



EA Engineering, Science, and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID Gude-0801-GW SAMPLE NO. _____

WELL/SITE DESCRIPTION OK/Existing

DATE 07/28/10 TIME 0935 AIR TEMP. 85°

WELL DEPTH 77.05 ft CASING HEIGHT 2' ft
 WATER DEPTH 14.58 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 62.47 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 10.2 gallons ($\times 3 = 30.6$) (gal) (L)
 PUMP RATE 1.0 gallons/min (gpm) (LPM)
 PUMP TIME 35 mins min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED N/A (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 35 gal. (gal) ()

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: gallons	std.	us/cm ²	°C	N/A	NTU	$\frac{mg}{L}$		gpm
07/28	1000	10 gal	5.78	1056	17.91	N/A	-182.7	2.95	N/A	1.0 gpm
	1010	20	5.76	1045	16.61	-	-2.9	3.30	14.64	1.0 gpm
	1020	30	5.79	1058	18.32	-	-2.8	4.19	14.64	1.0 gpm

COMMENTS pump on @ 0950 Sample @ 1025

SIGNATURE Bailey



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID Gde-OB02-GW SAMPLE NO. _____

WELL/SITE DESCRIPTION _____

DATE 07/28/10 TIME 1115 AIR TEMP. 90°

WELL DEPTH 115.85 ft CASING HEIGHT 2.5' ft
 WATER DEPTH 17.23 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 98.62 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 16.1 gallons (x3 = 48.3) (gal) (L)
 PUMP RATE 1.5 gallons/min / 1.0 gallons/min (gpm) (LPM)
 PUMP TIME 50 mins min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 50.0 (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: gal.	std.	µS/cm	°C	—	NTU	mg/L		gpm
07/28	1140	15	6.48	624	15.11	N/A	-2.1	0.37	48.25	1.5
	1150	20 30	6.56	551	15.47	—	-177.8	0.36	50.50	1.0
	1200	30 45	6.72	473	15.22	—	-176.9	0.25	51.21	1.0
	1215	45	6.80	404	15.34	—	-1.8	0.13	51.06	1.0
	1220	50	6.81	398	15.38	—	-177.7	0.11	51.11	1.0

COMMENTS pump on @ 1130 Sampled @ 1210-1220
Silty well should have been re-developed when OB02A was done last month. (Black/gray silt)

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID Guide - OBO2A - GW SAMPLE NO. _____

WELL/SITE DESCRIPTION OK / Existing

DATE 07/28/10 TIME 1340 AIR TEMP. 90°

WELL DEPTH 79.06 ft CASING HEIGHT 2.5' ft
 WATER DEPTH 17.01 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 62.05 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 10.1 gallons (x3 = 30.3) (gal) (L)
 PUMP RATE 1.0 gallon/min (gpm) (LPM)
 PUMP TIME 33 mins min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 33 (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: gal.	std.	OC \leftarrow \rightarrow μ S/cm		N/A	NTU	mg/L		gpm
07/28	1410	13	5.57	1109	15.48	N/A	-177.8	0.36	19.58	1.0 gallons/min
	1420	23	5.57	1092	15.40	-	-177.7	0.39	19.58	1.0
	1430	33	5.57	1086	15.47	-	-177.8	0.39	19.58	1.0

COMMENTS pump on @ 1357 Sample @ 1430

SIGNATURE *[Signature]*



15 Loveton Circle
Sparks, Maryland 21152

PURGING LOGBOOK FORM
GROUNDWATER SAMPLES

WELL ID Gude-0803-GW
WELL/SITE DESCRIPTION _____

SAMPLE NO. _____

DATE 07/30/10

TIME 1120

AIR TEMP. 85°

WELL DEPTH 133.13 ft CASING HEIGHT 2.5 ft
 WATER DEPTH 23.41 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 109.72 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 17.9 gallons (x3 = 53.7) (gal) (L)
 PUMP RATE _____ (gpm) (lpm)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	std pH	ms/cm ^c Cond	°C Temp	std ORP	NTU Turb	mg/L DO	Depth to Water from TOC	Pump Rate
07/30	1155	30	5.72	0.955	14.83	47.4	36.4	0.32	30.51	2 gpm
	1205	50	5.68	0.914	15.23	50.4	21.7	0.44	NIR	2 gpm

COMMENTS pump on @ 1140 Sampled @ 1210

DUP-04 collected @ this location => TB24. Regular bottle set TB31
Trip Blank Labeled = Gude-GW-TB24

