6.94	3425	12.0
1989	10	6	1350	8.08	4.0	6.80	3450	13.0
1989	10	7	1045	8.46	4.0	-	-	-

TOTAL VOLUME PURGED = 20.0 gal.

OCTOBER 1989

893-3805

WELL DEVELOPMENT FIELD RECORD

WELL GZR-1S

STANDING WATER COLUMN (FT) = 14.83
STANDING WELL WATER VOLUME (GAL) = 2.4

YR	MO	DA	HR-MIN	WATER LEVEL (FT TOC)	VOLUME PURGED (GAL)	pH	SPECIFIC CONDUCTANCE (umhos/cm)	TEMP. (Celsius)
1989	10	3	1450	7.87	3.0	7.04	1200	-
1989	10	4	1015	7.78	3.0	7.33	1350	12.0
1989	10	5	910	7.91	3.0	6.82	1300	13.0
1989	10	6	1320	7.88	3.0	6.90	1200	14.0
1989	10	7	1007	7.94	3.0	-	-	-

TOTAL VOLUME PURGED = 15.0 gal.

OCTOBER 1989

893-3805

WELL DEVELOPMENT FIELD RECORD

WELL GZR-3S

STANDING WATER COLUMN (FT) = 11.45
STANDING WELL WATER VOLUME (GAL) = 1.8

YR	MO	DA	HR-MIN	WATER LEVEL (FT TOC)	VOLUME PURGED (GAL)	pH	SPECIFIC CONDUCTANCE (umhos/cm)	TEMP. (Celsius)
1989	10	3	1522	13.55	4.0	7.77	680	-
1989	10	4	1110	14.35	3.0	7.67	690	10.0
1989	10	5	945	14.92	2.5	7.64	770	11.0
1989	10	6	1415	13.95	2.5	7.45	740	12.0
1989	10	11	930	-	4.0	-	-	-

TOTAL VOLUME PURGED = 16.0 gal.

WELL F58-1S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	15	57	4.3	1.0	clear	7.70	1500
86	7	26	13	48	4.5	1.3	clear	7.30	1900
86	7	28	15	18	4.4	1.0	clear	7.50	2100
86	7	29	14	7	4.5	1.0	clear	7.40	2400
86	7	30	10	54	4.6	1.0	clear	7.90	2400
						TOTAL	5.3		



WELL F58-1D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	16	0	5.9	3.5	cloudy	8.00	380
86	7	26	13	37	6.3	3.5	v cloudy	8.00	800
86	7	28	15	9	6.0	4.0	cloudy	8.20	1000
86	7	29	13	58	6.1	4.0	cloudy	8.10	1200
86	7	30	11	9	6.2	4.5	cloudy	8.20	1500
86	7	31	10	24	6.2	3.8	sl cloudy	8.10	1700
86	7	31	14	54	9.2	3.8	v cloudy	8.10	1700
86	8	1	13	8	6.3	4.0	sl cloudy	7.80	1900
						TOTAL	31.1		

WELL F58-2S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	15	48	6.0	1.7	clear	7.70	3500
86	7	26	13	26	4.4	1.7	clear	7.50	3500
86	7	28	15	3	3.9	1.8	clear	7.60	3600
86	7	29	13	52	4.2	2.0	clear	7.40	3600
86	7	30	10	26	4.2	2.0	clear	7.80	3700
						TOTAL	9.2		



WELL F1&2-1S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	15	21	7.1	1.3	clear	7.60	1500
86	7	26	14	21	7.1	2.0	v cloudy	7.70	1500
86	7	28	14	15	7.1	1.3	v cloudy	7.60	1500
86	7	28	16	2	7.6	2.0	v cloudy	7.70	1400
86	7	29	15	35	7.1	2.3	v cloudy	8.00	1600
86	7	31	9	37	7.4	3.0	v cloudy	7.60	1600
86	7	31	13	55	7.7	2.0	cloudy	7.90	1500
86	8	13	16	20	6.4	3.0	cloudy	7.45	1600
86	8	14	10	55	6.0	3.5	sl cloudy	8.00	1600
86	8	16	14	3	5.5	4.3	cloudy	7.50	1700
86	8	19	10	13	6.2	3.0	cloudy	7.75	1800
86	8	25	14	50	6.7	2.5	cloudy	7.55	1800
86	8	26	9	54	6.5	3.0	cloudy	7.70	1800
86	8	27	11	35	6.8	3.5	cloudy	7.60	1700
86	8	28	9	43	7.0	2.3	cloudy	7.70	1700
86	8	29	14	2	6.9	2.5	cloudy	8.10	1700
86	8	30	12	55	6.1	2.5	cloudy	7.80	1700
86	8	31	11	33	7.2	2.0	cloudy	-	-
86	9	1	12	46	7.2	2.0	cloudy	7.80	1800
86	9	2	10	8	7.3	2.0	cloudy	-	-

TOTAL 50.0

WELL F1&2-2S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	15	10	5.2	1.5	sl cloudy	7.40	10000
86	7	26	14	8	5.3	1.8	cloudy	7.00	10000
86	7	28	14	7	5.3	1.5	sl cloudy	7.30	10000
86	7	29	15	13	5.4	2.0	cloudy	7.50	10000
86	7	31	9	20	5.3	1.8	sl cloudy	6.50	10000
86	7	31	13	33	6.0	1.5	sl cloudy	7.50	10000
86	8	13	16	0	4.2	2.8	sl cloudy	6.80	10000
86	8	13	16	10	-	-	sl cloudy	7.25	10000
86	8	14	10	45	4.3	2.3	sl cloudy	7.40	10000
86	8	16	13	45	4.6	2.0	sl cloudy	7.20	10000
86	8	19	10	0	5.0	2.5	sl cloudy	7.55	10000
86	8	25	14	40	5.3	2.5	sl cloudy	7.25	10000
86	8	26	9	31	5.4	1.8	sl cloudy	7.00	10000
86	8	27	11	20	5.6	2.3	sl cloudy	6.90	10000
86	8	28	9	21	5.6	2.0	sl cloudy	6.90	10000
86	8	29	13	40	5.7	2.0	sl cloudy	7.60	10000
86	8	30	12	40	5.8	1.8	clear	7.20	10000
86	8	31	11	27	5.6	2.0	clear/s	-	-
86	9	1	12	36	5.8	2.0	clear/s	7.30	10000
86	9	2	9	33	5.8	1.8	clear/s	-	-
TOTAL						37.9			

CWM/ WELLS/ MODEL CITY 853-3051

WELL F1&2-2D

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	28	15	55	5.1	3.3	clear	8.00	310
86	7	31	9	29	5.9	2.5	clear	8.10	680
86	7	31	13	46	6.0	2.3	sl cloudy	8.60	990
86	8	16	13	52	5.8	2.5	clear	8.40	1100
86	8	26	9	41	6.0	2.8	clear	8.10	1200
86	8	27	11	22	6.1	2.8	sl cloudy	8.00	1500
86	8	28	9	27	6.1	3.0	sl cloudy	8.20	1300
86	8	29	13	47	6.3	2.8	sl cloudy	8.30	1500
86	8	30	12	35	6.2	2.5	sl cloudy	8.00	1300
86	8	31	11	19	5.9	3.0	clear	-	-
86	9	1	12	28	6.1	2.8	clear	8.10	1100
86	9	2	9	12	6.3	3.0	sl cloudy	-	-
TOTAL						33.3			

WELL F1&2-3S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	15	38	6.0	1.0	v cloudy	7.60	1700
86	7	26	14	1	6.0	1.3	v cloudy	7.50	2100
86	7	28	14	48	6.0	1.5	v cloudy	7.70	2300
86	7	29	14	16	6.2	1.7	cloudy	7.70	2600
86	7	31	10	12	6.0	2.5	v cloudy	7.70	2900
86	8	13	16	40	4.7	2.5	cloudy	7.45	2800
86	8	14	11	10	4.8	2.5	cloudy	7.65	3100
86	8	16	13	30	5.1	2.5	cloudy	7.10	3300
86	8	19	10	25	5.6	2.5	cloudy	7.65	3400
86	8	25	15	5	6.0	2.3	sl cloudy	7.60	3200
86	8	26	10	8	6.0	2.5	cloudy	7.50	3400
86	8	27	11	0	6.1	2.0	sl cloudy	7.40	3600
86	8	28	10	11	6.2	1.5	sl cloudy	7.20	3900
86	8	29	13	25	6.2	1.8	sl cloudy	6.80	3600
86	8	30	13	8	6.2	1.5	sl cloudy	7.60	3800
86	8	31	11	44	6.2	1.8	sl cloudy	-	-
86	9	1	12	52	6.2	1.7	sl cloudy	7.60	4300
86	9	2	10	37	6.4	1.5	clear	-	-
						TOTAL	34.6		

WELL FP-1S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	16	17	5.2	1.0	clear	7.60	1200
86	7	26	13	15	5.4	1.0	clear	7.60	1300
86	7	28	16	40	4.8	1.0	clear	8.00	1300
86	7	29	11	0	5.3	1.0	clear	8.10	1300
86	7	30	14	18	5.5	1.0	clear	8.10	1300
TOTAL						5.0			

WELL FP-1D

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	16	23	5.8	5.0	clear	8.00	260
86	7	27	15	55	5.9	5.0	cloudy	7.00	1500
86	7	27	-	-	-	5.0	-	7.20	1300
86	7	27	-	-	-	5.0	-	7.40	1300
86	7	27	-	-	-	5.0	-	7.50	1300
86	7	27	-	-	-	5.0	-	7.60	1300
86	7	27	-	-	-	5.0	-	7.70	1300
86	7	27	-	-	-	5.0	-	7.80	1300
86	7	27	-	-	-	5.0	-	7.80	1300

TOTAL 45.0

WELL F3-1S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	14	41	5.1	1.5	cloudy	7.60	450
86	7	26	12	57	5.1	1.8	cloudy	6.80	3700
86	7	28	10	11	5.1	2.0	v cloudy	7.80	3500
86	7	29	10	5	5.2	2.0	cloudy	7.80	3700
86	7	31	10	42	5.3	2.3	cloudy	7.80	3700
86	7	31	15	4	5.8	2.0	cloudy	7.80	3600
86	8	12	13	45	-	2.0	sl cloudy	7.20	3600
86	8	13	8	55	5.1	2.0	sl cloudy	7.35	3600
86	8	14	9	44	5.1	2.0	sl cloudy	7.40	3600
86	8	15	14	45	4.9	2.0	sl cloudy	7.45	3500

TOTAL 19.6

WELL F3-2S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	14	14	3.2	2.3	clear	7.40	2400
86	7	26	13	10	6.0	2.3	clear	7.10	2800
86	7	28	10	1	4.6	2.0	clear	7.50	2900
86	7	29	9	56	5.3	2.0	clear	7.50	3200
86	7	30	14	35	6.0	2.0	clear	7.70	3200

TOTAL 10.6

WELL F3-2D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	25	14	21	6.3	7.0	v cloudy	8.00	320
86	7	27	13	39	6.1	10.0	sl cloudy	6.80	700
86	7	27	-	-	-	10.0	-	7.30	800
86	7	27	-	-	-	5.0	-	7.85	950
86	7	27	-	-	-	5.0	-	8.00	1000
86	7	27	-	-	-	5.0	-	8.10	1000
						TOTAL	42.0		

WELL F8-1S CWM/ WELLS/ MODEL CITY 853-3051

WELL F8-1S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	18	13	56	2.2	2.5	sl cloudy	7.30	2200
86	7	21	9	18	2.7	2.3	sl cloudy	7.00	2700
86	7	22	11	43	2.8	2.5	sl cloudy	7.20	2600
86	7	23	14	16	2.8	2.3	clear	7.30	2600
86	7	24	8	24	2.9	2.5	clear	6.70	2600
86	7	25	8	28	2.7	2.5	clear	6.70	2600
86	7	28	9	2	2.5	2.5	clear	6.60	2600
86	7	29	8	18	2.6	2.5	clear	6.40	2800
86	7	30	14	55	2.5	2.5	clear	7.50	2800
TOTAL						22.1			

WELL F8-2S CWM/ WELLS/ MODEL CITY 853-3051

WELL F8-2S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	14	15	22	8.3	0.3	sl cloudy	7.3	1400
86	7	18	10	36	8.2	0.5	sl cloudy	7.3	1600
86	7	21	10	45	8.1	0.5	v cloudy	7.4	1600
86	7	22	11	24	8.1	0.5	cloudy	7.6	1500
86	7	23	15	2	8.5	0.5	cloudy	7.6	1500
86	7	24	9	6	8.3	0.5	cloudy	7.7	1500
86	7	25	9	19	8.5	0.5	cloudy	7.7	1500
86	7	28	9	44	8.5	0.7	v cloudy	7.6	1500
86	7	29	9	34	8.9	1.3	v cloudy	7.8	1700
86	7	31	11	56	9.0	0.5	cloudy	7.9	1700
86	8	1	9	31	9.1	0.3	sl cloudy	7.5	1700
						TOTAL	6.1		

WELL F8-2UD

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	14	15	27	8.8	10.0	cloudy	7.55	230
86	7	17	12	59	8.8	60.0	sl cloudy	6.90	500
86	7	17	13	52	-	60.0	clear	7.40	910
86	7	17	14	36	8.9	45.0	clear	8.00	1100
						TOTAL	175.0		

WELL F8-2LD CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	14	15	25	8.4	5.0	sl cloudy	8.20	245
86	7	17	12	59	7.7	55.0	sl cloudy	7.80	290
86	7	18	9	13	8.7	35.0	clear	6.80	1600
86.	7	18	9	59	-	35.0	clear	-	-
						TOTAL	130.0		

WELL F9-1S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	14	15	5	7.2	1.0	clear	7.05	1100
86	7	18	11	0	6.8	1.0	clear	8.10	1100
86	7	21	10	24	6.7	1.3	clear	7.60	1100
86	7	22	11	12	6.4	1.3	clear	7.70	1100
86	7	23	14	48	6.8	1.3	clear	7.80	1100
86	7	24	8	56	6.8	1.3	clear	7.70	1100
86	7	25	9	1	6.8	1.3	clear	7.70	1100
86	7	28	9	23	6.9	1.0	clear	7.80	1100
86	7	29	9	27	7.0	1.0	clear	7.60	1200
86	7	30	15	42	7.0	1.0	clear	8.10	1200
TOTAL						11.5			



WELL F9-1D

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	14	15	7	7.6	3.0	sl cloudy	8.00	430
86	7	18	10	49	7.9	3.0	sl cloudy	8.10	530
86	7	21	10	33	8.1	3.7	clear	8.00	800
86	7	22	11	17	8.1	3.0	cloudy	8.00	850
86	7	23	14	54	8.2	3.0	v cloudy	8.10	920
86	7	24	9	1	8.2	3.0	v cloudy	8.00	1000
86	7	25	9	9	8.1	3.0	v cloudy	8.00	1100
86	7	28	9	30	7.7	3.8	cloudy	8.10	1100
86	7	29	9	0	8.0	4.5	v cloudy	7.90	1300
86	7	30	16	4	8.0	3.8	clear	8.30	1300
86	7	31	11	47	8.0	3.3	clear	8.10	1400
86	7	31	15	35	8.3	5.0	v cloudy	8.20	1400
86	8	1	9	5	8.0	-	-	7.60	1500
						TOTAL	42.1		

WELL F9-2S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	18	11	8	2.9	2.0	clear	7.80	680
86	7	21	10	13	2.8	2.0	clear	7.60	700
86	7	22	11	5	3.0	2.3	clear	7.70	680
86	7	23	14	35	3.0	2.0	clear	7.80	650
86	7	24	8	44	3.0	2.0	clear	7.80	680
86	7	25	8	52	2.9	2.0	clear	7.90	680
86	7	29	8	41	2.7	2.3	clear	7.90	720
86	7	30	15	22	2.9	-	-	8.00	720

TOTAL 14.6

WELL F9-3S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	18	11	21	2.8	3.0	v cloudy	7.40	2400
86	7	21	9	43	2.4	2.8	v cloudy	7.40	1200
86	7	22	10	58	2.4	2.8	cloudy	7.70	1300
86	7	23	14	26	2.4	3.3	cloudy	7.60	1400
86	7	24	8	33	2.4	3.3	cloudy	7.50	1400
86	7	25	8	38	2.3	3.7	cloudy	7.70	1400
86	7	28	9	11	2.1	3.3	cloudy	7.60	1400
86	7	29	8	27	1.9	4.0	cloudy	7.60	1500
86	7	31	11	39	2.0	3.0	cloudy	8.00	1400
86	7	31	15	18	2.2	5.0	cloudy	8.10	1400
86	8	1	8	35	2.1	3.3	sl cloudy	6.90	1500
TOTAL						37.5			



WELL MW12-1S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	4	15	18	5.9	0.8	clear	-	-
86	9	8	9	57	4.9	1.0	sl cloudy	9.00	530
86	9	8	15	46	7.8	0.3	clear	8.00	670
86	9	12	8	26	6.2	1.0	clear	7.20	680
86	9	16	14	55	6.2	2.0	clear	7.50	800
86	9	18	13	50	7.4	2.0	clear	7.70	840
86	9	19	14	46	8.8	1.7	clear	8.00	790
86	9	20	14	47	9.2	1.3	clear	7.30	840
86	9	22	11	43	8.5	1.6	clear	7.40	820
86	9	23	14	8	9.1	1.3	clear	7.40	820
86	9	24	11	13	9.0	1.5	clear	7.50	760
TOTAL						14.5			

CWM/ WELLS/ MODEL CITY 853-3051

WELL MW12-1UD

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	8	9	3	13.4	2.1	clear	6.00	120
86	9	8	16	13	17.0	1.0	sl cloudy	6.90	360
86	9	12	8	45	13.3	2.3	cloudy	6.80	440
86	9	15	11	30	13.3	2.5	sl cloudy	8.00	600
86	9	16	14	26	13.6	2.3	cloudy	8.20	670
86	9	18	13	40	13.2	2.0	cloudy	8.50	680
86	9	19	14	2	13.4	2.6	cloudy	8.00	690
86	9	20	14	46	13.4	3.0	v cloudy	7.80	700
86	9	22	11	37	13.3	3.0	cloudy	8.10	690
86	9	23	14	4	13.3	2.5	cloudy	8.10	690
86	9	24	14	16	13.2	2.9	cloudy	8.10	650
86	9	25	14	43	13.1	2.6	cloudy	8.50	580
						TOTAL	28.8		

WELL MW12-1UD

WELL MW12-1LD

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	8	9	20	13.4	10.0	sl cloudy	6.8	310
86	9	8	9	46	-	5.0	cloudy	6.8	310
86	9	8	3	58	13.2	8.0	cloudy	6.8	370
86	9	12	8	35	13.1	8.0	cloudy	6.7	580
86	9	15	11	18	13.4	5.0	sl cloudy	7.9	470
86	9	16	10	37	13.3	10.0	sl cloudy	7.3	460
						TOTAL	46.0		

