APPENDIX C

WELL DEVELOPMENT LOGS

Groundwater Well Development Log

Fort McClellan , Alabama

Project Number: 796887
Form Completed by: Z Parhan
Well Developed by (person/firm): Z. Parhan (IT)

Parcel No.: 188
Well No.: CWSA-188-MW01
Date started: 12.17.01

Monitoring Well Information

Development Method: Surge/purge
Development Equipment: whale pump + hose, PID, Water Level Indicator, Horiba U-10, Turbidity meter
Casing Diameter: 2"

Beginning Measurments
Depth to Water (ft): 10.90
Total depth of Well (ft): 30.12

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date) (Purge Rate, Pump Position, Misc.)
12:15	0.0	10.90	5.45	.362	>999	4.25	19.5	dark grey	Pump at 30.0' toc PR= .198 gpm
12:30	2.97	11.94	5.55	.356	>999	3.52	19.8	"	"
12:31	3.17	—	—	—	—	—	—	—	stopped development for 12.17.01 due to bad weather
08:15	3.17	10.91	—	—	—	—	—	—	Resumed development for 12.18.01 Pump = 29' toc, PR= .066 gpm
08:30	4.18	11.11	5.28	.334	>999	2.57	16.1	dark grey	"
08:45	5.15	11.12	5.46	.296	435	2.54	15.7	grey	Pump raised to 28' toc PR= .066 gpm
09:00	6.14	11.28	5.46	.294	486	2.17	17.5	"	"

TD - DTW = WC x 2'/4' well = One PV x 5 = Min PV + H20 to install well = Minimum H20 to remove

30.12 - 10.90 = 19.22 x .163 = 3.13 x 5 = 19.66 + .20 = 35.66 gal

Q.C'd Kingsley 1/8/02

Parcel No.: 188
Well ID: CWM-188-MW01
Date: 12.18.01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
09:15	7.13	11.48	5.54	.278	338	2.39	17.8	grey	Pump at 28' btoc PR=.066gpm
09:30	8.12	11.48	5.51	.282	341	2.21	18.0	"	"
09:45	9.11	11.48	5.54	.269	193	2.11	18.0	light grey	Pump raised to 26' btoc PR=.066gpm
10:00	10.10	11.52	5.50	.274	130	2.18	18.1	"	"
10:15	11.09	11.54	5.53	.260	89	2.30	17.9	"	"
10:30	12.08	11.58	5.54	.259	85	2.21	17.9	"	Pump raised to 24' btoc PR=.066gpm
10:45	13.07	11.60	5.55	.265	59	2.49	18.1	very light grey	"
11:00	14.06	11.62	5.56	.271	31	2.31	18.2	"	"
11:15	15.05	11.65	5.50	.270	35	2.40	18.2	"	Stopped pumping well.
12:45	15.05	11.28	—	—	—	—	—	—	Resumed pumping well. Pump at 24' btoc, PR=.066gpm
13:00	16.19	11.45	5.58	.256	188	2.57	18.4	light grey	"
13:15	17.33	11.50	5.54	.260	156	2.11	18.6	"	"

Parcel No.: 188
Well ID: cmw-188-mw01
Date: 12.18.01 / 12.19.01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments
13:30	18.47	11.55	5.57	.253	166	2.60	19.0	light grey	Pump raised to 20' btoc. PR= .076 gpm
13:45	19.61	11.60	5.55	.257	105	2.48	19.1	"	"
14:00	20.75	11.64	5.53	.251	60	2.27	19.6	very light grey	"
14:15	21.89	11.68	5.54	.269	38	2.11	20.1	"	Pump raised to 18' btoc.
14:30	23.03	11.71	5.54	.246	33	2.51	19.5	"	"
14:45	24.17	11.75	5.51	.250	30	2.62	19.5	"	"
19:00	25.31	11.78	5.52	.249	21	2.59	19.8	"	"
15:15	26.45	11.78	5.54	.256	19	2.49	20.1	clear	"
15:30	27.59	11.79	5.52	.258	19	2.55	20.2	clear	ceased development for 12.18.01.
09:45	27.59	11.00	—	—	—	—	—	—	Presumed pumping for 12.19.01 Pump at 25' btoc, PR= .088 gpm
10:00	28.91	11.31	5.55	.387	>999	2.20	17.7	grey	"
10:15	30.23 ~~28.23~~	11.79	5.73	.355	360	2.28	18.6	"	"
10:30	31.55	11.46	5.67	.347	226	2.58	18.3	"	"