SIGNATURE Bret J



WELL PURGING AND SAMPLING RECORD

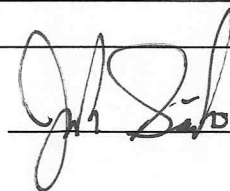
WELL ID 0B03A SAMPLE NO. Grnd-0B03A-GW
 WELL/SITE DESCRIPTION _____

DATE 7/30/10 TIME 1158 AIR TEMP. 85°F

WELL DEPTH 96.42 ft CASING HEIGHT _____ ft
 WATER DEPTH 24.53 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 71.89 ft SANDPACK DIAM. 6" in
 EQUIVALENT VOLUME OF STANDING WATER 11.72 gals x 3 = 35 gals (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:	pH	ms/cm	°C	ORP	NTU	mg/L		gpm
	1212	2 gals	5.45	1.059	15.8	-5.3	1360	4.14	24.95	1
	1228	18 gal	5.83	1.207	16.9	-24	21.8	2.81	25.75	1
	1249	33 gal	5.76	1.192	16.8	-26	6.2	4.19	25.10	1

COMMENTS Sample taken at 1250 with TB-32

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID Guide-0804-GW SAMPLE NO. _____

WELL/SITE DESCRIPTION Good/Existing

DATE 07/29/10 TIME 1205 AIR TEMP. 95°

WELL DEPTH 133.80 ft CASING HEIGHT 2.5' ft
 WATER DEPTH 4.71 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 129.09 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 21.0 gallons (x3=63 gal.) (gal) (L)
 PUMP RATE 1.25 gal./min (gpm) (LPM)
 PUMP TIME 55 mins min
 WELL WENT DRY? () Yes (X) No PUMP TIME _____ min
 VOL. REMOVED N/A (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 68 (gal) (X)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								gpm
<u>07/29</u>	<u>1240</u>	<u>18</u>	<u>N/A</u>						<u>5.13</u>	<u>1.25</u>
	<u>1300</u>	<u>43</u>	<u>"</u>						<u>T-storm</u> <u>NIR</u>	<u>1.25</u>
	<u>1320</u>	<u>68</u>	<u>"</u>						<u>NIR</u>	<u>1.25</u>

COMMENTS pump on @ 1225 Sampled @ 1340
1320 - Pump stopped will sample after t-storms
YSI unavailable reading 999.99 on all parameters. Did not respond to cal. solutions.

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID Guide-0B04A-6W SAMPLE NO. _____

WELL/SITE DESCRIPTION Good / Existing

DATE 07/29/10 TIME 0900 AIR TEMP. 90"

WELL DEPTH 84.85 ft CASING HEIGHT 3' ft
 WATER DEPTH 5.46 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 79.39 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 10.8 gallons (x3=32.4) (gal) (L)
 PUMP RATE 1.25 gallons/min (gpm) (LPM)
 PUMP TIME 28 mins. min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED N/A (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 35 (gal) ()

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: gal.	std.	us/cm ²	°C	N/A	NTU	mg/L		gpm
07/29	0926	10	-9.99	-99999	-9.99	-	-50.2	999.9	NIR	1.25
	0934	20	-	-	-	-	-	-	NIR	1.25
	0942	30	-	-	-	-	-	-	6.75	1.25

COMMENTS pump on @ 0918 Sampled @ 0945
YSI not functioning properly @ this location. Needs troubleshooting before next location.

SIGNATURE BSITV



WELL PURGING AND SAMPLING RECORD

WELL ID 0306 SAMPLE NO. Guide-0306-GW
 WELL/SITE DESCRIPTION _____

DATE 7/26/10 TIME 1335 AIR TEMP. 80°F

WELL DEPTH 68.41 ft CASING HEIGHT _____ ft
 WATER DEPTH 10.07 ft WELL DIAMETER _____ in
 WATER COL. HEIGHT 58.34 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 9.5 gal x 3 = 28.5 gal (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit:	pH	mg/cm ³	°C	ORP	NTU	mg/L	from TOC	gal/min
7/26/10	1350	3 gal	5.89	1.574	13.9	97	876	58.7	18.16	1 gal
	1405	12 gal	5.46	1.550	13.7	175	970	59.3	20.32	1 gal
	1420	28 gal	5.55	1.538	13.6	144	522	59.3	24.52	1 gal

COMMENTS Sample at 1425 with TB-7

SIGNATURE 



EA Engineering, Science, and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID 0B07 SAMPLE NO. Gude-0B07-GW
 WELL/SITE DESCRIPTION _____