WELL MW12-2S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	26	16	22	10.1	-	-	-	-
86	9	4	14	51	8.3	0.1	clear	-	-
86	9	8	11	50	8.0	0.1	clear	7.6	1300
86	9	9	9	57	8.0	-	-	-	-
86	9	12	9	2	7.7	-	-	-	-
86	9	16	14	46	7.3	2.0	sl cloudy	7.3	1400
86	9	18	13	25	7.4	1.8	sl cloudy	7.7	1400
86	9	19	13	46	8.6	1.6	clear	7.2	1400
86	9	20	14	36	8.1	1.7	clear	7.2	1400
86	9	22	11	25	6.0	2.0	clear	7.1	1400
86	9	23	13	51	6.8	2.0	clear	7.1	1400
86	9	24	10	20	7.7	2.0	clear	7.2	1400
						TOTAL	13.3		

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WELL MW12-2UD

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	4	15	6	12.3	5.0	sl cloudy	-	-
86	9	5	13	33	12.4	30.0	cloudy	-	-
86	9	5	14	11	-	30.0	cloudy	-	-
86	9	5	15	20	-	16.0	cloudy	-	-
86	9	5	16	3	12.4	50.0	cloudy	-	-
86	9	8	10	18	12.5	10.0	sl cloudy	7.00	1600
86	9	8	10	25	-	10.0	sl cloudy	7.00	1700
86	9	8	10	32	-	10.0	clear	7.00	1700
86	9	8	10	36	-	10.0	clear	7.00	1700
86	9	9	9	2	12.7	10.0	sl cloudy	6.20	1700
86	9	9	9	10	-	10.0	clear	6.60	1700
86	9	9	9	14	-	10.0	clear	6.80	1700
86	9	12	9	15	12.6	10.0	clear	6.80	1800
86	9	12	9	18	-	5.0	sl cloudy	7.10	1800
86	9	15	11	8	12.8	5.0	clear	7.60	1900
86	9	16	14	34	12.8	10.0	clear	7.60	1900
						TOTAL	231.0		

WELL MW12-2LD CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	4	14	58	-	5.0	clear	-	-
86	9	5	9	52	12.9	30.0	sl cloudy	-	-
86	9	5	11	5	-	30.0	clear	-	-
86	9	8	11	14	13.1	10.0	clear	7.00	1600
86	9	8	11	32	-	10.0	sl cloudy	7.00	1700
86	9	9	9	27	13.1	10.0	clear	6.40	1700
86	9	9	9	38	-	10.0	sl cloudy	7.00	1800
86	9	12	9	7	13.0	8.0	clear	7.00	1900
86	9	15	10	58	12.2	5.0	clear	8.00	2000
86	9	16	13	11	13.1	10.0	clear	7.50	1900
						TOTAL	128.0		

WELL MW12-2LD

WELL MW12-3S

CWM/ WELLS/ MODEL CITY

853-3051

NYSDEC OHMS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	26	16	16	3.5	-	-	-	-
86	9	4	14	44	3.9	2.0	sl cloudy	-	-
86	9	9	10	54	4.2	1.5	cloudy	9.40	370
86	9	12	9	49	4.0	1.3	sl cloudy	8.40	360
86	9	16	10	20	4.7	1.5	sl cloudy	8.40	440
86	9	17	10	49	4.3	-	-	-	-
86	9	18	13	8	3.3	4.0	v cloudy	8.80	500
86	9	19	13	15	6.2	3.3	v cloudy	8.70	590
86	9	20	14	21	8.3	3.0	v cloudy	8.40	580
86	9	22	11	3	6.1	3.3	v cloudy	8.60	640
86	9	23	13	30	8.7	2.9	cloudy	8.50	630
86	9	24	16	30	6.9	3.2	cloudy	8.50	610
86	9	25	14	22	7.8	3.0	cloudy	9.40	595
						TOTAL	29.0		

WELL MW12-3UD CWM/ WELLS/ MODEL CITY 853-3051

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YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	11	15	25	13.9	10.0	cloudy	6.90	1200
86	9	11	15	42	-	20.0	cloudy	6.90	1200
86	9	11	16	11	-	30.0	cloudy	6.80	1100
86	9	11	16	16	-	30.0	cloudy	6.40	1000
86	9	11	16	41	-	30.0	cloudy	7.00	1000
86	9	11	16	47	-	30.0	cloudy	7.40	1000
86	9	12	9	31	14.0	15.0	cloudy	7.00	1400
86	9	15	10	52	14.1	5.0	sl cloudy	8.40	1300
86	9	16	13	35	14.0	-	-	8.00	1400

TOTAL 170.0

853 3 12 15

WELL MW12-3LD

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	8	13	26	13.6	7.0	clear	6.60	2800
86	9	9	11	7	13.8	5.0	sl cloudy	7.60	770
86	9	9	11	29	-	10.0	cloudy	7.30	1200
86	9	9	11	46	-	5.0	cloudy	7.40	1400
86	9	11	8	43	13.7	10.0	sl cloudy	6.20	1300
86	9	11	9	13	-	10.0	cloudy	6.40	1500
86	9	11	10	5	-	10.0	cloudy	7.00	1500
86	9	11	10	30	-	10.0	cloudy	7.00	1500
86	9	11	10	50	-	10.0	cloudy	6.80	1500
86	9	11	11	18	-	10.0	cloudy	7.20	1600
86	9	11	11	47	-	10.0	cloudy	7.20	1600
86	9	11	12	2	-	5.0	cloudy	7.20	1600
86	9	11	13	57	13.7	10.0	cloudy	7.00	1600
86	9	11	14	27	-	10.0	cloudy	7.00	1600
86	9	11	14	50	-	10.0	cloudy	6.80	1600
86	9	12	9	41	13.7	5.0	cloudy	7.00	1600
86	9	15	10	28	13.7	5.0	clear	7.70	1600
86	9	16	11	24	13.7	6.8	clear	7.40	1500

TOTAL 148.8

CWM/ WELLS/ MODEL CITY 853-3051

WELL MW12-4S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	26	16	6	5.0	2.5	v cloudy	7.30	2200
86	9	4	14	38	-	2.0	sl cloudy	-	-
86	9	5	9	40	7.3	1.8	sl cloudy	-	-
86	9	8	14	16	7.0	1.3	cloudy	7.30	430
86	9	10	16	15	7.9	-	-	-	-
86	9	15	9	49	5.2	2.5	clear	7.90	600
86	9	16	15	15	5.9	2.0	clear	7.80	640
86	9	17	10	37	6.0	2.0	clear	7.80	690
86	9	18	11	22	6.1	2.0	sl cloudy	8.00	680
86	9	19	11	17	7.3	1.8	clear	7.80	650
86	9	20	14	8	6.8	2.0	clear	7.60	700
86	9	22	10	40	5.6	2.0	clear	7.90	650
86	9	23	11	37	6.9	2.0	sl cloudy	7.90	720
86	9	24	8	54	7.1	1.5	clear	7.80	680
TOTAL						25.4			

WELL MW12-4D

CWM/ WELLS/ MODEL CITY

853-3051

NYSDEC OHMS Document No. 201469232-00043

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	15	9	39	14.7	2.8	clear	7.40	320
86	9	16	15	9	14.6	3.0	clear	7.90	580
86	9	17	10	37	14.5	2.8	clear	7.90	730
86	9	18	10	18	14.4	6.5	sl cloudy	7.80	850
86	9	19	11	6	14.5	3.4	clear	7.60	1210
86	9	20	14	8	14.4	3.0	clear	7.50	1400
86	9	22	10	16	14.5	4.0	clear	7.60	1500
86	9	23	10	35	14.4	4.0	clear	7.90	1500
86	9	24	8	49	14.3	4.0	clear	7.80	1600
TOTAL						33.5			

MW 12-4D

WELL MW12-5S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	26	15	58	13.2	-	-	-	-
86	9	4	14	30	12.7	-	-	-	-
86	9	16	15	30	12.0	1.0	v cloudy	7.6	540
86	9	17	10	14	13.2	0.8	v cloudy	7.9	610
86	9	18	10	5	13.8	0.5	v cloudy	7.7	600
86	9	19	11	55	14.0	0.4	v cloudy	7.6	600
86	9	20	13	48	-	0.4	cloudy	7.6	660
86	9	22	10	8	-	0.2	cloudy	-	-
86	9	23	10	57	-	0.2	cloudy	7.9	610
86	9	24	16	47	-	0.1	cloudy	8.4	610
86	9	25	14	11	16.1	0.1	cloudy	7.8	630
TOTAL						3.7			

WELL MW12-5S

WELL MW12-5D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	16	15	23	12.0	3.5	clear	7.90	310
86	9	17	10	14	12.7	3.5	clear	7.80	320
86	9	18	9	54	12.7	3.2	sl cloudy	7.70	570
86	9	19	10	45	12.6	3.2	sl cloudy	7.50	680
86	9	20	13	45	12.7	3.5	clear	7.40	1300
86	9	22	9	59	12.6	3.8	clear	7.50	1600
86	9	23	10	54	12.5	3.5	clear	7.70	1700
86	9	24	8	14	12.5	3.8	clear	7.70	1800
						TOTAL	28.0		

WELL MW12-5D

WELL MW12-6D

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	18	15	23	12.2	5.0	cloudy	8.30	320
86	9	19	10	18	13.1	3.5	v cloudy	7.90	590
86	9	20	13	38	12.7	3.0	sl cloudy	7.60	830
86	9	22	9	43	12.9	3.2	cloudy	7.80	840
86	9	23	10	39	12.6	3.0	sl cloudy	7.90	930
86	9	23	16	32	12.7	3.2	sl cloudy	8.10	1000
86	9	24	16	57	12.6	3.3	sl cloudy	8.30	1000
86	9	25	11	37	12.3	2.7	clear	8.00	1000
						TOTAL	26.9		

WELL MW12-6D

WELL MW12-7S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	26	15	49	8.6	-	-	-	-
86	9	4	14	20	8.9	-	-	-	-
86	9	8	14	50	8.9	-	-	-	-
86	9	16	15	56	8.7	3.0	v cloudy	7.90	500
86	9	17	9	21	8.7	2.5	v cloudy	7.60	480
86	9	18	14	22	-	2.5	v cloudy	8.00	470
86	9	19	10	3	8.5	2.5	v cloudy	7.80	500
86	9	20	13	17	8.6	2.8	cloudy	7.60	500
86	9	22	9	30	8.6	3.0	cloudy	7.80	500
86	9	23	10	15	8.6	2.6	cloudy	7.90	460
86	9	24	17	14	8.5	2.6	cloudy	8.50	490
86	9	25	10	57	8.5	2.8	sl cloudy	7.90	410

TOTAL 24.3

ASST MW13-1D

WELL MW12-7D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	15	9	12	11.1	2.3	clear	7.10	320
86	9	16	15	54	13.0	2.0	sl cloudy	7.70	320
86	9	17	9	13	14.4	2.0	clear	7.40	340
86	9	18	9	20	12.3	2.2	sl cloudy	7.50	410
86	9	19	9	54	12.4	2.4	sl cloudy	7.30	560
86	9	20	13	20	12.2	2.3	clear	7.20	800
86	9	22	9	22	10.3	2.5	clear	7.30	980
86	9	23	10	13	12.1	2.6	clear	7.40	1000
86	9	23	16	25	12.6	2.3	clear	8.00	1000
86	9	24	17	7	12.0	3.0	clear	8.20	1100
86	9	25	10	58	12.1	3.0	clear	8.20	1100
						TOTAL	26.6		

86-9-18

WELL MW12-8UD CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	10	13	31	11.3	5.0	cloudy	7.00	320
86	9	15	8	52	11.4	4.0	cloudy	7.00	970
86	9	17	9	0	11.2	3.5	sl cloudy	7.10	970
86	9	18	8	45	11.1	3.3	sl cloudy	7.00	1000
86	9	19	9	31	11.1	3.3	sl cloudy	7.60	1100
86	9	20	13	1	11.1	-	-	7.50	1200
86	9	22	8	56	11.1	3.8	sl cloudy	7.70	1400
86	9	23	9	44	11.1	3.7	sl cloudy	7.80	1400
86	9	24	17	27	10.9	3.7	clear	8.20	1500
86	9	25	10	20	10.7	3.6	clear	8.20	1450

TOTAL 33.9

86-09-25-10-20

WELL MW12-8LD CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL.)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	10	9	10	12.5	5.0	sl cloudy	6.80	340
86	9	10	9	40	-	15.0	v cloudy	7.40	1000
86	9	10	10	4	-	15.0	cloudy	7.50	1500
86	9	10	10	30	-	10.0	cloudy	7.40	1600
86	9	10	11	4	-	10.0	cloudy	7.00	1700
86	9	10	11	52	12.3	10.0	cloudy	7.00	1700
86	9	10	2	2	12.6	10.0	cloudy	7.00	1800
86	9	10	2	25	-	10.0	cloudy	6.60	1800
86	9	10	2	46	-	5.0	sl cloudy	6.60	1800
86	9	10	2	50	-	10.0	sl cloudy	6.60	1800
86	9	10	3	30	-	10.0	cloudy	6.90	1900
86	9	10	3	43	-	10.0	cloudy	6.60	1900
86	9	10	3	57	-	10.0	clear	6.90	1900
86	9	14	8	35	12.4	5.0	clear	6.80	2000
86	9	16	10	3	12.2	15.0	clear	6.80	2100
TOTAL						150.0			

WELL P12-1S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	16	17	0	7.9	1.3	sl cloudy	7.80	655
86	9	17	10	4	9.1	1.0	clear	7.90	680
86	9	18	14	51	9.6	0.8	clear	8.00	730
86	9	19	11	36	10.5	0.5	clear	7.80	790
86	9	20	15	42	-	0.5	clear	7.80	780
86	9	22	13	3	-	0.5	clear	7.60	850
86	9	23	11	25	-	0.4	clear	7.90	780
86	9	24	14	3	-	0.5	clear	7.80	690
TOTAL						5.5			

WELL P12-2S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	9	16	16	42	7.4	3.8	v cloudy	7.00	2000
86	9	17	9	49	7.8	3.5	v cloudy	7.30	1800
86	9	18	14	33	7.4	3.2	v cloudy	7.20	2000
86	9	19	9	15	7.6	3.0	v cloudy	6.80	2000
86	9	20	15	19	7.3	3.0	cloudy	7.00	1800
86	9	22	9	40	7.3	3.2	cloudy	7.00	1700
86	9	23	9	26	7.2	3.3	cloudy	7.00	1700
86	9	24	17	45	7.2	3.3	cloudy	7.80	1800
86	9	25	15	6	7.6	4.4	cloudy	7.60	1500
TOTAL						30.7			

WELL P12-2S

WELL TMW-15S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	14	16	38	5.4	3.5	sl cloudy	8.10	1800
86	8	18	16	35	6.0	2.0	sl cloudy	7.70	780
86	8	19	14	23	9.2	2.0	sl cloudy	8.30	780
86	8	26	13	51	5.9	2.3	clear	8.00	720
86	8	27	15	32	9.1	1.5	clear	8.10	750
86	8	28	15	51	9.9	1.3	clear	8.10	730
86	8	29	9	43	11.3	1.0	clear	8.30	770
86	8	30	10	17	10.6	1.0	clear	7.60	770
86	8	31	13	38	10.3	1.0	clear	-	-
86	9	1	10	30	10.7	1.0	clear	7.50	710
86	9	2	11	9	11.0	1.0	clear	-	-

TOTAL 17.6

CWM/ WELLS/ MODEL CITY 853-3051

WELL F9-3S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	18	11	21	2.8	3.0	v cloudy	7.40	2400
86	7	21	9	43	2.4	2.8	v cloudy	7.40	1200
86	7	22	10	58	2.4	2.8	cloudy	7.70	1300
86	7	23	14	26	2.4	3.3	cloudy	7.60	1400
86	7	24	8	33	2.4	3.3	cloudy	7.50	1400
86	7	25	8	38	2.3	3.7	cloudy	7.70	1400
86	7	28	9	11	2.1	3.3	cloudy	7.60	1400
86	7	29	8	27	1.9	4.0	cloudy	7.60	1500
86	7	31	11	39	2.0	3.0	cloudy	8.00	1400
86	7	31	15	18	2.2	5.0	cloudy	8.10	1400
86	8	1	8	35	2.1	3.3	sl cloudy	6.90	1500
TOTAL						37.5			

CWM/ WELLS/ MODEL CITY 853-3051

WELL TMW-1S

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	22	16	0	4.5	-	-	-	-
86	5	27	14	30	4.1	1.5	cloudy	6.40	5700
86	5	28	14	30	3.1	1.5	clear	6.50	7000
86	5	29	9	52	4.2	1.8	1 cloudy	-	-
86	5	30	8	41	4.3	2.0	clear	6.40	5300
86	6	12	16	25	4.4	-	-	-	-
86	6	13	16	23	4.5	-	-	-	-
86	6	11	16	0	2.9	-	-	-	-
86	7	7	14	33	4.4	1.3	cloudy	7.10	7000
86	7	8	14	43	4.6	1.8	1 cloudy	6.90	7450
86	7	9	10	20	4.6	1.8	1 cloudy	6.95	7450
86	7	10	10	50	5.0	1.5	1 cloudy	6.90	7350
86	7	11	9	45	4.7	1.3	1 cloudy	-	-
86	7	14	10	30	4.6	1.0	clear	6.85	6400
86	7	15	13	45	4.7	1.5	1 cloudy	6.80	5950
86	7	16	10	0	4.6	1.0	clear	7.00	6400
86	7	23	9	49	4.4	1.3	clear	7.20	6300
86	7	24	10	49	4.0	1.5	clear	7.40	6200
						TOTAL	20.8		

WELL TMW-2S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	22	-	-	10.9	-	-	-	-
86	5	28	14	30	8.1	2.3	1 cloudy	6.10	960
86	5	29	10	22	8.5	1.8	1 cloudy	-	-
86	6	2	16	28	8.4	-	-	-	-
86	6	6	15	48	8.2	-	-	-	-
86	6	9	13	57	8.2	2.0	clear	7.30	1300
86	6	11	16	28	8.2	-	-	-	-
86	7	10	15	25	14.0	-	-	-	-
86	7	11	13	45	13.7	-	-	-	-
86	7	14	13	20	12.6	0.3	clear	7.15	1200
86	7	15	16	0	12.4	0.3	clear	7.50	1200
86	7	16	16	34	13.0	-	-	-	-
86	7	21	13	19	13.2	0.1	clear	6.80	1200
86	7	23	9	15	13.1	-	-	7.60	1200
86	7	31	10	36	13.1	-	-	-	-
86	8	12	14	30	10.9	4.0	clear	7.45	1150
TOTAL						10.8			

WELL TMW-3S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	5	22	-	-	6.3	-	-	-	-
86	5	28	15	55	4.5	-	-	-	-
86	6	11	16	42	4.3	-	-	-	-
86	7	10	15	40	5.0	2.8	1 cloudy	6.80	2000
86	7	11	13	17	5.5	2.8	cloudy	-	-
86	7	23	9	43	5.1	2.8	clear	7.40	1900
86	7	28	13	26	5.0	3.0	clear	7.50	1800
86	7	29	11	50	5.5	3.0	clear	7.40	1900
86	7	30	11	20	5.7	2.5	clear	7.60	1900
TOTAL						16.9			

AS 10 15 1000

REF 100-37

WELL TMW-3D

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	10	15	42	6.8	3.3	cloudy	8.10	315
86	7	11	13	19	10.5	2.8	cloudy	-	-
86	7	23	9	33	7.0	4.0	clear	7.90	2400
86	7	28	13	34	7.1	4.0	clear	7.80	2200
86	7	29	11	46	9.9	3.3	clear	8.10	2200
86	7	30	11	35	10.1	-	-	8.00	2300
TOTAL						17.4			

AS PER NY DEC 1986

REC- 13-42

WELL TP-4S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	7	10	16	0	5.1	2.0	clear	6.70	2950
86	7	11	13	35	7.8	1.5	clear	-	-
86	7	14	16	20	5.3	2.0	clear	6.95	3000
86	7	15	16	20	7.3	1.5	clear	7.40	3100
86	7	16	16	25	8.0	1.0	clear	6.90	3000
86	7	23	9	25	5.3	2.3	clear	7.50	3000
86	7	28	11	13	5.1	2.3	1 cloudy	7.80	3000
86	7	29	11	34	7.3	1.3	clear	7.60	3200
86	7	30	13	27	8.0	1.3	clear	7.50	3200
TOTAL						15.2			

CWM/WELLS/MODEL CITY

853-3056

DEVELOPMENT DATA
WELL TMW-30D

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
88	10	21	--	--	12.2	10	v. cloudy	8.2	790
88	10	22	--	--	12.2	11	v. cloudy	8.5	890
88	10	24	--	--	12.2	10	cloudy	8.2	1000
88	10	25	--	--	12.2	9	sl. cloudy	8.1	1000
TOTAL						40			

March 1987

853-3051

- Notes: 1. Waterlevels measured from top of casing.
 2. Clarity Legend
 sl cloudy - slightly cloudy
 l cloudy - little cloudy
 v cloudy - very cloudy
 /s - frothy
 /o - odor.