Parcel No.: 188
Well ID: CWM-188-MW01
Date: 12.19.01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments
10:45	32.87	11.53	5.58	.351	189	2.49	18.5	grey	Pump at 25' btoc PR=.088gpm
11:00	34.19	11.57	5.61	.349	97	2.37	18.5	light grey	"
11:15	35.51	11.62	5.55	.355	64	2.52	18.9	"	"
11:30	36.83	11.65	5.59	.354	37	2.49	19.3	very light grey	"
11:45	38.15	11.69	5.54	.350	30	2.55	19.8	"	Development complete. 1 L HDPE photo sample collected.
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12.19.01

Groundwater Well Development Log

Fort McClellan, Alabama

Project Number: 796887
Form Completed by: R. Goins (FT)
Well Developed by (person/firm): R. Goins (FT)

Parcel No.: CWM-188-MW02
Well No.: MW02
Date started: 11/14/01

Monitoring Well Information

Development Method: Surge and Purge
Development Equipment: Whale pump, Horiba U-10, Orion Turbidity Meter, PID, 240 gal tank
Casing Diameter: 2 in

Beginning Measurments
Depth to Water (ft): 10.27' bTOC
Total depth of Well (ft): 24.32' bTOC

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date) (Purge Rate, Pump Position, Misc.)
12:52	—	10.27	6.33	0.561	999	4.23	20.7	muddy (brown)	PR-0.375, pump-3" from bottom
13:00	3.00	—	—	rate	change	—	—	—	PR-0.310, pump-1' from position
13:07	5.17	11.82	6.44	0.449	999	6.49	20.8	muddy (brown)	PR-0.300
13:15	7.57	—	—	rate	change	—	—	—	PR-0.270
13:22	9.46	11.92	6.43	0.420	999	4.26	20.5	cloudy (brown)	PR-0.250
13:28	10.96	—	—	pump	shut	off	—	—	Last reading for the day.
09:50	10.96	10.61	—	—	—	—	—	—	resumed development Pop 11.19.01 Pump=22' btoc PR=.30 gpm

TD − DTW = WC x 2'/4' well = One PV x 5 = Min PV + H20 to install well = Minimum H20 to remove

24.32 − 10.27 = 14.05 X0.163 = 2.29 x 5 = 11.45 + 5 = 16.45

ac'd [illegible] 11/26/01

Parcel No.: 188
Well ID: CWM-188-MW01
Date: 11.19.01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments
10:05	15.46	10.25	6.37	.439	>999	2.09	18.9	brown/orange	Pump @ 22' btoc PR = .30 gpm
10:20	19.96	12.55	6.61	.434	>999	2.27	19.0	"	pump raised to 21' btoc RR = .30 gpm
10:35	24.46	12.83	6.58	.431	>999	2.35	19.2	orange/tan	"
10:50	28.96	12.96	6.53	.428	1014	2.39	19.2	"	pump raised to 20' btoc PR = .30 gpm
11:05	32.46	12.98	6.74	.422	373	2.17	19.3	tan	"
11:20	36.96	13.03	6.68	.430	345	2.28	19.3	"	"
11:35	41.46	13.05	6.73	.431	180	2.38	19.5	"	Pump raised to 19' btoc PR = .30 gpm
11:50	45.96	12.92	6.65	.412	395	2.22	19.8	"	"
12:05	50.46	12.82	6.70	.429	188	2.31	19.8	orange/tan	Pump ~~raised to~~ at 19' btoc PR raised to .40 gpm
12:20	56.46	13.60	6.61	.418	713	2.27	19.9	orange/tan	"
12:35	62.46	13.96	6.72	.424	1094	2.36	20.3	orange	PR lowered to .25 gpm
12:50	66.21	13.08	6.69	.419	175	2.28	20.1	tan	Pump @ 19' btoc PR = .25 gpm
13:05	69.96	13.00	6.74	.407	270	2.38	20.9	"	"