DATE 7/26/10 TIME 1005 AIR TEMP. 80°C

WELL DEPTH 142.84 ft CASING HEIGHT 2.31' ft
 WATER DEPTH 8.45 ft WELL DIAMETER 2 in
 WATER COL. HEIGHT 134.39 ft SANDPACK DIAM. 2 in
 EQUIVALENT VOLUME OF STANDING WATER 22 gal x 3 = 66 gals (gal) (L)
 PUMP RATE 1 gal/min (gpm) (LPM)
 PUMP TIME 90 mins min
 WELL WENT DRY? () Yes (X) No PUMP TIME 90 min
 VOL. REMOVED 66 gal (gal) (L) RECOVERY TIME NA min
 PURGE AGAIN? () Yes (X) No TOTAL VOL. REMOVED 66 gal (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: gal	pH	mc/cm ²	°C	ORP	NTU	mg/L		gal/min
7/26/10	1030	3	6.25	0.931	14.4	93	1390	58.2	10.96	0.5
	1100	15 gal	6.64	0.935	13.8	52	69	59.0	10.88	0.5
	1130	38 gal	6.63	0.964	13.7	70	69	59.3	12.87	1.0
	1200	62 gal	6.48	0.978	13.7	101	5.6	59.2	12.76	1.0

COMMENTS Control box continually reads overloaded and pump stops. Must reset pump each time. 1100 pump working. Sample taken at 1215 with TB-5

SIGNATURE [Signature]



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID 0B07A SAMPLE NO. Gude-0B7A-GW
WELL/SITE DESCRIPTION _____

DATE 7/26/10 TIME 1210 AIR TEMP. 85°F

WELL DEPTH 99.33 ft CASING HEIGHT 2.1 ft
WATER DEPTH 8.04 ft WELL DIAMETER 2 in
WATER COL. HEIGHT 91.29 ft SANDPACK DIAM. 6 in
EQUIVALENT VOLUME OF STANDING WATER 14.88 gal x 3 = 44.6 (gal) (L)
PUMP RATE 1 gpm (gpm) (LPM)
PUMP TIME 60 min
WELL WENT DRY? () Yes (X) No PUMP TIME 60 min
VOL. REMOVED 45 (gal) (L) RECOVERY TIME 0 min
PURGE AGAIN? () Yes (X) No TOTAL VOL. REMOVED 45 (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:	pH	ms/cm ²	°C	ORP	NTU	mg/L		g/m.m.
7/26/10	1210	3 gal	5.85	2.980	12.7	103	290	61.1	8.54	1 gal/m.m.
	1240	25 gal	5.88	2.897	13.2	85.5	3.6	60.2	8.67	1
	1310	45 gal	5.73	0.910	12.9	131	4.2	60.9	8.67	1 gal

COMMENTS Sample @ 1315 with TB-6

SIGNATURE John S. [Signature]



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID 6ude-0808-GW SAMPLE NO. _____

WELL/SITE DESCRIPTION OK/Existing

DATE 07/27/10 TIME 1030 AIR TEMP. 85°

WELL DEPTH 140.00 ft CASING HEIGHT 2.5' ft
 WATER DEPTH 6.67 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 133.33 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 21.7 gallons (x3=65.2) (gal) (L)
 PUMP RATE 1.5 gpm (gpm) (LPM)
 PUMP TIME 50 mins min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED N/A (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 75 (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: gal.	std.	us/cm ²	°C	MVA	NTU	mg/L		gpm
07/27	1107	25	6.48	554	14.38	N/A	-1.8	0.34	NIR	1.5
	1125	50	6.38	550	14.36	-	-176.6	0.34	NIR	1.5
	1140	75	6.37	553	14.36	-	-176.6	0.32	NIR	1.5

COMMENTS sampled @ 1140 Pump on @ 1050

DTW readings unavailable. After pump put in well the riser separated @ a non-glucon coupling approx 18" below top of well. Didn't want to tangle DTW meter

SIGNATURE



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID Guide-0308A-GW SAMPLE NO. _____

WELL/SITE DESCRIPTION Good/Existing

DATE 07/27/10 TIME 1220 AIR TEMP. 85°

WELL DEPTH 82.23 ft CASING HEIGHT 3' ft
 WATER DEPTH 7.18 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 75.05 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 12.2 gallons (x3=36.7) (gal) (L)
 PUMP RATE 1.0 gpm (gpm) (LPM)
 PUMP TIME 40 mins min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED N/A (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 40 (gal) ()