WELL TMW-17S

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	10	1	---	---	14.8	2.7	CLEAR/O	6.66	6200
86	10	2	---	---	16.83	1.0	CLEAR/O	6.6	6810
86	10	7	---	---	14.8	1.7	CLEAR/O	6.31	6470
86	10	9	---	---	15.75	1.0	CLEAR/O	6.33	3760
86	11	12	---	---	7.87	3.3	CLEAR/O	6.7	7530
86	11	14	---	---	11.25	3.0	CLEAR/O	6.63	8010
86	11	25	---	---	7.5	3.5	CLEAR/O	6.25	5970
						TOTAL	16.2		

Note: Purged volume contained 60 to 80 % water and 20 to 40 % black oil.
Oil was more dense than the water and settled. The water portion was clear.

853-3051-102



WELL TMW-15D CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	14	16	30	3.1	4.5	sl cloudy	8.50	300
86	8	18	16	30	3.3	4.0	sl cloudy	7.60	650
86	8	19	14	15	8.8	3.5	cloudy	8.25	910
86	8	26	13	41	3.3	4.3	clear	8.00	950
86	8	27	15	24	7.7	4.0	cloudy	8.10	1000
86	8	28	15	43	8.5	3.5	cloudy	7.60	1000
86	8	29	9	40	11.3	2.7	cloudy	8.30	1000
86	8	30	10	10	7.6	3.3	sl cloudy	7.00	1000
86	8	31	13	34	7.1	3.3	sl cloudy	-	-
86	9	1	10	21	9.0	3.0	sl cloudy	7.30	950
86	9	2	11	10	8.2	3.0	sl cloudy	-	-
						TOTAL	39.1		

FILED IN 853-3051



WELL TMW-14S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	14	17	0	5.0	1.8	sl cloudy	8.50	500
86	8	18	16	17	7.8	0.5	clear	7.45	470
86	8	19	14	45	9.9	0.5	clear	8.15	450
86	8	26	13	18	6.7	1.0	clear	7.60	460
86	8	27	15	40	9.6	0.5	clear	8.10	470
86	8	28	16	6	9.7	0.3	clear	8.00	460
86	8	29	9	56	10.0	-	-	8.40	500
86	8	30	10	2	9.9	0.1	clear	6.40	640
86	9	3	9	4	9.1	0.8	clear	8.10	560
TOTAL						5.5			

APR 1987



WELL TMW-12S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	14	15	20	3.7	2.0	sl cloudy	8.00	850
86	8	18	14	40	5.7	1.3	clear	7.70	920
86	8	19	13	25	8.5	1.0	clear	8.40	1000
86	8	26	11	25	5.4	1.5	clear	7.80	900
86	8	27	15	53	6.9	1.0	clear	7.90	950
86	8	28	16	12	8.8	0.5	clear	7.90	950
86	8	29	10	1	9.0	0.3	clear	8.10	950
86	8	30	11	27	9.0	0.3	clear	8.00	930
86	9	3	9	50	8.2	1.0	clear	8.10	960

TOTAL 8.9



CWM/WELLS/MODEL CITY

853-3056

DEVELOPMENT DATA
WELL TMW-90

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
88	5	9	0	30	13.2	10	v. cloudy	8.4	500
88	5	10	1	0	13.3	10	v. cloudy	8.2	900
88	5	11	1	30	13.3	10	v. cloudy	8.1	1050
88	5	12	1	0	13.3	10	v. cloudy	8.2	1080
88	5	24	1	0	13.2	4	cloudy	8.0	1020
88	5	25	1	0	13.1	4	sl. cloudy	7.8	960
88	5	25	0	40	13.2	4	sl. cloudy	7.8	1150
88	6	4	1	30	13.3	4	clear	7.6	1090
TOTAL						56			



WELL TMW-10S CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	14	15	50	9.6	2.8	cloudy	8.00	2150
86	8	18	15	47	9.5	2.0	cloudy	6.70	1800
86	8	19	13	50	9.7	3.0	cloudy	7.40	1800
86	8	26	10	55	9.5	2.7	cloudy	7.30	1800
86	8	27	13	39	9.3	3.0	cloudy/o	7.40	1900
86	8	28	14	23	9.6	3.0	cloudy/o	7.60	1700
86	8	29	8	22	9.9	1.7	sl cloudy/o	6.60	1800
86	8	30	10	40	10.0	1.5	clear	6.80	1700
86	8	31	13	55	10.0	1.5	clear	-	-
86	9	01	10	53	10.0	1.5	clear	6.90	1700
86	9	2	14	40	9.8	-	-	-	-

TOTAL 22.7

2014 853-3051



WELL TMW-8D

CWM/ WELLS/ MODEL CITY

853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	pH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	14	15	0	7.2	3.5	cloudy	8.40	320
86	8	18	14	0	7.1	2.8	sl cloudy	7.80	420
86	8	19	13	0	7.3	3.5	clear	8.20	620
86	8	26	11	34	7.1	3.3	clear	7.90	860
86	8	27	14	31	7.1	3.5	clear	7.90	1000
86	8	28	13	50	7.7	3.3	clear	7.30	1100
86	8	29	8	51	7.9	3.7	clear	7.80	1300
86	8	30	11	5	7.5	3.7	clear	7.80	1300
86	8	31	14	16	7.6	3.8	clear	-	-
86	9	1	11	12	7.8	3.5	clear	8.10	1100
86	9	2	13	45	8.0	4.0	clear	-	-

TOTAL 38.6

FILED 8-22-86



WELL TMW-7S

CWM/ WELLS/ MODEL CITY 853-3051

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	PH	SPECIFIC CONDUCTANCE (uS/cm)
86	8	14	14	40	5.8	2.5	cloudy	7.75	1800
86	8	18	13	42	5.6	2.0	cloudy	7.20	2200
86	8	19	10	40	6.6	2.5	cloudy	7.60	2600
86	8	25	15	20	5.8	2.8	cloudy	7.40	2800
86	8	26	10	34	5.9	2.5	v cloudy	7.90	2800
86	8	27	13	7	6.9	2.5	cloudy	6.80	3000
86	8	28	10	24	7.5	2.3	cloudy	6.80	3000
86	8	29	14	16	7.3	2.0	cloudy	7.90	3000
86	8	30	13	31	7.6	2.0	cloudy	7.40	3100
86	8	31	11	53	7.7	2.0	cloudy	-	-
86	9	1	11	28	7.6	2.0	cloudy	7.40	3400
86	9	3	10	27	7.3	2.3	sl cloudy	7.30	3300
						TOTAL	27.4		

NETT 444-00

WELL TMW-21S

WELL INVESTIGATIONS

WELL DEVELOPMENT SUMMARY
MODEL CITY

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	Ph	SPECIFIC CONDUCTANCE (uS/cm)
88	10	04	17	25	-	0.3	Soap suds in water	7.35	2050
88	10	06	14	50	-	0.5	Slightly cloudy	7.28	1950
88	10	10	11	35	16.22	0.8	Slightly cloudy	7.30	1900
88	10	12	14	25	15.75	1.0	Clear, suds in water	7.28	1900
88	10	24	10	50	11.65	3.5	Slightly cloudy	7.40	1900
TOTAL						6			

WELL TMW-24S

WELL INVESTIGATIONS

WELL DEVELOPMENT SUMMARY
MODEL CITY

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	Ph	SPECIFIC CONDUCTANCE (uS/cm)
88	10	14	11	10	-	1.0	Turbid	7.16	1420
88	10	15	11	50	-	0.8	Clear	7.10	1500
88	10	20	17	35	13.32	1.0	Clear	7.11	1550
88	10	24	12	25	10.42	1.5	Clear	7.24	1800
TOTAL						4.3			(spec. cond. rechecked 2nd = 1800 also)

WELL INVESTIGATIONS

WELL TMW-25S

WELL DEVELOPMENT SUMMARY
MODEL CITY

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	Ph	SPECIFIC CONDUCTANCE (uS/cm)
88	10	13	9	00	-	9.0	Water is cloudy	6.96	1100
88	10	13	11	30	-	6.0	Water is cloudy	7.31	920
88	10	14	9	30	11.27	10.0	Slightly cloudy	7.29	1600
88	10	24	16	20	9.32	5.0	Slightly cloudy	7.27	1200
TOTAL						30			

WELL TMW-26S

WELL INVESTIGATIONS

WELL DEVELOPMENT SUMMARY
MODEL CITY

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	Ph	SPECIFIC CONDUCTANCE (uS/cm)
88	10	15	11	15	-	5.0	V. turbid	7.34	1850
88	10	18	17	30	5.83	10.0	Turbid cloudy	7.50	1800
88	10	19	17	05	6.12	9.0	Slightly turbid	7.49	1800
88	10	25	8	40	-	6.5	Slightly cloudy	7.40	1800
TOTAL						30.5			

WELL TMW-27S

WELL INVESTIGATIONS

WELL DEVELOPMENT SUMMARY
MODEL CITY

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	Ph	SPECIFIC CONDUCTANCE (uS/cm)
88	10	03	16	25	-	4.0	Slightly cloudy to clear	7.16	1400
88	10	04	17	00	7.93	3.5	Noted soap suds in water	7.36	1900
88	10	06	14	20	7.22	4.0	Slightly cloudy	7.40	1850
88	10	10	11	10	7.06	5.5	Slightly cloudy, suds in water	7.48	1825
88	10	12	14	20	6.80	4.0	Slightly cloudy, suds in water	7.33	1980
88	10	24	15	30	6.02	4.0	Clear	7.59	1600
TOTAL						25			



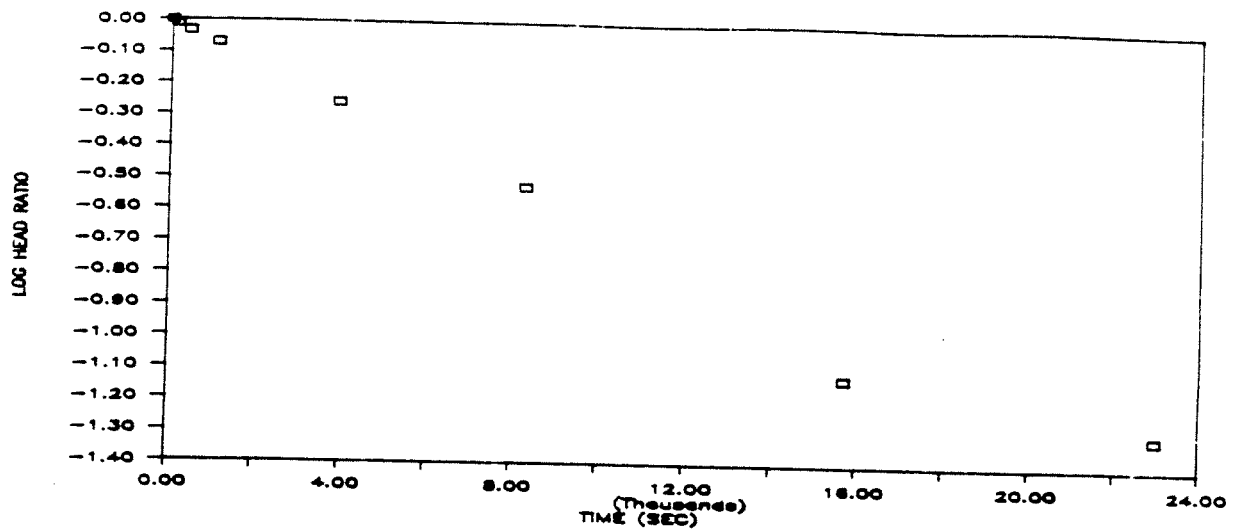
WELL TMW-29S

WELL INVESTIGATIONS

WELL DEVELOPMENT SUMMARY
MODEL CITY

YR	MO	DA	HOURS	MINUTES	WATER LEVEL (FT)	VOLUME PURGED (GAL)	CLARITY	Ph	SPECIFIC CONDUCTANCE (uS/cm)
88	10	14	16	25	-	3.0	Turbid	7.46	1300
88	10	15	11	40	7.92	3.0	Clear, suds in water	7.61	1320
88	10	20	17	45	7.43	3.0	Clear	7.61	1380
88	10	24	11	50	7.13	3.0	Clear	7.70	1400
TOTAL						12			

APPENDIX B-3
WATER LEVEL RECOVERY DATA



DATE= 6/12/86
 DEPTH TO WATER= 5.20 FEET
 CASING DIAMETER= 2.00 INCHES
 SAND DIAMETER= 7.00 INCHES
 OPEN INTERVAL= 7.50 FEET

DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	10	41	0	0	9.20	4.00	1.00	0
1	10	43	0	120	9.10	3.90	0.98	-0.01099
1	10	48	0	420	8.90	3.70	0.93	-0.03385
1	10	59	0	1080	8.60	3.40	0.85	-0.07058
1	11	46	0	3900	7.40	2.20	0.55	-0.25963
1	12	59	0	8280	6.40	1.20	0.30	-0.52287
1	15	3	0	15720	5.50	0.30	0.07	-1.15493
1	17	4	0	22980	5.40	0.20	0.05	-1.30102

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$\lambda = 6.63E-06 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS WELL NO. BW-1S
DRAWN DGB	DATE 12/3/86	
CHECKED DTM	DWG. NO.	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC

FIGURE

March 1987

853-3051

APPENDIX C

EXAMPLE HYDRAULIC CONDUCTIVITY CALCULATION

Formula (from Hvorslev 1951)

$$K = \frac{r^2}{2L} \times \ln (L/R) \times \frac{\ln (h_1/h_2)}{(t_2 - t_1)}$$

for Well Number BW-1S:

- r = Radius of Standpipe = 2.54 cm
 L = Open Interval (Sandpack Length) = 228.6 cm
 R = Radius of Intake Point (Sandpack Radius) = 8.89 cm.
 h_1 = Unrecovered Head at Time t_1 = 103.6 cm
 h_2 = Unrecovered head at Time t_2 = 336.6 cm
 t_1 = Start Time of Best-fit Line on Log Head versus Time Plot = 1080 sec
 t_2 = End Time of Best-fit Line on Log Head versus Time Plot = 8280 sec

Note: Time and unrecovered head values used in hydraulic conductivity calculations were chosen from points representing the best-fit line on log head ratio versus time plot (i.e., exponential decay of recovery with time). Early readings taken immediately after air purging were not considered, since they may have been affected by after dripping down the standpipe.

$$K = \frac{(2.54)^2}{(2 \times 228.6)} \times \ln (228.6/8.89) \times \frac{\ln (103.6/336.6)}{(8280 - 1080)}$$

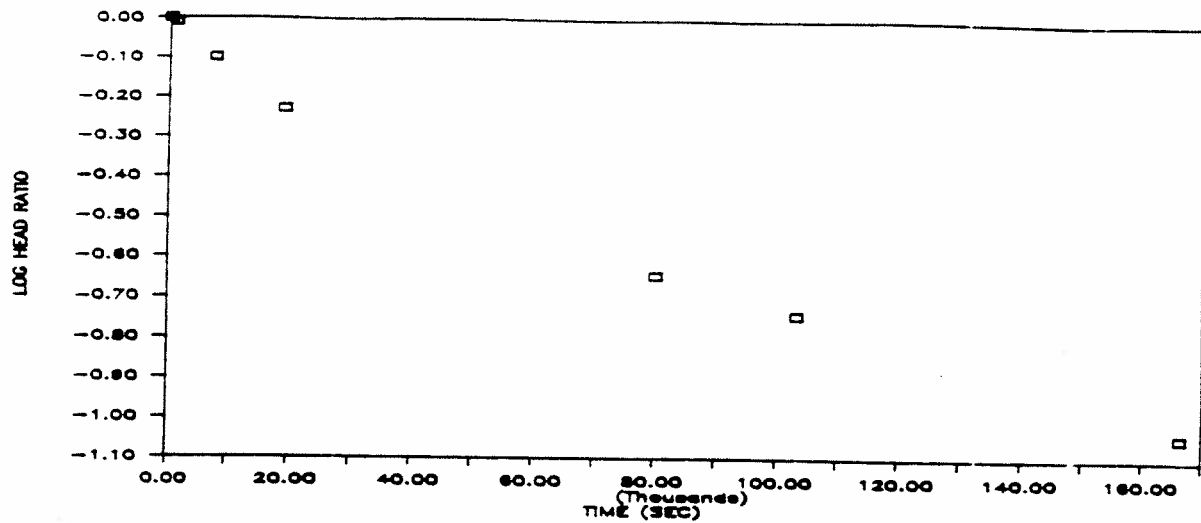
$$K = 6.63 \times 10^{-6} \text{ cm/sec}$$

BOSTONIAN CHA PLATON

BOSTONIAN CHA

BOSTONIAN CHA

BOSTONIAN CHA



DATE= 6/11/86
 DEPTH TO WATER= 4.20 FEET
 CASING DIAMETER= 2.00 INCHES
 SAND DIAMETER= 7.00 INCHES
 OPEN INTERVAL= 3.00 FEET

DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)		HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS						
1	11	34	0	0	8.60	4.40	1.00		0
1	11	38	0	240	8.60	4.40	1.00		0
1	11	53	0	1140	8.50	4.30	0.98		-0.00998
1	13	43	0	7740	7.70	3.50	0.80		-0.09938
1	16	52	0	19080	6.80	2.60	0.59		-0.23847
2	9	50	0	80160	5.20	1.00	0.23	*	-0.64345
2	16	17	0	103380	5.00	0.80	0.18		-0.74036
3	9	48	0	166440	4.60	0.40	0.09	*	-1.24139