Parcel No.: 188
Well ID: CWM-188-MW02
Date: 11.19.01 / 11.20.01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments
13:20	73.71	12.98	6.73	.404	221	2.17	20.5	tan	Pump raised to 18' toc PR=.25 gpm
13:35	77.46	12.96	6.74	.411	197	2.21	20.8	"	"
13:50	81.21	12.97	6.72	.406	199	2.31	20.6	"	"
14:05	84.96	12.95	6.73	.407	105	2.28	20.6	light tan	"
14:20	88.71	12.93	6.75	.401	93	2.20	20.5	"	"
14:35	92.46	12.91	6.75	.408	69	2.25	20.3	"	"
14:50	96.21	12.86	6.71	.402	51	2.17	20.5	clear	"
15:05	99.96	12.81	6.70	.402	42	2.23	20.9	"	"
15:20	103.71	12.79	6.72	.407	40	2.26	20.6	"	stopped development for 11.19.01.
08:00	103.71	10.78	—	—	—	—	—	—	restarted development on 11.20.01 Pump=20' toc / PR=.25 gpm
08:15	107.46	11.83	6.56	.402	409	3.26	16.4	orange (cloudy)	"
08:30	111.21	11.93	6.48	.398	290	3.29	16.7	tan	"
08:45	114.96	12.01	6.47	.412	180	3.23	17.9	light tan	"

Parcel No.: 188
Well ID: CWM-188-MW02
Date: 11.19.01 / 11.20.01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments
09:00	118.71	12.03	6.48	.410	175	3.18	17.8	Light Tan	Pump = 20' btoc PR = .25 gpm
09:15	122.46	12.14	6.45	.413	160	3.27	18.0	"	"
09:30	126.21	12.19	6.41	.415	110	3.28	17.8	"	"
09:45	129.96	12.26	6.40	.421	87	3.20	17.9	"	"
10:00	133.71	12.26	6.42	.418	72	3.25	18.0	clear	Well developed.
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Zach Parsons 11.20.01

Groundwater Well Development Log

Fort McClellan, Alabama

Project Number: 786887
Form Completed by: Kyle Wilson
Well Developed by (person/firm): Kyle Wilson (IT)

Parcel No.: 188
Well No.: MW03
Date started: 12/6/01

Monitoring Well Information

Development Method: SURGE & PURGE
Development Equipment: WHALE pump, tubing, WATER LEVEL indicator.
Casing Diameter: 2"

Beginning Measurments
Depth to Water (ft): 18.22
Total depth of Well (ft): ~~46~~ 42.62

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date) (Purge Rate, Pump Position, Misc.)
12:30	0	18.22	6.64	.348	1190	3.12	18.3	Brown	pump @ 42.62' P.R = .25
12:45	11.25	34.3	6.77	.364	1191	2.61	18.1	Brown	pump @ 42.62 PR. .75 decreased .25
13:00	15	33.39	7.04	.350	1229	2.48	19.5	Brown	pump @ 41' PR - .25gpm
13:15	18.75	33.98	7.21	.355	1080	4.44	19.1	Brown	pump @ 41' PR - .25gpm
13:30	20.85	35.04	7.20	.364	1309	4.13	19.7	Brown	pump @ 41' PR - .14gpm
13:45	22.95	36.01 ~~36.14~~	6.93	.379	1301 ~~870~~	2.34	19.7	Brown	pump @ 40' PR - .14gpm ~~.077gpm~~
14:00	24.1	36.14	7.08	.385	870	2.88	20.2	Brown	pump @ 40' PR - .077gpm

TD - DTW = WC x 2"/4' well = One PV x 5 = Min PV + H20 to install well = Minimum H20 to remove