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: gal.	std.	us/cm ²	OC	-	NTU	mg/L		gpm
07/27	1245	10	6.20	596	14.69	N/A	-176.9	0.45	8.96	1.0
	1255	20	6.21	592	14.66	-	-176.9	0.43	9.03	1.0
	1315	40	6.22	589	14.64	-	-1.3	0.39	9.09	1.0

COMMENTS Sampled @ 1315

Pump on @ 1235

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID OB10 SAMPLE NO. Grnd-OB10-GV
 WELL/SITE DESCRIPTION _____

DATE 7/29/10 TIME 1230 AIR TEMP. 92°F

WELL DEPTH 69.72 ft CASING HEIGHT _____ ft
 WATER DEPTH 7.22 ft WELL DIAMETER 3 in
 WATER COL. HEIGHT 62.50 ft SANDPACK DIAM. 6 in
 EQUIVALENT VOLUME OF STANDING WATER 10.18 gal × 3 = 30.56 (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
	1250	2gal	5.83	0.595	14.6	-0.8	79.4	1.41	8.61	
	1300	15gal	5.81	0.545	14.9	24	7.8	1.31	8.78	

COMMENTS Sam

SIGNATURE



EA Engineering, Science, and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID AW-11 OB-11 SAMPLE NO. Gude-MW11-GW
 WELL/SITE DESCRIPTION Gode Landfill

DATE 7/26/10 TIME 11:13 AIR TEMP. 79

WELL DEPTH 103.78 ft CASING HEIGHT _____ ft
 WATER DEPTH 9.12 ft WELL DIAMETER _____ in
 WATER COL. HEIGHT 94.66 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 15.4 (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: GAL								
	1118	-	5.67	1296	16.93					
	1137	20	5.68	1307	17.52					
	1203	47	5.65	1317	17.77					

COMMENTS Sampled @ 1206
Duplicate Gude-GW-DUP-1

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD


WELL ID MW-11A 0B11A SAMPLE NO. Gode-MW11A-GW
WELL/SITE DESCRIPTION _____

DATE 7/26/10 TIME 0951 AIR TEMP. 72

WELL DEPTH 66.64 ft CASING HEIGHT _____ ft
WATER DEPTH 8.89 ft WELL DIAMETER _____ in
WATER COL. HEIGHT 57.75 ft SANDPACK DIAM. _____ in
EQUIVALENT VOLUME OF STANDING WATER 9.42 (gal) (L)
PUMP RATE _____ (gpm) (LPM)
PUMP TIME _____ min
WELL WENT DRY? () Yes () No PUMP TIME _____ min
VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
	1015	1	5.78	1443	17.40					
	1034	10	5.78	1400	17.67					
	1057	20	5.78	1403	17.51					

COMMENTS Sampled @ 1057

SIGNATURE 



EA Engineering, Science, and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID 0B12 SAMPLE NO. Guide-0B12-GW
 WELL/SITE DESCRIPTION _____

DATE 7/28/10 TIME 0840 AIR TEMP. 87°F

WELL DEPTH 28.91 ft CASING HEIGHT 37 in ft
 WATER DEPTH 19.04 ft WELL DIAMETER 2 in in
 WATER COL. HEIGHT 9.87 ft SANDPACK DIAM. 6 in in
 EQUIVALENT VOLUME OF STANDING WATER 1.61 gals X 3 = 4.83 gal (gal) (L)
 PUMP RATE 0.5 gpm (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes (X) No PUMP TIME _____ min
 VOL. REMOVED 5 (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes (X) No TOTAL VOL. REMOVED 5 (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: gal	pH	mc/cm ²	°C	ORP	NTU	mg/L		gal/min
7/28/10	0918	1 gal	5.43	0.481	14.9	72	10.0	5.51	20.49	0.5
	0922	2.5	5.57	0.472	15.7	82	2.9	4.61	20.42	0.5
	0927	5	5.66	0.473	15.8	90	6.2	5.05	20.48	0.5

COMMENTS Sample at 0930 with TB-11

SIGNATURE [Signature]



EA Engineering, Science, and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID OBØ25 SAMPLE NO. Gude-OBØ25-GW