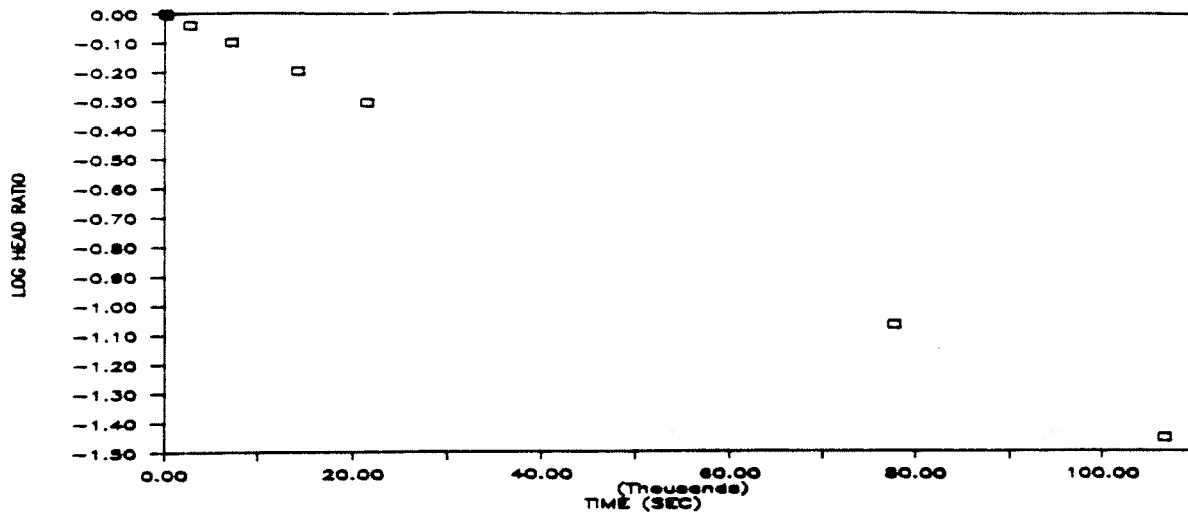
NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 4.28E-07 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS WELL NO. BW-2S
DRAWN DGB	DATE 12/3/86	
CHECKED <i>DTM</i>	DWG. NO.	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC

FIGURE



DATE= 6/12/86
 DEPTH TO WATER= 6.10 FEET
 CASING DIAMETER= 2.00 INCHES
 SAND DIAMETER= 7.00 INCHES
 OPEN INTERVAL= 5.00 FEET

DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	11	4	0	0	26.00	19.90	1.00	0
1	11	7	0	180	25.80	19.70	0.99	-0.00438
1	11	50	0	2760	24.20	18.10	0.91	-0.04117
1	13	3	0	7140	21.90	15.80	0.79	* -0.10019
1	15	0	0	14160	18.70	12.60	0.63	-0.19848
1	17	2	0	21480	15.90	9.80	0.49	-0.30762
2	8	39	0	77700	7.80	1.70	0.09	-1.06840
2	16	43	0	106740	6.80	0.70	0.04	* -1.40375

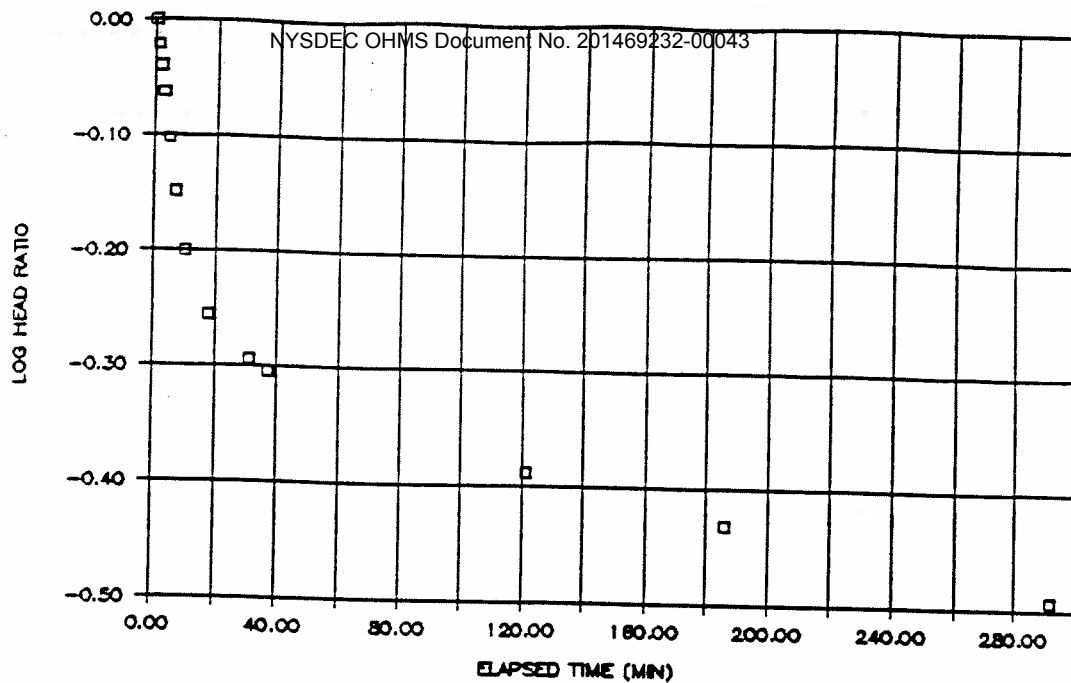
NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 1.88E-06 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALY WELL NO. BW-1D
DRAWN DGB	DATE 12/3/86	
CHECKED DJM	DWG. NO.	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC

FIGURE 2000



DATE OF TEST : 10/10/88

STATIC WATER DEPTH= 7.06 FEET BELOW TOC

STANDPIPE DIAMETER= 2.00 INCHES

SANDPACK DIAMETER= 6.00 INCHES

TOP OF SATURATED SAND= 9.50 FEET BELOW TOC

BOTTOM OF SANDPACK= 21.30 FEET BELOW TOC

24 HOUR CLOCK			ELAPSED	DEPTH TO	HEAD	HEAD	LOG
HR	MIN	SEC	TIME	WATER	HEAD	RATIO	HEAD
			(MIN)	(FT TOC)	(FEET)	(H/Ho)	RATIO
11	19	15	0.00	19.64	-12.58	1.000	0.0000
11	20	10	0.92	19.03	-11.97	0.952	-0.0216
11	21	0	1.75	18.53	-11.47	0.912	-0.0401
11	22	0	2.75	17.95	-10.89	0.866	-0.0627
11	23	52	4.62	17.00	-9.94	0.790	-0.1023
11	26	10	6.92	16.00	-8.94	0.711	-0.1483
11	29	25	10.17	15.00	-7.94	0.631	-0.1999
11	37	15	18.00	14.05	-6.99	0.556	-0.2552
11	50	22	31.12	13.45	-6.39	0.508	-0.2942
11	56	0	36.75	13.30	-6.24	0.496 *	-0.3045
13	20	30	121.25	12.21	-5.15	0.409	-0.3879
14	25	0	185.75	11.72	-4.66	0.370 *	-0.4313
16	11	0	291.75	11.10	-4.04	0.321	-0.4933

NOTES:

- 1) * INDICATES THE BEST FIT LINE PASSES THROUGH THESE POINTS WHICH ARE USED TO CALCULATE HYDRAULIC CONDUCTIVITY

K= 1.13E-06 CM/SEC

**Golder Associates**

Atlanta, Georgia

CLIENT/PROJECT

CHEMICAL WASTE MANAGEMENT INC.

TITLE

**RECOVERY TEST RESULTS AND
ANALYSIS WELL TMW-27S**

DATE 7/11/89

SCALE AS SHOWN

JOB NO. 863-3058

DRAWN CB

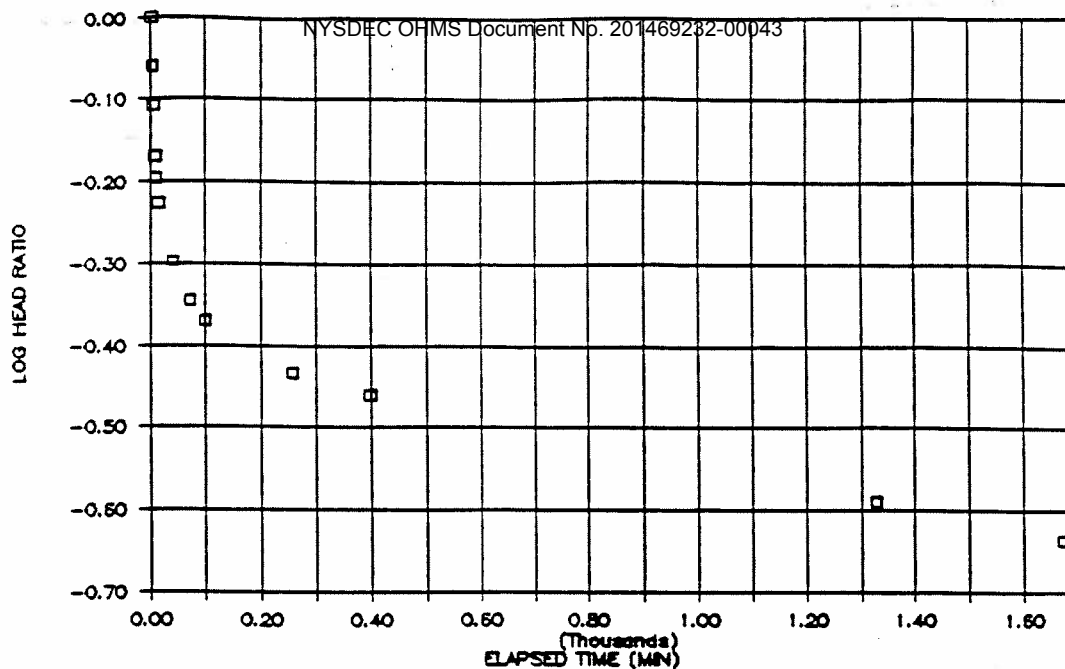
CHECKED CB

REVIEWED

FILE NO.

DWG. NO. / REV. NO.

DATE



DATE OF TEST : 10/24/88
 STATIC WATER DEPTH= 11.65 FEET BELOW TOC
 STANDPIPE DIAMETER= 2.00 INCHES
 SANDPACK DIAMETER= 6.00 INCHES
 TOP OF SATURATED SAND= 11.65 FEET BELOW TOC
 BOTTOM OF SANDPACK= 21.15 FEET BELOW TOC

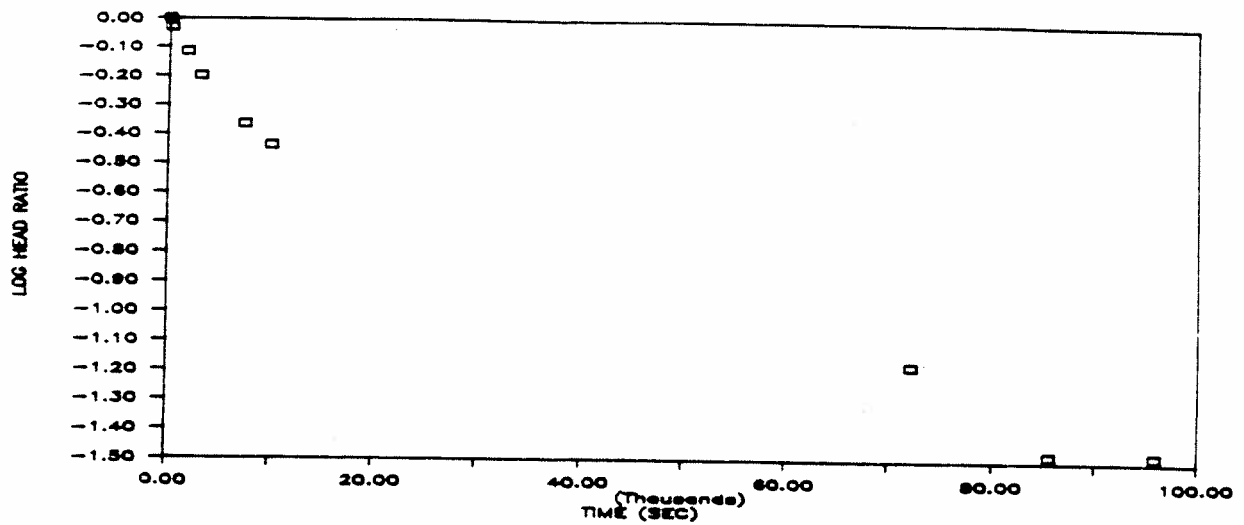
24 HOUR CLOCK			ELAPSED TIME	DEPTH TO WATER	HEAD	HEAD RATIO	LOG HEAD RATIO
HR	MIN	SEC	(MIN)	(FT TOC)	(FEET)	(H/H ₀)	
11	0	40	0.00	18.93	-7.28	1.000	0.0000
11	2	30	1.83	18.00	-6.35	0.872	-0.0594
11	4	31	3.85	17.33	-5.68	0.780	-0.1078
11	7	20	6.67	16.59	-4.94	0.679	-0.1684
11	9	20	8.67	16.29	-4.64	0.637	-0.1956
11	13	45	13.08	15.98	-4.33	0.595	-0.2256
11	39	10	38.50	15.32	-3.67	0.504	-0.2975
12	10	20	69.67	14.93	-3.28	0.451	-0.3463
12	38	10	97.50	14.75	-3.10	0.426	-0.3708
15	17	0	256.33	14.33	-2.68	0.368 *	-0.4340
17	38	0	397.33	14.17	-2.52	0.346	-0.4607
33	10	0	1329.33	13.52	-1.87	0.257	-0.5903
38	56	0	1675.33	13.33	-1.68	0.231 *	-0.6368

NOTES:

- 1) * INDICATES THE BEST FIT LINE PASSES THROUGH THESE POINTS WHICH ARE USED TO CALCULATE HYDRAULIC CONDUCTIVITY

K = 2.22E-07 CM/SEC

 Golder Associates Atlanta, Georgia			TITLE RECOVERY TEST RESULTS AND ANALYSIS - WELL TMW-21S		
CLIENT/PROJECT CHEMICAL WASTE MANAGEMENT INC.			DATE 7/11/89		
DRAWN CB			SCALE AS SHOWN		
CHECKED CB			JOB NO. 883-3056		
REVIEWED ALG			FIGURE		



DATE= 6/10/86
 DEPTH TO WATER= 5.30 FEET
 CASING DIAMETER= 2.00 INCHES
 SAND DIAMETER= 7.00 INCHES
 OPEN INTERVAL= 6.50 FEET

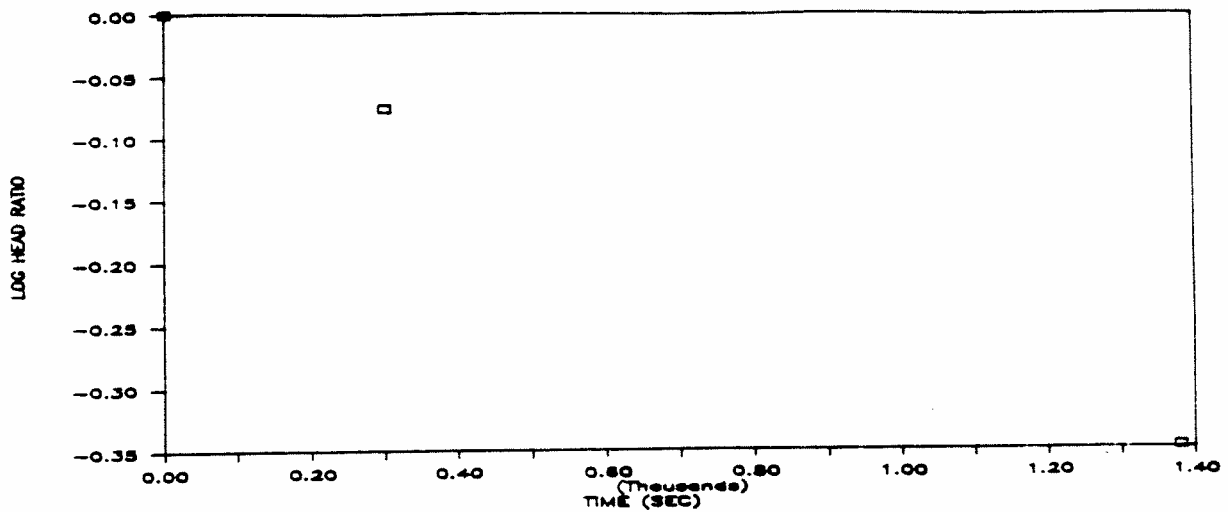
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	14	8	0	0	8.30	3.00	1.00	0
1	14	11	0	180	8.10	2.80	0.93	-0.02996
1	14	38	0	1800	7.60	2.30	0.77	-0.11539
1	15	0	0	3120	7.20	1.90	0.63	-0.19836
1	16	12	0	7440	6.60	1.30	0.43	-0.36317
1	16	55	0	10820	6.40	1.10	0.37	-0.43572
2	10	12	0	72240	5.50	0.20	0.07	-1.17609
2	13	55	0	85620	5.40	0.10	0.03	-1.47712
2	16	47	0	95940	5.40	0.10	0.03	-1.47712

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 1.38E-06 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86		
CHECKED DTM	DWG. NO.		
Golder Associates		WELL NO. BW-3S	FIGURE
		CHEMICAL WASTE MANAGEMENT, INC	



DATE= 6/11/86
 DEPTH TO WATER= 6.20 FEET
 CASING DIAMETER= 2.00 INCHES
 SAND DIAMETER= 7.00 INCHES
 OPEN INTERVAL= 6.90 FEET

DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	*	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS						
1	11	32	0	0	19.80	13.60	1.00	*	0
1	11	37	0	300	17.60	11.40	0.84	*	-0.07663
1	11	55	0	1380	12.30	6.10	0.45	*	-0.34820

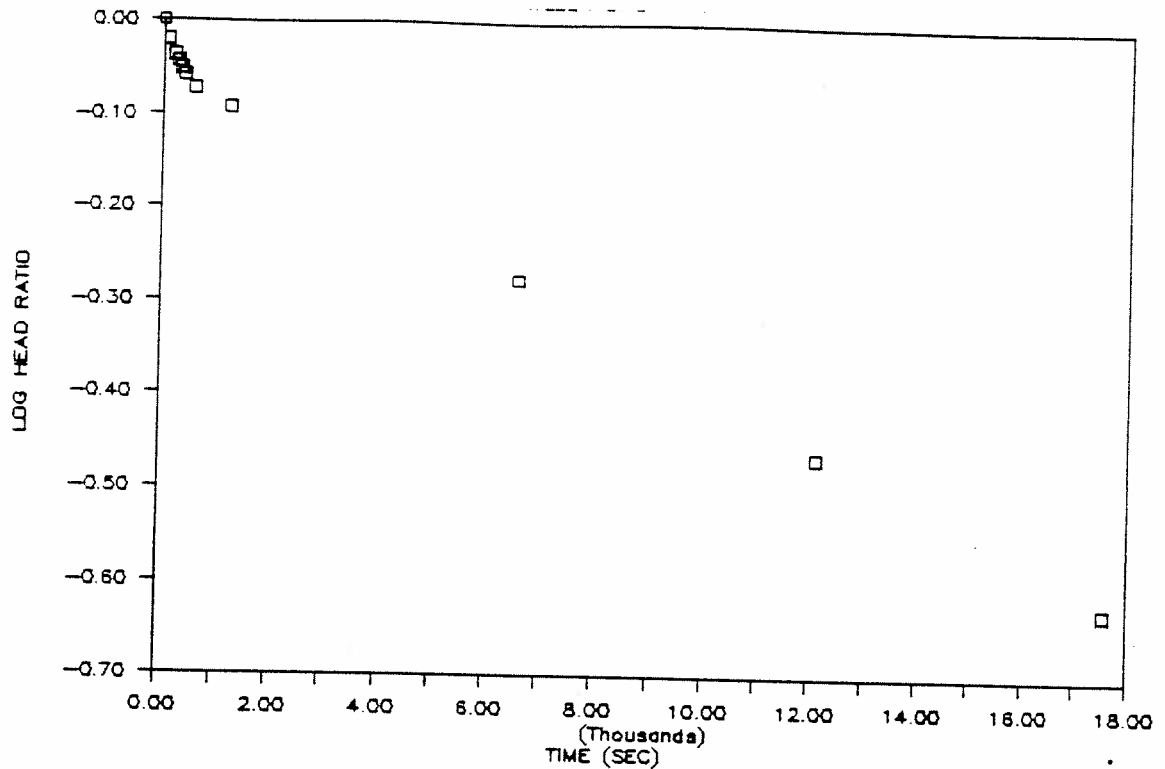
NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 2.82E-05 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS WELL BW-2D	
DRAWN DGB	DATE 12/3/86		
CHECKED <i>DJM</i>	DWG. NO.	CHEMICAL WASTE MANAGEMENT, INC	
Golder Associates			
		FIGURE	

AF 20440A-B



DATE= 88-01-27
 DEPTH TO WATER= 5.97 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 9.2 FEET

DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	9	43	30	0	12.06	6.09	1.00	0
1	9	45	0	90	11.78	5.81	0.95	-0.02044
1	9	47	0	210	11.56	5.59	0.92	-0.03720
1	9	48	0	270	11.47	5.50	0.90	-0.04425
1	9	49	0	330	11.38	5.41	0.89	-0.05142
1	9	50	0	390	11.29	5.32	0.87	-0.05870
1	9	53	0	570	11.12	5.15	0.85	-0.07291
1	10	4	0	1230	10.89	4.92	0.81	-0.09265
1	11	33	30	6600	9.19	3.22	0.53 *	-0.27676
1	13	6	0	12150	8.06	2.09	0.34	-0.46447
1	14	36	30	17580	7.41	1.44	0.24 *	-0.62625

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

K= 3.2E-06 CM/SEC

JOB NO.	853-3047	SCALE	AS SHOWN
DRAWN	DJM	DATE	1/29/88
CHECKED		DWG. NO.	