42.62 - 18.22 24.4 x .163 = 4 x 5 = 20 + 70 = 90 gals

QC's Knights
12/12/01

Parcel No.: 188
Well ID: mw03
Date: 12/6/01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
14:15	25.17	35.95	7.11	.373	1260	3.21	20.0°	Brown	Pump @ 42.62' P.R. .071
14:30	26.24	35.74	7.12	.368	1296	2.38	20.4°	Brown	Pump @ 42.62' P.R. .071
14:45	27.31	35.45	7.39	.363	875	2.62	20.5°	Brown	pump @ 42.62' P.R. -0.71
15:00	28.38	35.38	7.21	.354	379	2.81	20.5°	Lt. Brown	pump @ 42.62 P.R. -0.071
15:15	29.45	35.50	7.18	.352	331	2.45	20.3°	Lt. Brown	pump @ 41' P.R. -.071
15:30	30.52	35.44	7.13	.351	310	2.56	20.3°	Lt. Brown	pump @ 40' P.R -.071
15:45	31.59	35.31	~~6.7~~ 7.15 (cov)	.350	184	3.27	20.3°	Lt. Brown	pump @ 39' P.R. -.071
16:00	32.66	35.18	7.41	.349	39.2	2.63	20.2°	~~Lt. Brown~~ Gray Raw	pump @ 38' PR -.071.
16:15	33.73	34.80	7.32	.347	348	3.09	19.5°	Lt. brown	pump @ 42.62 P.R -.071
									KW
07:15	33.73	18.89	7.49	.413	1365	1.80	16.7°	Brown	pump @ 42.62' P.R -.16gpm
07:30	36.23	24.12	7.94	.373	259	2.24	16.9°	Light Brown	pump @ 42.62' P.R -.16gpm

Event 17161

Parcel No.: 188
Well ID: MW03
Date: 12/7/01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
07:45	37.3	27.25	8.13	.371	1378	3.64	17.1	Brown	pump @ 41' P.R-.071
08:00	38.95	28.07	8.07	.369	403	2.72	17.6	Lt. Brown	pump @ 41' P.R-.11
08:15	40.6	28.51	8.05	.369	179	3.08	17.7	Lt. Brown	pump @ 40' P.R-.11
08:30	42.25	28.92	8.18	.370	162	3.35	17.8	Gray	pump @ 39' P.R-.11
08:45	43.9	29.83	8.11	.371	137	3.30	17.6	Gray	pump @ 39' P.R-.11
09:00	45.55	30:38	8.06	.370	66.3	3.44	18.1	Gray/Cloudy	pump @ 38' P.R-.11
: Pump stopped									KW
09:30	45.55	30.18	8.09	.373	1369	3.31	17.7	Brown	Pump @ 42' R.R-.09
09:45	46.90	30.44	8.05	.372	737	2.64	18.4	Brown	pump @ 42' P.R-.09
10:00	48.25	30.74	8.05	.371	281	2.20	18.6	Lt. Brown	pump @ 42' P.R-.09
10:15	49.6	30.94	8.03	.372	226	2.78	18.8	Lt. Brown	pump @ 42' PR-.09
10:30	50.95	31.06	8.00	.372	207	2.96	19.0	Gray	pump @ 42' PR-.09

Parcel No.: 188
Well ID: MW03
Date: 12/10/01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
09 : 45	50.95	17.65	6.64	.413	108.6	3.93	14.6°	Cloudy	Pump @ 30' P.R. .09
10 : 00	52.31	23.51	6.85	.380	92.88	2.88	14.7°	Cloudy	Pump @ 30' P.R. .09
:	Pump	stopped							KW
11 : 00	52.31	21.30	7.10	.385	1248	2.70	14.8	Brown	pump @ 42' P.R. .125
11 : 15	54.19	23.00	7.24	.382	477	2.40	16.0	lt Brown	pump @ 42' P.R. .125
11 : 30	55.69	26.22	7.43	.379	203	2.93	15.5	lt GRAY	pump @ 42' P.R. .1
11 : 45	57.19	27.98	7.56	.376	94	2.60	15.9	gray/cloudy	pump @ 42' P.R. .1
12 : 00	58.55	28.05	7.24	.374	59.7	3.03	16.0	cloudy	pump @ 42' P.R. .09
12 : 15	59.9	28.02	7.28	.373	85.6	3.11	15.9	cloudy	pump @ 41' P.R. .09
12 : 30	61.25	28.05	7.23	.377	44.4	2.99	15.4	cloudy	pump @ 41' P.R. .09
12 : 45	62.60	28.19	7.23	.379	40.5	3.44	15.0	cloudy	pump @ 40' P.R. .09
13 : 00	63.95	28.85	7.26	.383	29	3.06	15.1	cloudy	pump @ 40' P.R. .09