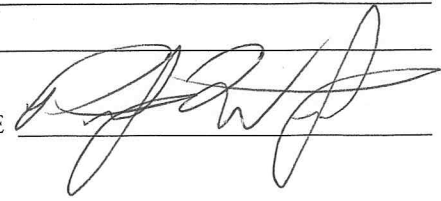
WELL/SITE DESCRIPTION _____

DATE 7/26/10 TIME 1219 AIR TEMP. 85

WELL DEPTH 17.29 ft CASING HEIGHT _____ ft
 WATER DEPTH 8.88 ft WELL DIAMETER _____ in
 WATER COL. HEIGHT 8.41 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 1.37 (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? Yes () No PUMP TIME _____ min
 VOL. REMOVED 1.1 (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: <u>Gal</u>								
<u>7/26</u>	<u>1233</u>	<u>0.3</u>	<u>6.26</u>	<u>12.41</u>	<u>18.61</u>					
	<u>1254</u>	<u>Well Dry, resume purge at 1311</u>								
	<u>1318</u>	<u>Well Dry</u>								

COMMENTS Sampled @ 1333

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

WELL ID 0B102 SAMPLE NO. Gude-0B102-GW
 WELL/SITE DESCRIPTION _____

DATE 7/27/10 TIME 1000 AIR TEMP. 82° F

WELL DEPTH 24.35 ft CASING HEIGHT 26.5 ft
 WATER DEPTH 11.80 ft WELL DIAMETER 2 in
 WATER COL. HEIGHT 12.55 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 2.04 gal x 3 = 6.14 (gal) (L)
 PUMP RATE 0.8 gal/min (gpm) (LPM)
 PUMP TIME 10 mins min
 WELL WENT DRY? () Yes (X) No PUMP TIME 10 min
 VOL. REMOVED 8 (gal) (L) RECOVERY TIME — min
 PURGE AGAIN? () Yes (X) No TOTAL VOL. REMOVED 8 (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
7/27/10	1025	1 gal	6.41	3.315	16.2	-106	56	32.6	13.25	
	1030	4 gal	6.29	2.427	15.4	-107	193	31.9	13.25	
	1035	8 gals	6.25	3.428	15.2	-107	251	30.7	13.32	

COMMENTS DO meter malfunctioning
Sampled at 1035 with TB-8

SIGNATURE



15 Loveton Circle
Sparks, Maryland 21152

PURGING LOGBOOK FORM
GROUNDWATER SAMPLES

WELL ID Guide - 03105 - GW SAMPLE NO. _____
WELL/SITE DESCRIPTION OK / Existing

DATE 07 / 30 / 10 TIME 0915 AIR TEMP. 80°

WELL DEPTH 17.37 ft CASING HEIGHT F.M. ft
WATER DEPTH 2.93 ft WELL DIAMETER 4" in
WATER COL. HEIGHT 14.44 ft SANDPACK DIAM. _____ in
EQUIVALENT VOLUME OF STANDING WATER 2.4 gallons (23 = 7.2) (gal) (L)
PUMP RATE _____ (gpm) (lpm)
PUMP TIME _____ min
WELL WENT DRY? () Yes () No PUMP TIME _____ min
VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond	Temp	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
	0936	3 gal.	6.61	3.362	17.15	-70.2	828	0.26	5.49	0.5 gpm
	0942	6	6.52	2.990	16.47	-42.4	159.4	0.47	5.88	"
	0948	9	6.45	2.929	16.83	-31.3	68.6	0.26	6.12	0.5 gpm

COMMENTS pump on @ 0930 Sampled @ 0950
Using new YSI brought onsite today from Loveton warehouse.

DUP-03 collected @ this location → TB22. Regular bottle set TB23
→ Trip Blank label = Guide - GW - TB22

SIGNATURE Bruce

WELL PURGING AND SAMPLING RECORD

WELL ID MW-1B SAMPLE NO. Gude-MW1B-GW
WELL/SITE DESCRIPTION _____

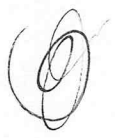
DATE 7/28/10 TIME 1230 AIR TEMP. 92°F

WELL DEPTH 97.85 ft CASING HEIGHT 25" ft
 WATER DEPTH 44.81 ft WELL DIAMETER 2 in
 WATER COL. HEIGHT 53.04 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 8.65 x 3 = 26 gal (gal) (L)
 PUMP RATE 0.5 gpm (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes (X) No PUMP TIME 45 min
 VOL. REMOVED 26 (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes (X) No TOTAL VOL. REMOVED 26 (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
	1255	3 gal	6.29	0.107	17.2	47	851	6.02	42.55	1.5 gpm
	1315	14 gal	6.11	0.104	17.8	95	81	5.09	46.35	0.5 gpm
	1340	26 gal	6.07	0.104	18.2	113	78	4.06	46.39	0.5 gpm