RECOVERY TEST RESULTS AND ANALYSIS

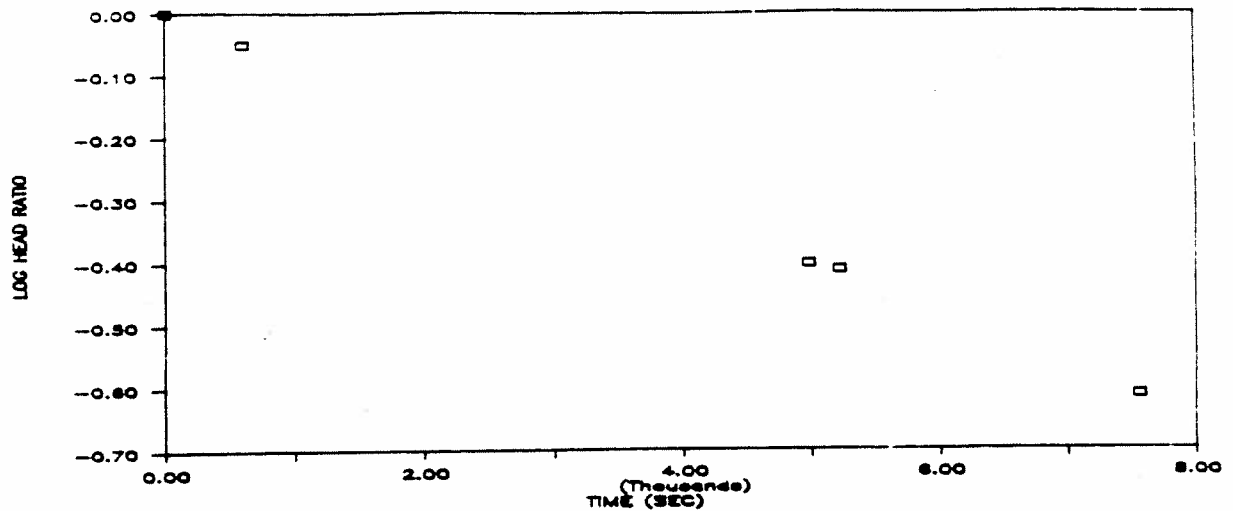
WELL NO. BW-4S

Golder Associates

CHEMICAL WASTE MANAGEMENT INC.

FIGURE

EG&F DRAFTING MEDIA



DATE= 6/10/86
 DEPTH TO WATER= 4.50 FEET
 CASING DIAMETER= 2.00 INCHES
 SAND DIAMETER= 7.00 INCHES
 OPEN INTERVAL= 12.30 FEET

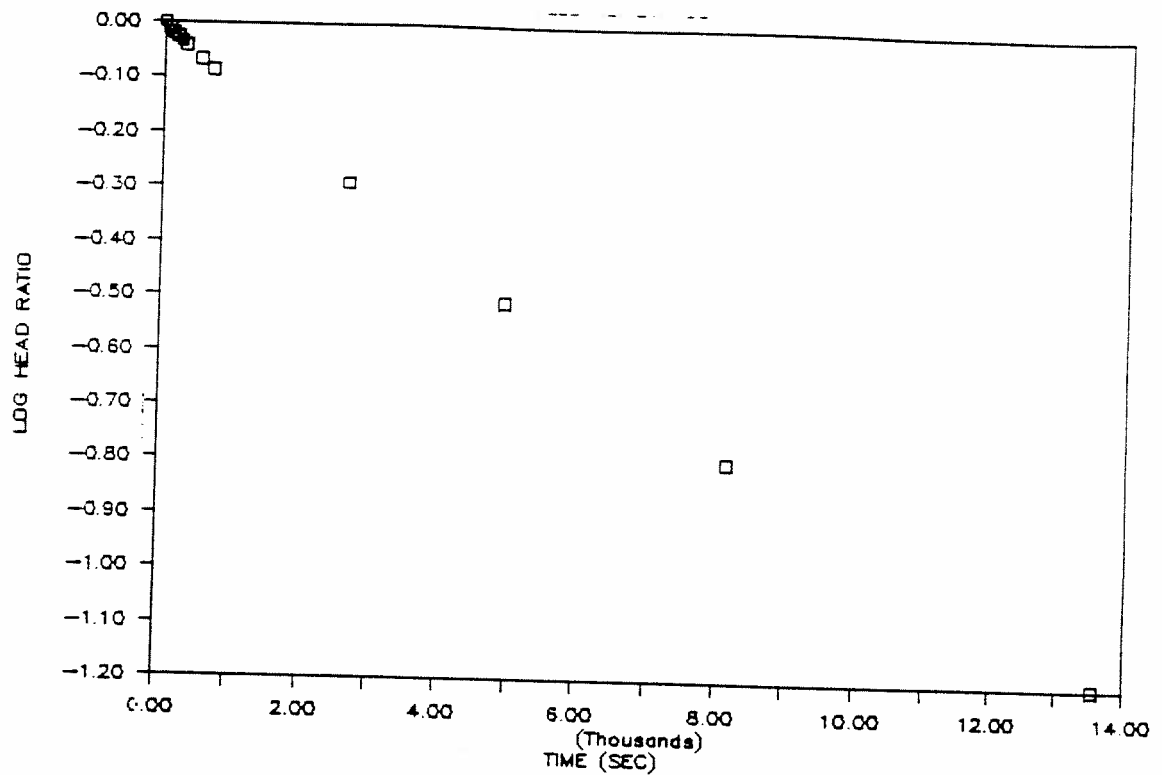
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
1	14	47	0	0	26.30	21.90	1.00	0
1	14	57	0	600	23.90	19.40	0.89	* -0.05065
1	16	10	0	4980	13.10	8.60	0.39	-0.40395
1	16	14	0	5220	12.90	8.40	0.39	-0.41417
1	16	53	0	7560	9.80	5.30	0.24	* -0.6149

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 6.00E-06 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86	WELL NO. BW-3D	
CHECKED JLM	DWG. NO. RECO	CHEMICAL WASTE MANAGEMENT, INC	
Golder Associates		FIGURE	



DATE= 88-01-27
 DEPTH TO WATER= 2.91 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 9.9 FEET

DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
HOURS	MINUTES	SECONDS						
1	10	45	0	0	10.38	7.57	1.00	0
1	10	46	0	60	10.20	7.39	0.98	-0.01045
1	10	47	0	120	10.04	7.29	0.96	-0.01995
1	10	48	0	180	9.93	7.12	0.94	-0.02661
1	10	49	0	240	9.80	6.99	0.92	-0.03461
1	10	50	0	300	9.67	6.86	0.91	-0.04277
1	10	53	30	510	9.31	6.50	0.86	-0.06618
1	10	56	30	690	9.03	6.22	0.82	-0.08530
1	11	29	0	2640	6.70	3.89	0.51	* -0.28914
1	12	7	0	4920	5.17	2.36	0.31	-0.50618
1	13	1	0	9160	4.02	1.21	0.16	* -0.79631
1	14	31	0	13560	3.29	0.48	0.06	-1.19785

NOTES:

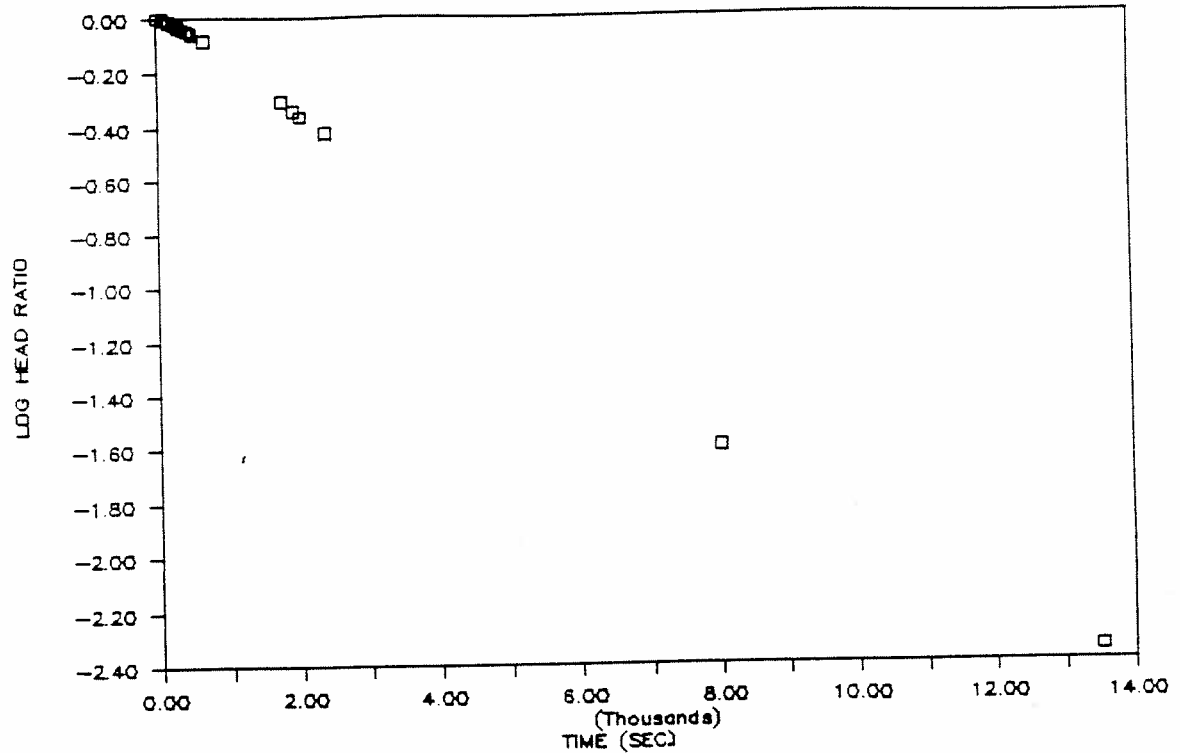
- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

K= 8.0E-06 CM/SEC

BGA DRAFTING MEDIA

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS
DRAWN DJM	DATE 1/29/88	
CHECKED JA-WB	DWG. NO.	
Golder Associates		WELL NO. BW-5S
CHEMICAL WASTE MANAGEMENT INC.		FIGURE

A = 20440A-B



DATE= 88-01-27
 DEPTH TO WATER= 6.07 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 6.2 FEET

DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
HOURS	MINUTES	SECONDS						
1	9	22	0	0	26.12	20.05	1.00	0
1	9	23	30	90	25.97	19.90	0.99	-0.00326
1	9	25	0	180	25.42	19.35	0.97	* -0.01543
1	9	26	0	240	24.98	18.91	0.94	-0.02542
1	9	27	0	300	24.70	18.63	0.93	-0.03190
1	9	28	0	360	24.24	18.17	0.91	-0.04275
1	9	29	0	420	23.93	17.86	0.89	-0.05023
1	9	30	0	480	23.64	17.57	0.88	-0.05734
1	9	33	0	660	22.55	16.48	0.82	-0.08515
1	9	51	30	1770	16.00	9.93	0.50	-0.30516
1	9	54	30	1950	15.18	9.11	0.45	-0.34259
1	9	56	0	2040	14.76	8.69	0.43	-0.36309
1	10	2	0	2400	13.67	7.60	0.38	-0.42130
1	11	35	30	8010	6.58	0.51	0.03	* -1.59454
1	13	7	30	13530	6.16	0.09	.00	-2.34797

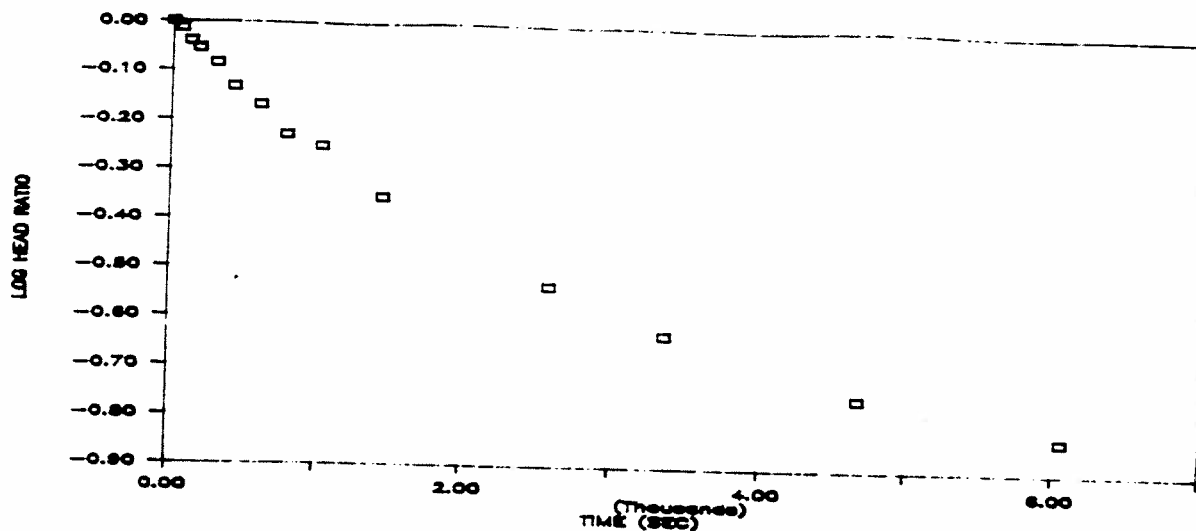
STIMULUS 328 NOTES: 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS

2) ALL DEPTHS MEASURED FROM TOP OF CASING

K= 2.4E-05 CM/SEC

GAZ DRAFTING MEDIA

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DJM	DATE 1/29/88		
CHECKED	DWG. NO.		
Golder Associates		WELL NO. BW-4D	FIGURE
		CHEMICAL WASTE MANAGEMENT INC.	