Parcel No.: 188
Well ID: MW03
Date: 12/10/01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
13:15	65.30	29.40	7.40	.389	26.3	3.20	15.4	Cloudy	pump @ 40' P.R .09
13:30	66.65	29.91	7.41	.386	15.6	3.38	15.6	CLEAR	pump @ 40' P.R. .09
13:45	68.0	30.31	7.27	.382	10.1	3.33	15.3	CLEAR	pump @ 40' P.R. .09
14:00	69.35	30.70	7.37	.377	102.1	2.76	15.6	Gray/cloudy	pump @ 42', P.R. .09
14:15	70.70	30.94	7.29	.378	21	3.06	15.5	CLEAR	pump @ 42' P.R .09
14:30	72.05	31.03	7.31	.378	9.3	3.26	15.2	CLEAR	pump @ 42' P.R. .09
14:45	73.4	31.18	7.32	.378	9	3.24	15.0	CLEAR	pump @ 42' P.R. .09
15:00	74.75	31.53	7.30	.380	6.5	3.27	15.6	CLEAR	pump @ 42', P.R. .09
15:15	76.10	31.87	7.32	.380	7.2	3.28	15.7	CLEAR	pump @ 42 P.R. .09
15:30	77.45	32.05	7.34	.381	5.8	3.21	16.1	CLEAR	pump @ 42' P.R. .09
15:45	78.8	32.32	7.35	.380	5	3.17	16.1	CLEAR	pump @ 42' P.R. .09
16:00	80.15	32.78	7.37	.380	5	3.19	16.1	CLEAR	pump @ 42' P.R. .09

Parcel No.: 188
Well ID: mw03
Date: 12/10/01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
16 : 15	81.50	32.87	7.35	.380	6.6	2.37	15.9	CLEAR	pump @ 42' P.R. .09
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12/10/01

Groundwater Well Development Log

Fort McClellan , Alabama

Project Number: 796887
Form Completed by: Kyle Wilson
Well Developed by (person/firm): Kyle Wilson (IT)

Parcel No.: 188
Well No.: mw04
Date started: 12/5/01

Monitoring Well Information

Development Method: Surge & Purge
Development Equipment: Whale pump, water level

Casing Diameter: 2"

Beginning Measurments
Depth to Water (ft): 6.9
Total depth of Well (ft): 24.9

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date) (Purge Rate, Pump Position, Misc.)
08:15	0	6.9	6.89	.405	>1000	0	15.1	brown	Pump @ 24' PR .2gpm
08:30	3	7.87	7.23	.483	965	1.30	19.2	lt. Brown	.2 gpm
08:45	6	8.52	7.35	.474	213	.90	20.2	lt. brown	.2 gpm
09:00	8.5	8.48	7.48	.467	373	1.01	20.4	lt. brown	PR .16gpm Pump @ 23'
09:15	11.8	9.68	7.45	.461	175	-0.84	21	lt. brown ~~.22~~	PR .22gpm
09:30	15.1	9.63	7.47	.460	268	-0.84	20.8	lt. brown	PR .22gpm pump @ 22'
09:45	20.65	10.12	7.37	.442	187	-0.84	21.3	lt. brown	PR .37gpm

TD - DTW = WC x (2')/4' well = One PV x 5 = Min PV + H20 to install well = Minimum H20 to remove