COMMENTS Sampled at 1345 with TB-19

SIGNATURE [Signature]





WELL PURGING AND SAMPLING RECORD

WELL ID MW-3A SAMPLE NO. Guide-MW3A-GW
 WELL/SITE DESCRIPTION _____

DATE 7/27/10 TIME 1320 AIR TEMP. _____

WELL DEPTH 75.20 ft CASING HEIGHT 32.75" ft PVC 28.5"
 WATER DEPTH 62.00 ft WELL DIAMETER _____ in
 WATER COL. HEIGHT 13.80 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 2.25 gal x 3 = 6.75 gal (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
	1330	1 gal	5.35	0.077	15.3	115	265	9.60		
	1340	5 gal	5.38	0.080	15.4	133	143	8.70		

COMMENTS Sample at 1405 with TB-10

SIGNATURE [Signature]



WELL PURGING AND SAMPLING RECORD

WELL ID MW-2B SAMPLE NO. Guid. MW2B-GW
 WELL/SITE DESCRIPTION _____

DATE 7/27/18 TIME 1130 AIR TEMP. 89°F

WELL DEPTH 108.02 ft CASING HEIGHT 23 3/4 in ft PVC 20.75 in a.
 WATER DEPTH 60.58 ft WELL DIAMETER 2 in
 WATER COL. HEIGHT 47.44 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 7.73 gal x 3 = 23.20 gal (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
7/27/18	1210	1 gal	5.89	0.116	16.53	-2.5	804	9.27	60.58	
	1235	13 gal	5.38	0.077	16.6	-27	18.7	9.73	60.59	
	1255	23 gal	5.34	0.073	16.5	-5.5	11.4	9.62	60.59	

COMMENTS Sampled at 1300 with TB-9

SIGNATURE John Dick



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

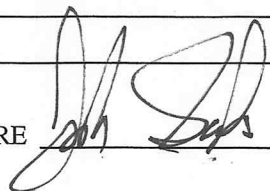
WELL ID MW-3A SAMPLE NO. Code-MW3A-GW
WELL/SITE DESCRIPTION _____

DATE 7/29/10 TIME 1020 AIR TEMP. 89°F

WELL DEPTH 26.16 ft CASING HEIGHT 26 in ft 21 in ags
 WATER DEPTH 9.81 ft WELL DIAMETER 2 in
 WATER COL. HEIGHT 16.35 ft SANDPACK DIAM. 6 in
 EQUIVALENT VOLUME OF STANDING WATER 2.66 gal x 3 = 8 gal (gal) (L)
 PUMP RATE 1 gpm (gpm) (LPM)
 PUMP TIME 10 mins min
 WELL WENT DRY? Yes No PUMP TIME _____ min
 VOL. REMOVED 2 gal (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? Yes No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit:	pH	ms/cm	°C	ORP	NTU	mg/L	from TOC	gpm
	1022	1 gal	8.81	0.069	13.6	101	142	2.39	11.26	1
	1026	4 gal	8.36	0.012	14.2	125	139	2.35	12.71	1
	1030	8 gal	8.36	0.012	14.2	132	87	2.34	12.89	1

COMMENTS Sample taken at 1035 with TB-25

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

WELL ID MW-3B SAMPLE NO. Gude-MW3B-GW
 WELL/SITE DESCRIPTION _____

DATE 7/29/10 TIME 0920 AIR TEMP. 88° F

WELL DEPTH 96.72 ft CASING HEIGHT 24" ft 17.75" ags
 WATER DEPTH 10.89 ft WELL DIAMETER 2 in
 WATER COL. HEIGHT 85.83 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 14 gal x 3 = 42 gals (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME 30 mins min
 WELL WENT DRY? Yes () No PUMP TIME _____ min
 VOL. REMOVED 16 (gal) (L) RECOVERY TIME 90 min
 PURGE AGAIN? Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
	<u>0945</u>	<u>1 gal</u>	<u>10.78</u>	<u>0.642</u>	<u>14.5</u>	<u>5.3</u>	<u>1599</u>	<u>1.17</u>	<u>20.12</u>	

COMMENTS 1017 well went dry. Will allow recharge and then
sample. 16 gals purged
Take sample @ 1120 with T03-26

SIGNATURE



WELL PURGING AND SAMPLING RECORD

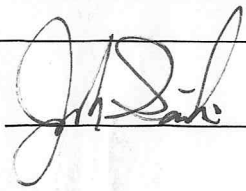
WELL ID ~~0810~~ MW-4 SAMPLE NO. Guide - 2010-5W
 WELL/SITE DESCRIPTION _____