DATE= 7/30/86
 DEPTH TO WATER= 5.7 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 12.1 FEET

24-HR CLOCK TIME				ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
DAY	HOURS	MINUTES	SECONDS					
1	9	21	0	0	9.1	3.4	1.00	0
1	9	22	0	60	9.0	3.3	0.97	-0.01296
1	9	23	0	120	8.8	3.1	0.91	-0.04011
1	9	24	0	180	8.7	3.0	0.88	* -0.05435
1	9	26	0	300	8.5	2.8	0.82	-0.08432
1	9	28	0	420	8.2	2.5	0.74	-0.13353
1	9	31	0	500	8.0	2.3	0.68	-0.16975
1	9	34	0	780	7.7	2.0	0.59	-0.23044
1	9	38	0	1020	7.6	1.9	0.56	-0.25272
1	9	45	0	1440	7.2	1.5	0.44	-0.35338
1	10	4	0	2580	6.7	1.0	0.29	* -0.53147
1	10	17	0	3360	6.5	0.8	0.24	-0.62838
1	10	39	0	4680	6.3	0.6	0.18	-0.75332
1	11	2	0	6060	6.2	0.5	0.15	-0.83250

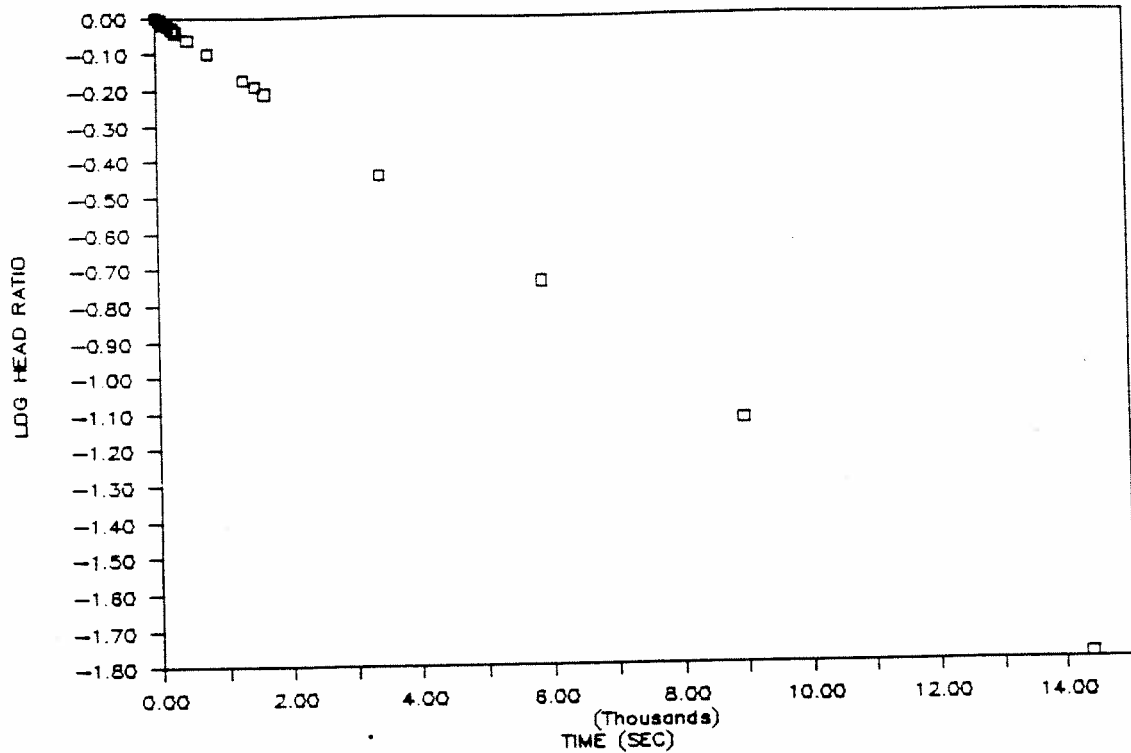
NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 1.49E-05 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS WELL NO. MW1-1S
DRAWN DGB	DATE 12/3/86	
CHECKED DGM	DWG. NO.	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC

AF 20440A-B



DATE= 88-01-27
 DEPTH TO WATER= 4.70 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 6.5 FEET

DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
				0	29.70	25.00	1.00	0
1	10	30	0	60	29.36	24.66	0.99	* -0.00394
1	10	31	0	120	28.87	24.17	0.97	-0.01466
1	10	32	0	180	28.44	23.74	0.95	-0.02345
1	10	33	0	240	28.00	23.30	0.93	-0.03058
1	10	34	0	300	27.58	22.88	0.92	-0.03848
1	10	35	0	480	26.43	21.73	0.87	-0.06098
1	10	38	0	780	24.65	19.95	0.90	-0.09799
1	10	43	0	1320	21.52	16.82	0.67	-0.17211
1	10	52	0	1500	20.33	16.13	0.65	-0.19030
1	10	55	0	1650	20.06	15.36	0.61	-0.21154
1	10	57	30	3420	13.77	9.07	0.36	-0.44033
1	11	27	0	5880	9.28	4.58	0.18	-0.73707
1	12	8	0	8940	6.58	1.88	0.08	-1.12378
1	12	59	0	14400	5.11	0.41	0.02	* -1.78515
1	14	30	0					

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

AKA CFA ST-1000 TEST VESSEL K= 1.4E-05 CM/SEC

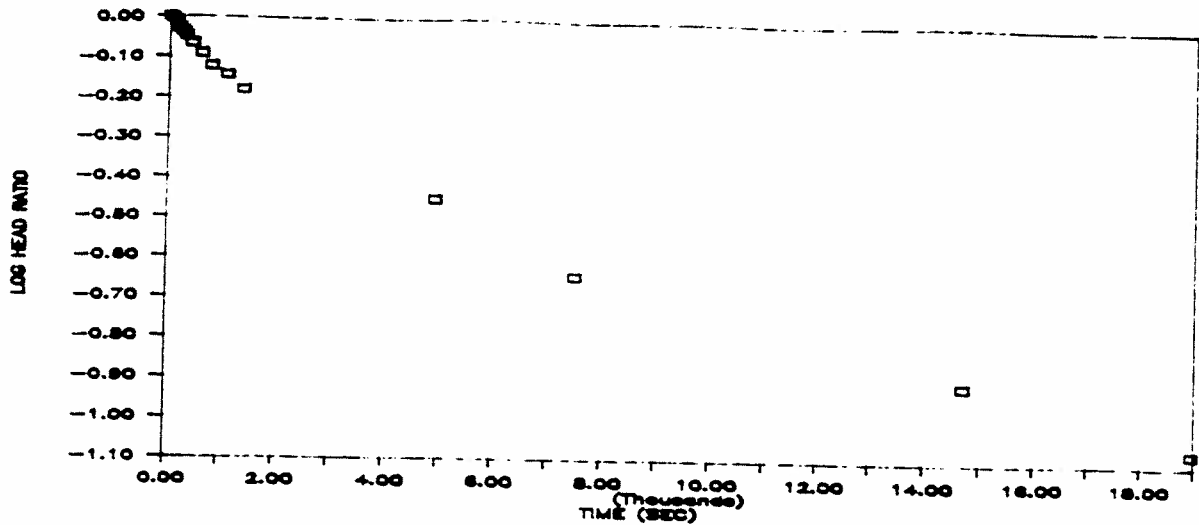
JOB NO.	853-3047	SCALE	AS SHOWN
DRAWN	DJM	DATE	1/29/88
CHECKED		DWG. NO.	

RECOVERY TEST RESULTS AND ANALYSIS
 80130 WELL NO. BW-5D

Golder Associates

CHEMICAL WASTE MANAGEMENT INC.

FIGURE



DATE= 9/4/86
 DEPTH TO WATER= 3.1 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 21.0 FEET

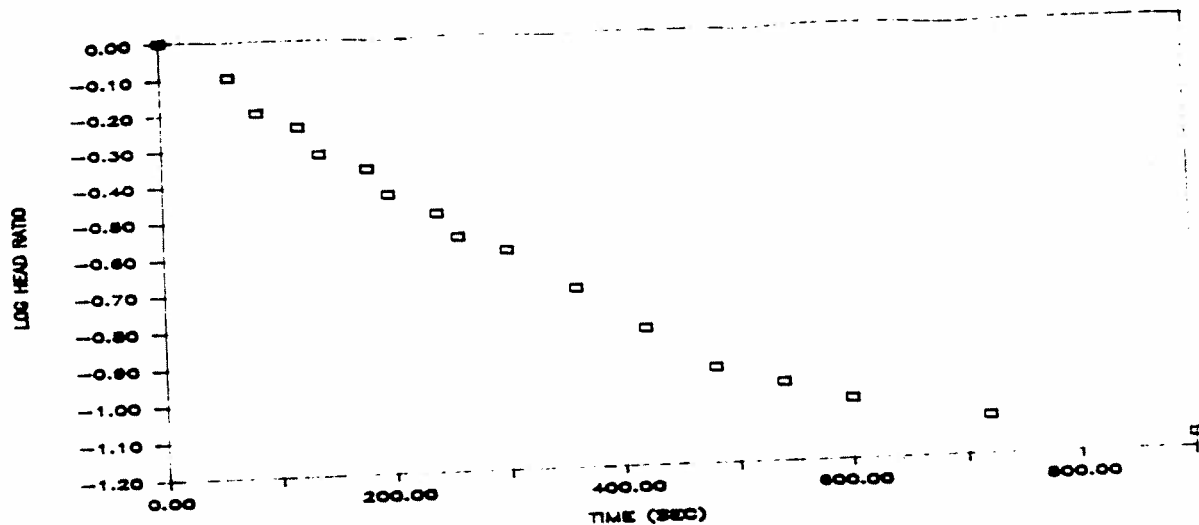
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	11	32	0	0	13.6	10.5	1.00	0
1	11	33	0	60	13.5	10.4	0.99	-0.00415
1	11	34	0	120	13.2	10.1	0.96	-0.01686
1	11	35	0	180	12.9	9.8	0.93	-0.02936
1	11	36	0	240	12.7	9.6	0.91	-0.03831
1	11	37	0	300	12.5	9.4	0.90	-0.04806
1	11	39	0	420	12.1	9.0	0.86	-0.06634
1	11	42	0	600	11.6	8.5	0.81	-0.09177
1	11	45	0	780	11.0	7.9	0.75	-0.12356
1	11	50	0	1080	10.6	7.5	0.71	-0.14612
1	11	55	0	1380	10.0	6.9	0.66	-0.18234
1	12	54	0	4920	6.8	3.7	0.35	-0.45238
1	13	37	0	7500	5.5	2.4	0.23	* -0.64097
1	15	37	0	14700	4.4	1.3	0.12	-0.90724
1	16	48	0	18960	4.0	0.9	0.09	* -1.06694

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

K= 1.84E-06 CM/SEC

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86		
CHECKED DTM	DWG. NO.	WELL NO. MW1-2S	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC	FIGURE



DATE = 7/23/86
 DEPTH TO WATER = 7.9 FEET
 CASING DIAMETER = 2.0 INCHES
 SAND DIAMETER = 7.0 INCHES
 OPEN INTERVAL = 12.9 FEET

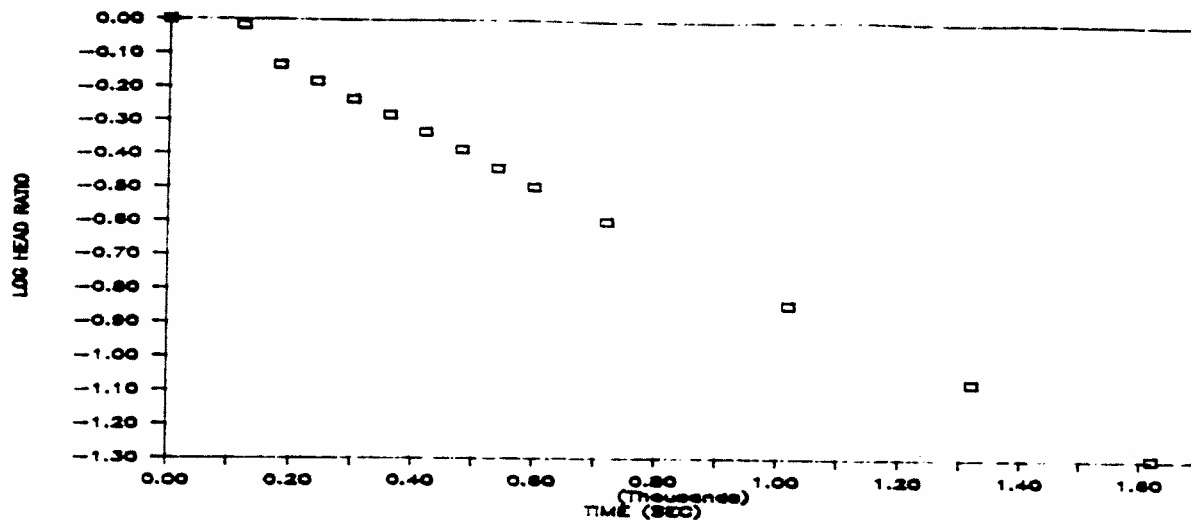
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	4	45	0	0	16.6	8.7	1.00	
1	4	46	0	60	14.8	6.9	0.79	-0.10267
1	4	46.4	0	84	13.4	5.5	0.63	-0.19915
1	4	47	0	120	12.9	5.0	0.57	-0.24054
1	4	47.3	0	138	12.1	4.2	0.48	-0.31836
1	4	48	0	180	11.7	3.8	0.44	-0.35373
1	4	48.3	0	198	11.1	3.2	0.37	-0.43436
1	4	49	0	240	10.7	2.8	0.32	-0.49336
1	4	49.3	0	258	10.3	2.4	0.28	-0.55933
1	4	50	0	300	10.1	2.2	0.25	-0.59709
1	4	51	0	360	9.6	1.7	0.20	-0.70907
1	4	52	0	420	9.2	1.3	0.15	-0.82557
1	4	53	0	480	8.9	1.0	0.11	-0.93951
1	4	54	0	540	8.8	0.9	0.10	-0.98527
1	4	55	0	600	8.7	0.8	0.09	-1.03642
1	4	57	0	720	8.6	0.7	0.08	-1.09442
1	5	0	0	900	8.5	0.6	0.07	-1.16136

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$\lambda = 5.78 \times 10^{-5} \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86		
CHECKED DTM	DATE 12/3/86	WELL NO. MW1-1D	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC	
		FIGURE	



DATE= 7/23/86
 DEPTH TO WATER= 8.3 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 14.0 FEET

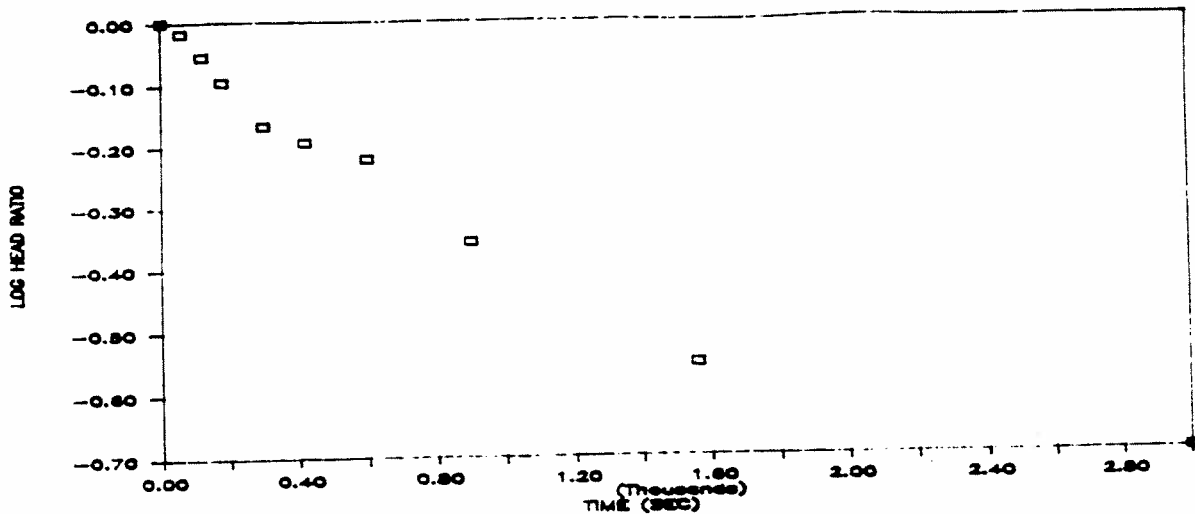
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	16	13	0	0	20.2	11.9	1.00	0
1	16	15	0	120	19.7	11.4	0.96	-0.01864
1	16	16	0	180	17.0	8.7	0.73	-0.13602
1	16	17	0	240	16.1	7.8	0.66	* -0.18345
1	16	18	0	300	15.2	6.9	0.58	-0.23669
1	16	19	0	360	14.5	6.2	0.52	-0.28315
1	16	20	0	420	13.8	5.5	0.46	-0.33518
1	16	21	0	480	13.2	4.9	0.41	-0.38535
1	16	22	0	540	12.6	4.3	0.36	-0.44207
1	16	23	0	600	12.1	3.8	0.32	-0.49576
1	16	25	0	720	11.3	3.0	0.25	-0.59842
1	16	30	0	1020	10.0	1.7	0.14	-0.84509
1	16	35	0	1320	9.3	1.0	0.08	* -1.07554
1	16	40	0	1620	8.9	0.6	0.05	-1.29739

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 5.57E-05 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS WELL NO. MW2-1D
DRAWN DGB	DATE 12/3/86	
CHECKED DJM	DWG. NO.	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC



DATE= 7/30/86
 DEPTH TO WATER= 8.8 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 9.6 FEET

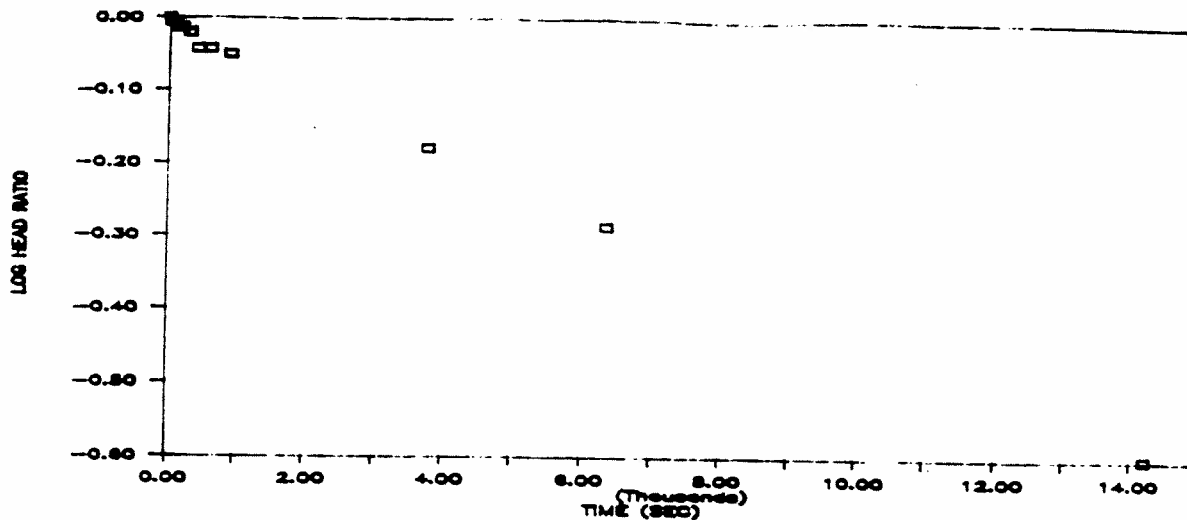
24-HR CLOCK TIME				ELAPSED TIME	DEPTH TO WATER	HEAD	HEAD RATIO	LOG HEAD RATIO
DAY	HOURS	MINUTES	SECONDS	(SEC)	(FEET)	(FEET)		
1	10	15	0	0	11.3	2.5	1.00	0
1	10	16	0	60	11.2	2.4	0.96	-0.01772
1	10	17	0	120	11.0	2.2	0.88	-0.05551
1	10	18	0	180	10.8	2.0	0.80	* -0.09631
1	10	20	0	300	10.5	1.7	0.68	-0.16749
1	10	22	0	420	10.4	1.6	0.64	-0.19382
1	10	25	0	600	10.3	1.5	0.60	-0.22184
1	10	30	0	900	9.9	1.1	0.44	-0.35654
1	10	41	0	1560	9.5	0.7	0.28	* -0.55284
1	11	5	0	3000	9.3	0.5	0.20	-0.69897

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 2.93E-05 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86	WELL NO. MW2-1S	
CHECKED DTM	DWG. NO.	CHEMICAL WASTE MANAGEMENT, INC	
Golder Associates		FIGURE	



DATE= 7/25/86
 DEPTH TO WATER= 20.1 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 9.5 FEET