24.7 6.9 17.8 .163 2.9 x 5 14.5 + 5.5 = 19.5 gal

QC'd 12/6/01

Parcel No.: 188
Well ID: mw04
Date: 12/5/01 & 12/6/01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
10:00	26.20	10.23	7.24	.429	1190	0.84	21.4	brown	.37gpm pump @ 21'
10:15	30.7	11.05	7.30	.466	1800	0.82	21.5	brown	.3gpm pump @ 20'
10:30	35.2	11.23	7.30	.454	1469	-0.82	21.8	brown	.3gpm pump @ 19'
10:45	39.7	11.29	7.42	.447	1642	-0.82	21.7	brown	.3gpm pump @ 18'
11:00	44.2	11.52	7.38	.444	700	-0.77	22.2	brown	.3gpm pump @ 17'
11:15	48.7	11.64	7.37	.443	1523	-0.78	22.5	brown	.3gpm pump @ 14' Stopped pumping
12:00	48.7	7.61	7.40	.436	119	-0.75	22.9	lt. brown	.3gpm pump @ 14'
12:15	53.2	10.94	~~7.53~~ 7.43	.453	95	-0.74	23.3	lt. brown	.3gpm pump @ 14'
12:30	57.7	11.12	7.45	.447	78	-0.75	23.4	Gray/cloudy	.3gpm pump @ 13'
12:45	62.2	11.14	7.59	.441	64	-0.72	23.4	Gray/cloudy	.3gpm pump @ 12'
13:00	66.7	11.23	7.47	.437	61	-0.77	23.6	Gray/cloudy	.3gpm pump @ 12'
13:15	71.2	11.24	7.38	.436	67	-0.75	23.6	Gray/cloudy	.3gpm pump @ 12'

Parcel No.: 188
Well ID: MW04
Date: 12/15/01 & 12/5/01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
13:30	75.7	11.03	7.31	.433	50	0.74	23.7	Gray/cloudy	pump @12' .3gpm
13:45	80.2	11.23	7.40	.444	78	0.77	23.7	Gray/cloudy	pump @24' .3gpm Stopped purging
RESUME 14:15	80.2	10.38	7.37	.444	799	0.69	24.6	~~Gray/cloudy~~ BROWN	pump @24' .3gpm
14:30	84.7	10.58	7.47	.457	555	0.71	23.5	Brown	pump @24.7' .3gpm
14:45	89.2	11.22	7.48	.451	190	0.70	23.8	Brown	pump @ 24.7' .3gpm
15:00	93.7	11.28	7.37	.439	675	0.76	23.5	Brown	pump @23 .3gpm
15:15	98.2	12.27	7.57	.447	1374	0.74	23.2	Brown	pump @16' .3gpm
15:30	102.7	12.31	7.38	.438	905	0.76	22.9	Brown	pump @16' .3gpm Stopped for Day
:									KDW
12/6/01 08:00	102.7	7.22	6.01	.543	543	2.04	21.4	Brown	pump @ 24.7' 1.0gpm
08:15	117.7	18.7	6.50	.541	963	1.83	22.2	Brown	pump @ 24.7 1.0gpm KDW
08:30	127.45	15.07	6.41	.507	264	1.57	22.2	lt brown	pump @ 24.7 .65gpm

Parcel No.: 188
Well ID: MW04
Date: 12/6/01 & 12/5/01

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
08:45	137.20	14.8	6.40	.496	82.3	1.54	22.4	gray/cloudy	pump @ 21' PR-.65gpm
09:00	146.95	14.35	6.47	.487	26	2.15	22.7	gray Cloudy	pump @ 21' PR-.65gpm
09:15	158.20	15.83	6.57	.470	297	2.33	22.3	Gray/cloudy	pump @ 20' PR-.75gpm
09:30	169.45	15.97	6.50	.475	180	2.20	22.6	gray/cloudy	pump @ 20' PR-.75gpm
09:45	180.7	16.03	6.56	.473	266	Kw 1.65	22.5	Gray/cloudy	pump @ 18' PR-.75gpm
10:00	191.95	16.15	6.61	.472	85.6	1.57	22.7	Cloudy	pump @ 18' PR-.75gpm
10:15	203.20	16.35	6.55	.470	143	1.95	22.6	Gray/cloudy	pump @ 18' PR.-.75gpm
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