DATE 7/30/10 TIME 0845 AIR TEMP. 80° F

WELL DEPTH 28.21 ft CASING HEIGHT _____ ft
 WATER DEPTH 6.50 ft WELL DIAMETER _____ in
 WATER COL. HEIGHT 21.71 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 3.54 gal x 3 = 10.62 gal (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
7/30/10	0858	3 gal	5.94	0.424	16.6	88	1608	3.09	7.88	
7/30/10	0901	6 gals	5.92	0.917	15.2	95	1269	3.38	8.00	
7/30/10	0905	10 gal	5.88	0.683	14.8	74	172	3.45	8.12	

COMMENTS Sample @ 0915 with TB-28 and DUP-2

SIGNATURE 



EA Engineering, Science,
and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID Grde - MW06 - GW SAMPLE NO. _____

WELL/SITE DESCRIPTION Good / New

DATE 07/28/10 TIME 0810 AIR TEMP. 80°

WELL DEPTH 27.43 ft CASING HEIGHT 2.5' ft
 WATER DEPTH 16.24 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 11.19 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER (1.8 gallons) (x3 = 5.5 gallons) (gal) (L)
 PUMP RATE 1.0 L/min (gpm) (LPM)
 PUMP TIME 27 mins min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED N/A (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 7.1 gallons (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Liters	std.	µs/cm ²	°C	—	NTU	mg/L		Liters/min
<u>07/28</u>	<u>0835</u>	<u>7.0 L</u>	<u>5.84</u>	<u>1226</u>	<u>18.93</u>	<u>N/A</u>	<u>-3.8</u>	<u>1.25</u>	<u>18.27</u>	<u>1.0 L/min</u>
	<u>0845</u>	<u>17.0</u>	<u>5.89</u>	<u>1238</u>	<u>19.40</u>	<u>—</u>	<u>-3.5</u>	<u>2.27</u>	<u>19.32</u>	<u>1.0 L/min</u>
	<u>0855</u>	<u>27.0</u>	<u>5.88</u>	<u>1229</u>	<u>17.83</u>	<u>—</u>	<u>-80.0</u>	<u>3.33</u>	<u>N/A</u>	<u>1.0 L/min</u>

COMMENTS pump on @ 0828 Sampled @ 0855

SIGNATURE B. H. G.



15 Loveton Circle
Sparks, Maryland 21152

PURGING LOGBOOK FORM
GROUNDWATER SAMPLES

WELL ID Guide - MW07 - GW SAMPLE NO. _____

WELL/SITE DESCRIPTION Good / New

DATE 08 10 21 10 TIME 0850 AIR TEMP. 80°

WELL DEPTH 55.47 ft CASING HEIGHT 28" ft ^{Top of PVC}
 WATER DEPTH 42.90 ft WELL DIAMETER 2" in = 23.5"
 WATER COL. HEIGHT 12.57 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 2.1 gallons (X3=6.3) (gal) (L)
 PUMP RATE 0.25 gal/min (gpm) (lpm)
 PUMP TIME 26 mins min
 WELL WENT DRY? () Yes (X) No PUMP TIME _____ min
 VOL. REMOVED N/A (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 6.5 (gal) (X)

Date	Time	Volume Removed	pH	Cond	Temp	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
08/02	0913	2	6.08	1.175	17.04	53.7	12.8	0.43	45.16	0.25 gpm
	0921	4	6.05	1.131	17.56	54.1	10.1	0.39	-	"
	0929	6	6.03	1.130	18.10	53.8	8.4	0.38	45.57	0.25 gpm

COMMENTS pump on @ 0905 Sampled @ 0931 Trip Blank = #34

SIGNATURE Brilly



15 Loveton Circle
Sparks, Maryland 21152

PURGING LOGBOOK FORM
GROUNDWATER SAMPLES

WELL ID Guide - MW08 - GW
WELL/SITE DESCRIPTION Good / New

SAMPLE NO. _____

DATE 07/30/10

TIME 1330

AIR TEMP. 85°

WELL DEPTH 32.18 ft CASING HEIGHT 27.25" ft *PVC = 24.50"*
 WATER DEPTH 23.75 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 8.43 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 1.4 gallons (x3 = 4.2) (gal) (L)
 PUMP RATE _____ (gpm) (lpm)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond	Temp	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
07/30	1348	1.5	5.88	0.994	19.37	106.7	542.1	0.73	NIR	0.5 gpm
	1351	3.0	5.82	0.996	17.20	116.5	473.3	0.71	NIR	"
	1354	4.5	5.81	0.996	18.43	111.3	466.8	0.70	NIR	"