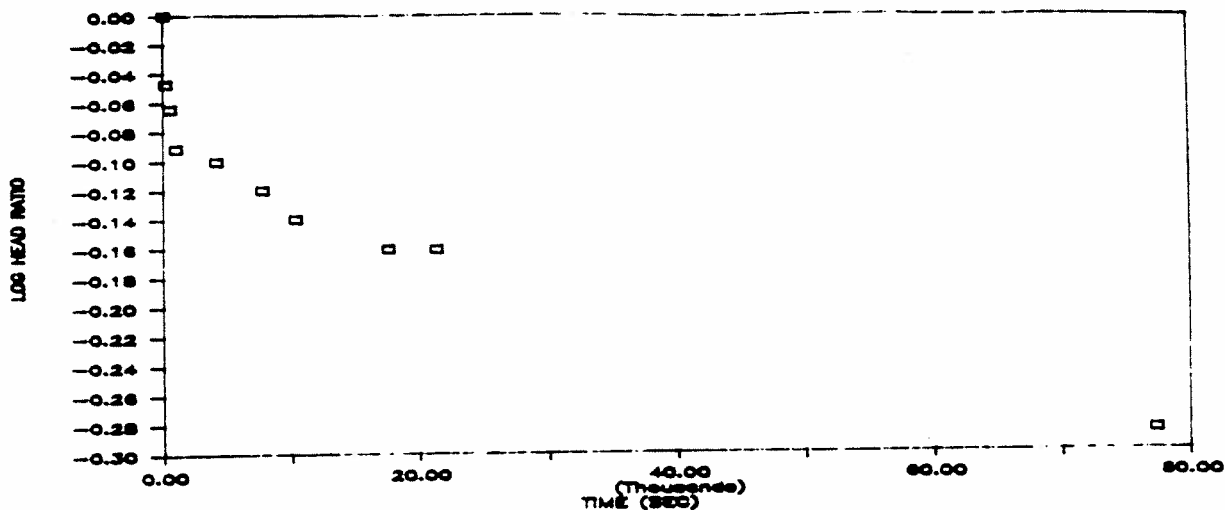
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	11	50	0	0	32.8	12.7	1.00	0
1	11	50.3	0	18	32.6	12.5	0.98	-0.00689
1	11	52	0	120	32.4	12.3	0.97	-0.01389
1	11	53	0	180	32.4	12.3	0.97	-0.01389
1	11	55	0	300	32.2	12.1	0.95	-0.02101
1	11	57	0	420	31.6	11.5	0.91	-0.04310
1	12	0	0	600	31.6	11.5	0.91	-0.04310
1	12	5	0	900	31.4	11.3	0.89	-0.05072
1	12	53	0	3780	28.5	8.4	0.66 *	-0.17952
1	13	36	0	6360	26.7	6.6	0.52	-0.28425
1	15	47	0	14220	23.3	3.2	0.25 *	-0.59865

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 3.59E-06 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86		
CHECKED QTM	DWG. NO.	WELL NO. MW2-2UD	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC	FIGURE



DATE= 3/4/86
 DEPTH TO WATER= 21.0 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 17.8 FEET

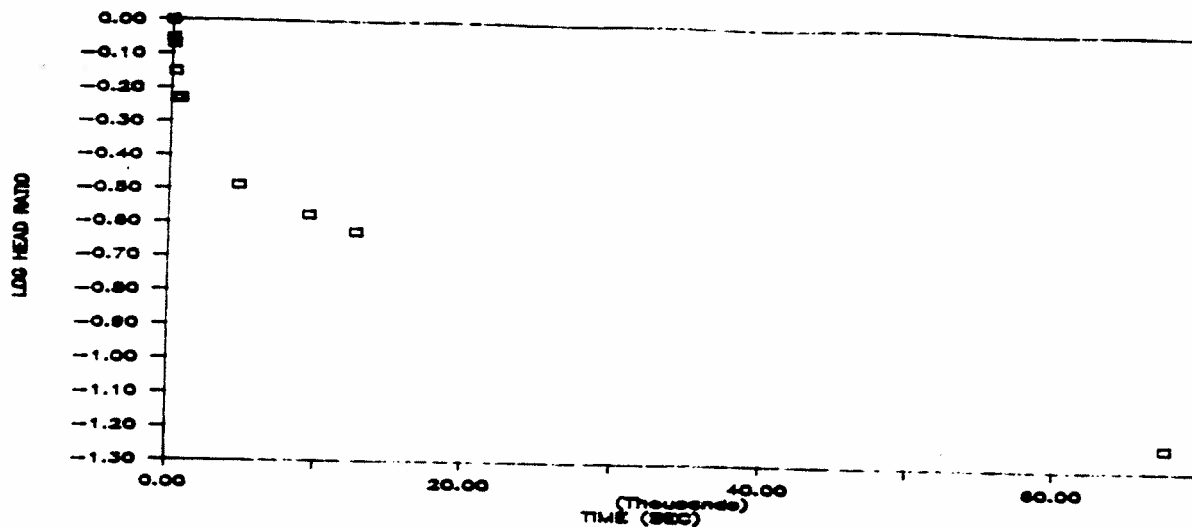
24-HR CLOCK TIME				ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
DAY	HOURS	MINUTES	SECONDS					
1	10	49	0	0	23.9	2.9	1.00	0
1	10	52	0	180	23.6	2.6	0.90	-0.04742
1	10	55	0	360	23.4	2.4	0.83	-0.08218
1	10	58	0	540	23.5	2.5	0.86	-0.06445
1	11	2	0	780	23.1	2.1	0.72	-0.14017
1	11	6	0	1020	23.4	2.4	0.81	-0.09133
1	11	15	0	1560	23.2	2.2	0.76	-0.11997
1	11	58	0	4140	23.3	2.3	0.79	-0.10067
1	12	58	0	7740	23.2	2.2	0.76	-0.11997
1	13	41	0	10320	23.1	2.1	0.72	* -0.14017
1	15	42	0	17580	23.0	2.0	0.69	-0.16136
1	16	45	0	21360	23.0	2.0	0.69	-0.16136
2	8	17	0	77280	22.5	1.5	0.52	* -0.28630
2	13	42	0	96780	22.5	1.5	0.52	-0.28630

NOTES:

- * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 1.23E-07 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86		
CHECKED DTM	CWS. NO.	WELL NO. MW2-28	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC	
		FIGURE	



DATE = 7/30/86
 DEPTH TO WATER = 13.9 FEET
 CASING DIAMETER = 2.0 INCHES
 SAND DIAMETER = 7.0 INCHES
 OPEN INTERVAL = 23.7 FEET

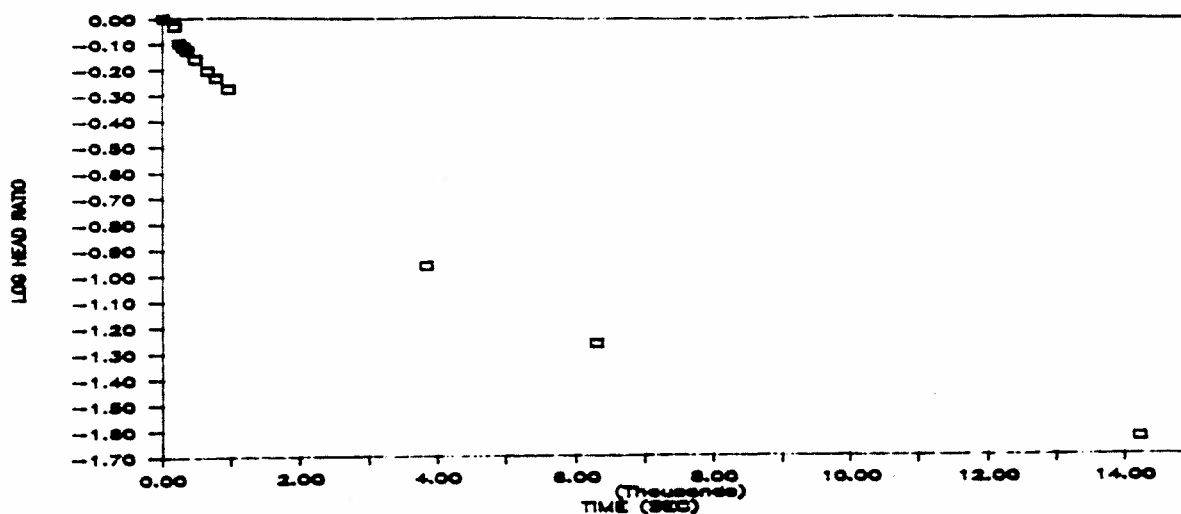
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	13	49	0	0	17.3	3.4	1.00	0
1	13	50	0	60	16.9	3.0	0.88	-0.05435
1	13	51	0	120	16.8	2.9	0.85	-0.06908
1	13	53	0	240	16.3	2.4	0.71	-0.15126
1	13	55	0	360	15.9	2.0	0.59	-0.23044
1	14	0	0	660	15.9	2.0	0.59	-0.23044
1	15	8	0	4740	15.0	1.1	0.32	-0.49008
1	16	27	0	9480	14.8	0.9	0.26	-0.57723
1	17	20	0	12660	14.7	0.8	0.24	-0.62838
2	8	38	0	67740	14.1	0.2	0.06	-1.23044

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 7.90E-07 \text{ CM/SEC}$$

JOB NO. 863-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86		
CHECKED DTM	OWB NO.	WELL NO. MW3-18	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC	FIGURE



DATE= 7/25/86
 DEPTH TO WATER= 20.5 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 13.0 FEET

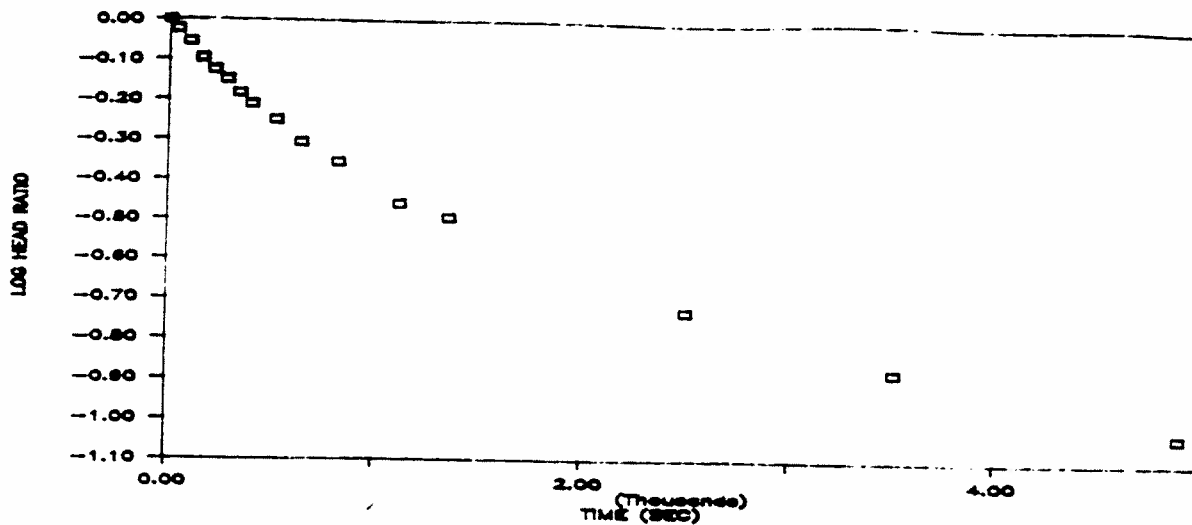
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	11	49	0	0	33.4	12.9	1.00	0
1	11	52	0	180	32.5	12.0	0.93	-0.03140
1	11	53	0	240	30.8	10.3	0.80	-0.09775
1	11	54	0	300	30.4	9.9	0.77	-0.11495
1	11	55	0	360	30.1	9.6	0.74	-0.12831
1	11	57	0	480	29.4	8.9	0.69	-0.16119
1	12	0	0	660	28.5	8.0	0.62	-0.20749
1	12	2	0	780	28.0	7.5	0.58	-0.23552
1	12	5	0	960	27.3	6.8	0.53	-0.27808
1	12	53	0	3840	21.9	1.4	0.11	-0.96446
1	13	34	0	6300	21.2	0.7	0.05	-1.26549
1	15	46	0	14220	20.8	0.3	0.02	-1.63346

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 1.71E-05 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86	WELL NO. MW2-2LD	
CHECKED <i>DM</i>	DWG. NO.	FIGURE	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC	



DATE= 7/30/86
 DEPTH TO WATER= 1.9 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 10.0 FEET

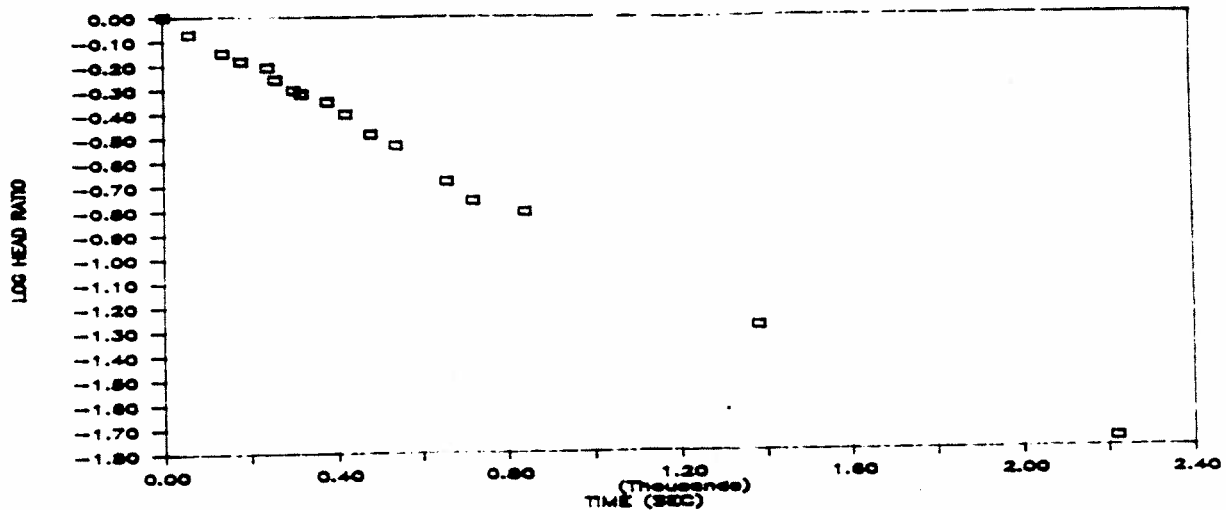
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	8	41.3	0	0	9.4	7.5	1.00	0
1	8	42	0	42	9.0	7.1	0.95	-0.02380
1	8	43	0	102	8.5	6.6	0.88	-0.05551
1	8	44	0	162	7.9	6.0	0.80	-0.09691
1	8	45	0	222	7.5	5.6	0.75	-0.12687
1	8	46	0	282	7.2	5.3	0.71	-0.15078
1	8	47	0	342	6.8	4.9	0.65	-0.18486
1	8	48	0	402	6.5	4.6	0.61	-0.21230
1	8	50	0	522	6.1	4.2	0.56	-0.25181
1	8	52	0	642	5.6	3.7	0.49	-0.30685
1	8	55	0	822	5.2	3.3	0.44	-0.35654
1	9	0	0	1122	4.5	2.6	0.35	-0.46008
1	9	4	0	1362	4.3	2.4	0.32	-0.49485
1	9	23	0	2502	3.3	1.4	0.19	-0.72893
1	9	40	0	3522	2.9	1.0	0.13	-0.87506
1	10	3	0	4902	2.6	0.7	0.09	-1.02996

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 1.08E-05 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS WELL NO. MW3-2S
DRAWN DGB	DATE 12/3/86	
CHECKED <i>DM</i>	DWG. NO.	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC



DATE= 7/24/86
 DEPTH TO WATER= 21.9 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 18.0 FEET

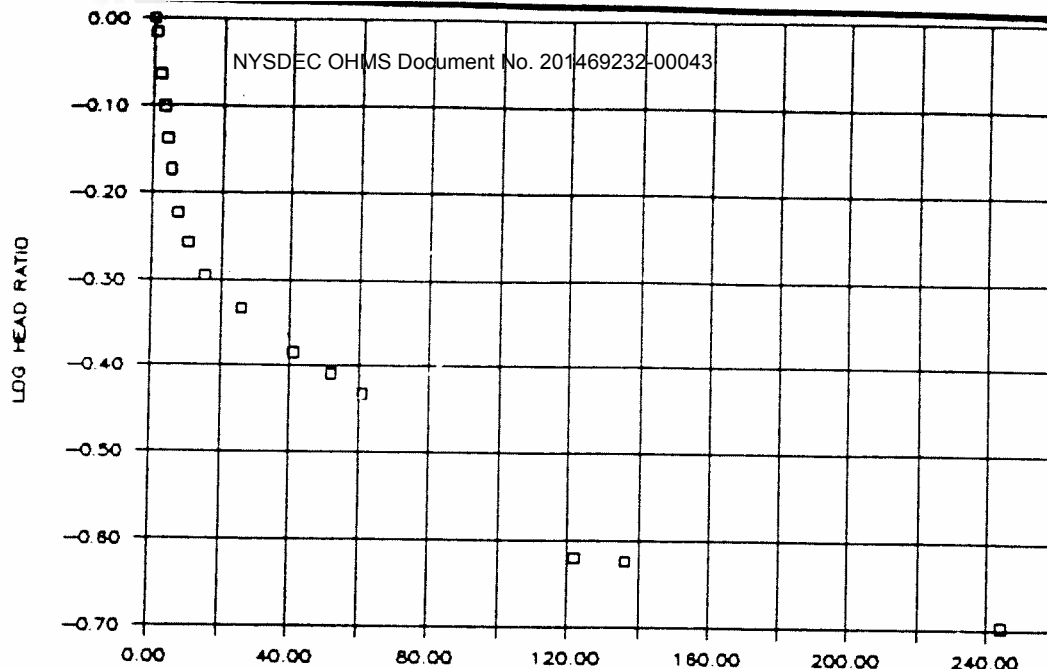
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	10	31	0	0	27.7	5.8	1.00	0
1	10	32	0	60	26.8	4.9	0.84	-0.07323
1	10	33.3	0	138	26.0	4.1	0.71	-0.15064
1	10	34	0	180	25.7	3.8	0.66	-0.18364
1	10	35	0	240	25.5	3.6	0.62	-0.20712
1	10	35.3	0	258	25.1	3.2	0.55	-0.25827
1	10	36	0	300	24.8	2.9	0.50	-0.30102
1	10	36.3	0	318	24.7	2.8	0.48	-0.31626
1	10	37.3	0	378	24.5	2.6	0.45	-0.34845
1	10	38	0	420	24.2	2.3	0.40	-0.40170
1	10	39	0	480	23.8	1.9	0.33	-0.48467
1	10	40	0	540	23.6	1.7	0.29	-0.53297
1	10	42	0	660	23.1	1.2	0.21	-0.68424
1	10	43	0	720	22.9	1.0	0.17	-0.76342
1	10	45	0	840	22.8	0.9	0.16	-0.80918
1	10	54	0	1380	22.2	0.3	0.05	-1.28630
1	11	0	0	2220	22.0	0.1	0.02	-1.76342

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 5.42E-05 \text{ CM/SEC}$$

JOB NO. 863-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86	WELL NO. MW3-1D	
CHECKED <i>DJM</i>	DRG. NO.	CHEMICAL WASTE MANAGEMENT, INC	
Golder Associates		FIGURE	



ELAPSED TIME (MIN)
DATE OF TEST: 9/12/89

STATIC WATER DEPTH= 6.50 FEET BELOW TOC
STANDPIPE DIAMETER= 2.00 INCHES
SANDPACK DIAMETER= 9.00 INCHES
TOP OF SATURATED SAND= 6.10 FEET BELOW TOC
BOTTOM OF SANDPACK= 18.00 FEET BELOW TOC

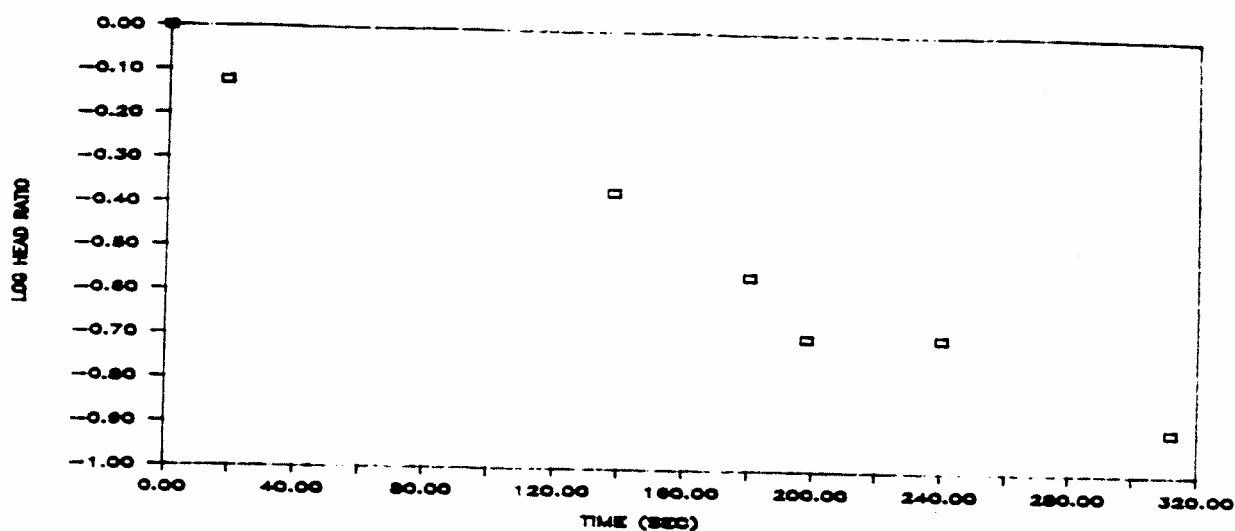
24 HOUR CLOCK			ELAPSED TIME	DEPTH TO WATER	HEAD	HEAD RATIO	LOG HEAD RATIO
HR	MIN	SEC	(MIN)	(FT TOC)	(FEET)	(H/Ho)	
9	29	0	0.00	17.35	-10.85	1.000	0.0000
9	29	30	0.50	16.95	-10.45	0.963	-0.0163
9	31	0	2.00	15.84	-9.34	0.861	-0.0651
9	32	15	3.25	15.08	-8.58	0.791	-0.1019
9	33	15	4.25	14.39	-7.89	0.727	-0.1384
9	34	25	5.42	13.78	-7.28	0.671	-0.1733
9	36	20	7.33	13.00	-6.50	0.599	-0.2225
9	39	29	10.48	12.50	-6.00	0.553	-0.2573
9	44	30	15.50	12.00	-5.50	0.507 *	-0.2951
9	55	0	26.00	11.55	-5.05	0.465	-0.3321
10	10	0	41.00	10.98	-4.48	0.413	-0.3842
10	21	0	52.00	10.73	-4.23	0.390	-0.4091
10	30	0	61.00	10.51	-4.01	0.370	-0.4323
11	31	0	122.00	9.10	-2.60	0.240	-0.6205
11	45	0	136.00	9.08	-2.58	0.238 *	-0.6238
13	33	0	244.00	8.68	-2.18	0.201	-0.6970

NOTES:

- 1) * INDICATES THE BEST FIT LINE PASSES THROUGH THESE POINTS
WHICH ARE USED TO CALCULATE HYDRAULIC CONDUCTIVITY

K= 3.22E-06 CM/SEC

Golder Associates Atlanta, Georgia			TITLE RECOVERY TEST RESULTS AND ANALYSIS WELL NO. MW3-3S		
CLIENT/PROJECT CHEMICAL WASTE MANAGEMENT, INC.			DATE 10/12/89		
DRAWN EAH			SCALE A8 SHOWN		
CHECKED ALG			JOB NO. 883-3047		
REVIEWED NDM			DWG. NO. / REV. NO. 507		
FILE NO. 883-3047			FIGURE		



DATE= 7/22/86
 DEPTH TO WATER= 20.0 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 20.0 FEET

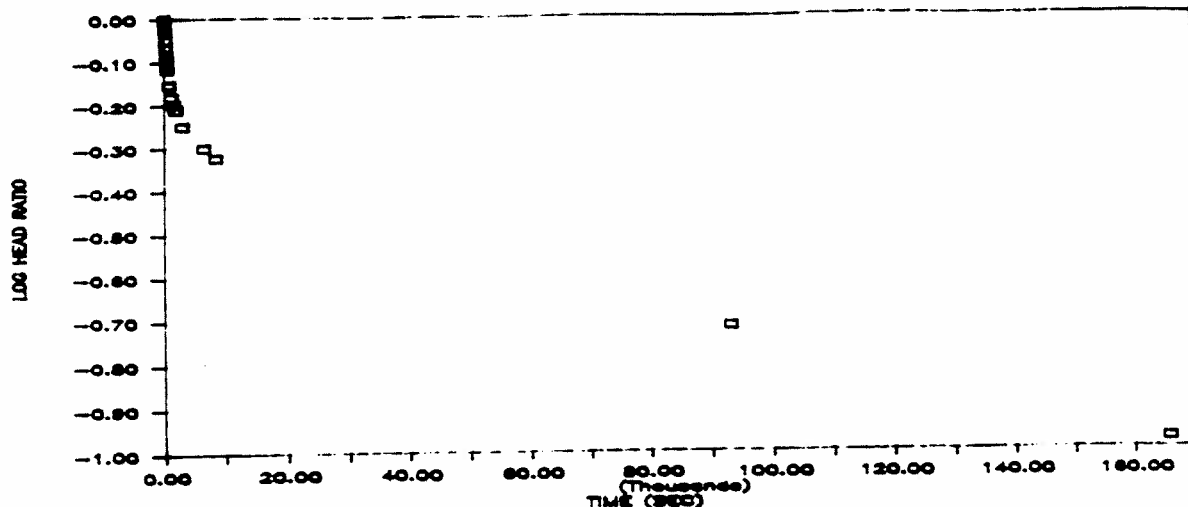
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
	HOURS	MINUTES	SECONDS					
1	16	22	0	0	24.0	4.0	1.00	0
1	16	22.3	0	18	23.0	3.0	0.75	-0.12493
1	16	24.3	0	138	21.7	1.7	0.42	-0.37161
1	16	25	0	180	21.1	1.1	0.28	-0.56066
1	16	25.3	0	198	20.8	0.8	0.20	-0.63897
1	16	26	0	240	20.8	0.8	0.20	-0.63897
1	16	27.2	0	312	20.5	0.5	0.13	-0.90308

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 1.34E-04 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS WELL NO. MW4-1D	
DRAWN DGB	DATE 12/3/86		
CHECKED DTM	DWG. NO.	CHEMICAL WASTE MANAGEMENT, INC	
Golder Associates			
		FIGURE	



DATE= 8/16/86
 DEPTH TO WATER= 18.6 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 24.2 FEET

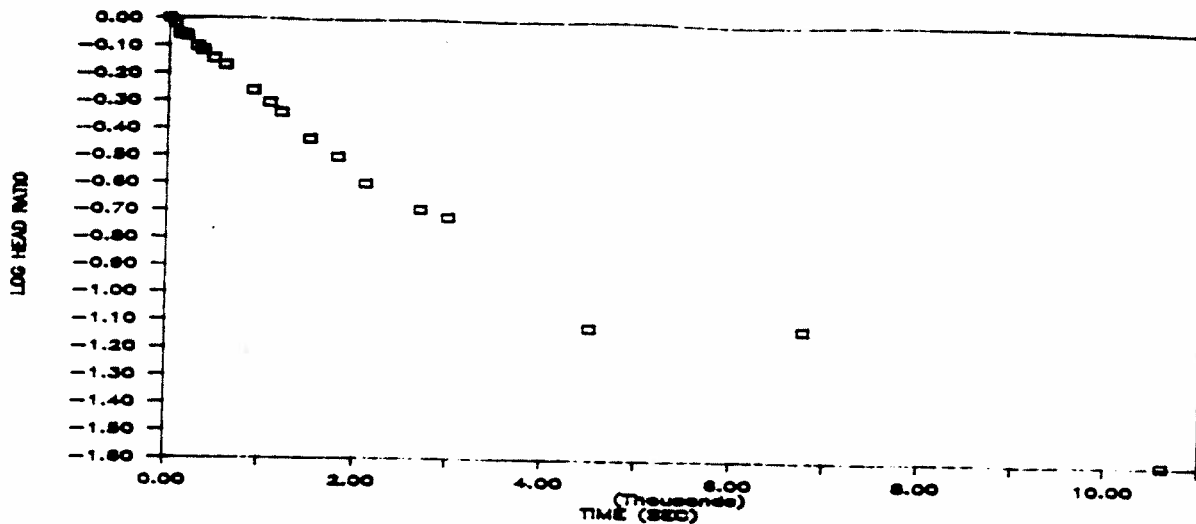
DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
1	12	37	0	0	30.0	11.4	1.00	0
1	12	38	0	60	29.6	11.0	0.96	-0.01551
1	12	39	0	120	29.3	10.7	0.94	-0.02752
1	12	40	0	180	28.8	10.2	0.89	-0.04830
1	12	41	0	240	28.4	9.8	0.86	-0.06567
1	12	42	0	300	28.0	9.4	0.82	-0.08377
1	12	43	0	360	27.8	9.2	0.81	-0.09311
1	12	44	0	420	27.5	8.9	0.78	-0.10751
1	12	45	0	480	27.3	8.7	0.76	-0.11738
1	12	50	0	780	26.6	8.0	0.70	-0.15381
1	12	57	0	1200	26.1	7.5	0.66	-0.18184
1	13	3	0	1560	25.8	7.2	0.63	-0.19957
1	13	9	0	1920	25.6	7.0	0.61	-0.21180
1	13	26	0	2940	25.0	6.4	0.56	-0.25072
1	14	24	0	6420	24.3	5.7	0.50	-0.30102
1	14	57	0	8400	24.0	5.4	0.47	-0.32451
2	14	28	0	93860	20.8	2.2	0.19	-0.71448
3	10	40	0	165780	19.8	1.2	0.11	-0.97772

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 2.05E-07 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS WELL NO. MW4-1S	
DRAWN DGB	DATE 12/3/86		
CHECKED <i>DTM</i>	DWG. NO.	CHEMICAL WASTE MANAGEMENT, INC	
Golder Associates		FIGURE	



DATE= 9/4/86
 DEPTH TO WATER= 7.2 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 17.9 FEET

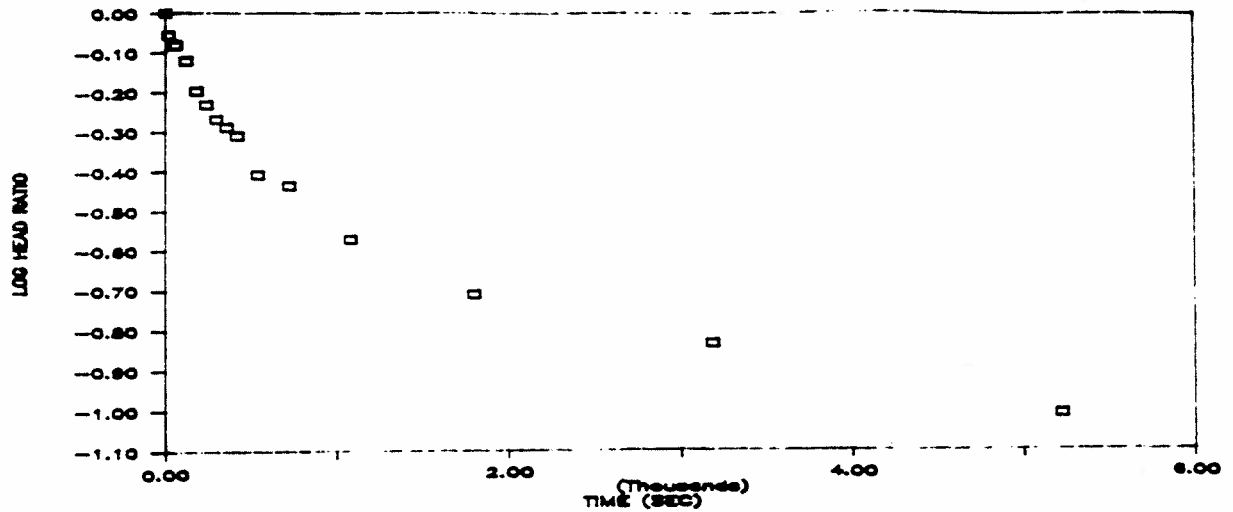
DAY	HOURS	MINUTES	SECONDS	ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
1	10	5	0	0	15.1	7.9	1.00	0
1	10	6	0	60	14.8	7.6	0.96	-0.01681
1	10	7	0	120	14.1	6.9	0.87	-0.05877
1	10	8	0	180	14.0	6.8	0.86	-0.06511
1	10	10	0	300	13.4	6.2	0.78	-0.10523
1	10	11	0	360	13.2	6.0	0.76	-0.11947
1	10	13	0	480	12.8	5.6	0.71	-0.14943
1	10	15	0	600	12.5	5.3	0.67	-0.17335
1	10	20	0	900	11.5	4.3	0.54	-0.26415
1	10	23	0	1080	11.1	3.9	0.49	-0.30656
1	10	25	0	1200	10.8	3.6	0.46	-0.34132
1	10	30	0	1500	10.1	2.9	0.37	-0.43522
1	10	35	0	1800	9.7	2.5	0.32	-0.49968
1	10	40	0	2100	9.2	2.0	0.25	-0.59659
1	10	50	0	2700	8.8	1.6	0.20	-0.69350
1	10	55	0	3000	8.7	1.5	0.19	-0.72153
1	11	20	0	4500	7.8	0.6	0.08	-1.11947
1	11	50	0	6780	7.8	0.6	0.08	-1.11947
1	13	2	0	10620	7.4	0.2	0.03	-1.59659

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSING THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 1.21E-05 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86		
CHECKED DJM	DWG. NO.	WELL NO. MW5-18	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC	FIGURE



DATE= 7/30/86
 DEPTH TO WATER= 3.9 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 12.7 FEET

DAY	24-HR CLOCK TIME			ELAPSED TIME (SEC)	DEPTH TO WATER (FEET)	HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
1	9	8	0	0	8.0	4.1	1.00	0
1	9	8.3	0	18	7.5	3.6	0.88	-0.05648
1	9	9	0	60	7.3	3.4	0.83	-0.08130
1	9	10	0	120	7.0	3.1	0.76	-0.12142
1	9	11	0	180	6.5	2.6	0.63	-0.19781
1	9	12	0	240	6.3	2.4	0.59	-0.23257
1	9	13	0	300	6.1	2.2	0.54	-0.27036
1	9	14	0	360	6.0	2.1	0.51	-0.29056
1	9	15	0	420	5.9	2.0	0.49	-0.31175
1	9	17	0	540	5.5	1.6	0.39	-0.40866
1	9	20	0	720	5.4	1.5	0.37	-0.43669
1	9	26	0	1080	5.0	1.1	0.27	-0.57139
1	9	38	0	1800	4.7	0.8	0.20	-0.70969
1	10	1	0	3180	4.5	0.6	0.15	-0.83463
1	10	35	0	5220	4.3	0.4	0.10	-1.01072

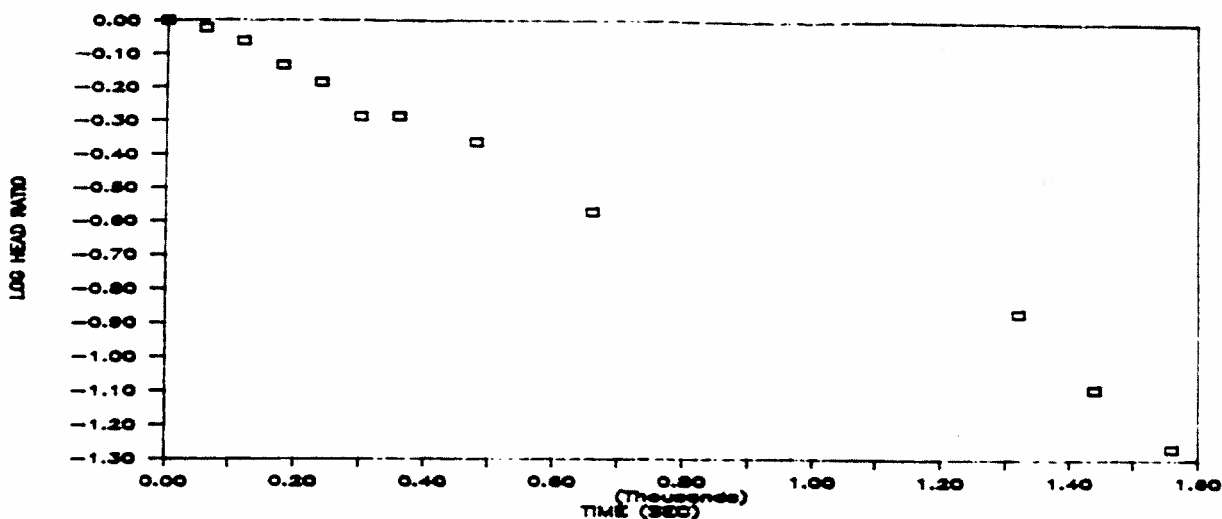
NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 6.37E-06 \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS WELL NO. MW4-2S
DRAWN DGB	DATE 12/3/86	
CHECKED DJM	DWG. NO.	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC

FIGURE



DATE= 7/25/86
 DEPTH TO WATER= 5.7 FEET
 CASING DIAMETER= 2.0 INCHES
 SAND DIAMETER= 7.0 INCHES
 OPEN INTERVAL= 9.5 FEET

24-HR CLOCK TIME				ELAPSED DEPTH TO		HEAD (FEET)	HEAD RATIO	LOG HEAD RATIO
DAY	HOURS	MINUTES	SECONDS	TIME (SEC)	WATER (FEET)			
1	10	4	0	0	9.4	3.7	1.00	0
1	10	5	0	60	9.2	3.5	0.95	-0.02413
1	10	6	0	120	8.9	3.2	0.86	-0.06305
1	10	7	0	180	8.4	2.7	0.73	-0.13683
1	10	8	0	240	8.1	2.4	0.65	-0.18799
1	10	9	0	300	7.6	1.9	0.51	-0.28944
1	10	10	0	360	7.6	1.9	0.51	-0.28944
1	10	12	0	480	7.3	1.6	0.43	-0.36408
1	10	15	0	660	6.7	1.0	0.27	-0.56820
1	10	26	0	1320	6.2	0.5	0.14	-0.86923
1	10	28	0	1440	6.0	0.3	0.08	-1.09108
1	10	30	0	1560	5.9	0.2	0.05	-1.26717

NOTES:

- 1) * INDICATES THAT BEST FIT LINE PASSES THROUGH THESE POINTS
- 2) ALL DEPTHS MEASURED FROM TOP OF CASING

$$K = 6.77 \times 10^{-5} \text{ CM/SEC}$$

JOB NO. 853-3047	SCALE AS SHOWN	RECOVERY TEST RESULTS AND ANALYSIS	
DRAWN DGB	DATE 12/3/86		
CHECKED DGM	DWG. NO.	WELL NO. MW5-2S	
Golder Associates		CHEMICAL WASTE MANAGEMENT, INC	FIGURE