COMMENTS pump on @ 1345 Sample @ 1355 TB=3 @ this location

SIGNATURE _____



15 Loveton Circle
Sparks, Maryland 21152

PURGING LOGBOOK FORM
GROUNDWATER SAMPLES

WELL ID Gude-MW09-GW SAMPLE NO. _____

WELL/SITE DESCRIPTION Good/New

DATE 08/02/10 TIME 1030 AIR TEMP. 80°

WELL DEPTH 24.09 ft CASING HEIGHT F.M. ft Top of PVC approx 25" bgs
 WATER DEPTH 19.02 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 5.07 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 0.83 gallons (x3=2.49) (gal) (L)
 PUMP RATE 0.75 L/min (gpm) (lpm)
 PUMP TIME 15 mins. min
 WELL WENT DRY? () Yes (X) No PUMP TIME _____ min
 VOL. REMOVED N/A (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 3.0 (gal) (L)

Date	Time	Volume Removed	pH	Cond	Temp	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
08/02	1048	1.0 gal.	5.61	0.140	19.73	87.4	509.7	232	20.65	750 ml/min
	1053	2.0	5.42	0.143	20.52	110.2	628.8	257	21.03	"
	1058	3.0	5.41	0.143	20.80	108.7	658.0	243	NIR	750 ml/min

COMMENTS pump on @ 1043 Sample @ 1058 TB# 35

SIGNATURE B. H. [Signature]



EA Engineering, Science, and Technology, Inc.

WELL PURGING AND SAMPLING RECORD

WELL ID MW-10 SAMPLE NO. Guide-MW10-GW
 WELL/SITE DESCRIPTION _____

DATE 8 / 2 / 16 TIME 1055 AIR TEMP. _____

WELL DEPTH 24.40 ft CASING HEIGHT 4.5" bgs ft
 WATER DEPTH 8.22 ft WELL DIAMETER 2 in
 WATER COL. HEIGHT 16.18 ft SANDPACK DIAM. 6 in
 EQUIVALENT VOLUME OF STANDING WATER 2.04 gals x 3 = 7.91 gals (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
	1058	1 gal	5.90	0.162	14.2	162	1597	2.96	12.45	
	1101	4 gals	6.02	0.087	15.8	123	1604	3.64	13.35	
	1114	8 gals	6.05	0.196	16.1	132	1032	3.31	14.92	

COMMENTS Sample at 1110 with TB-39

SIGNATURE [Signature]

MB 95-1142



WELL PURGING AND SAMPLING RECORD

WELL ID MW-11A SAMPLE NO. Guid-MW11A-GW
 WELL/SITE DESCRIPTION _____

DATE 8/2/10 TIME 0950 AIR TEMP. 75°F

WELL DEPTH 29.11 ft CASING HEIGHT 0 ft *-4" pvc bgs*
 WATER DEPTH 16.79 ft WELL DIAMETER 2 in
 WATER COL. HEIGHT 12.32 ft SANDPACK DIAM. 6 in
 EQUIVALENT VOLUME OF STANDING WATER 2 gals x 3 = 6 gals (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
	0957	1 gal	6.74	0.100	14.1	98	720	5.20	18.99	
	1002	3 gal	5.93	0.084	15.1	133	1601	3.87	20.95	
	1007	6 gals	5.94	0.068	16.8	123	730	3.73	21.81	

COMMENTS Sample at 1015 with TB-38

MO-951143

SIGNATURE



WELL PURGING AND SAMPLING RECORD

WELL ID MW-11B SAMPLE NO. Guide-MW11B-GW

WELL/SITE DESCRIPTION _____

DATE 8/2/10 TIME 0845 AIR TEMP. 75°F

WELL DEPTH 90.51 ft CASING HEIGHT _____ ft
 WATER DEPTH 17.92 ft WELL DIAMETER _____ in
 WATER COL. HEIGHT 72.59 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 11.83 gals x 3 = 35.5 gal (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
8/2/10	0900	2 gals	9.98	0.231	14.9	-66	1072	9.90	20.50	
	0912	15 gals	9.31	0.199	14.5	-5	571	8.40	19.80	
	0940	35 gals	7.96	0.181	15.5	67	31	4.79	19.78	

COMMENTS Sample taken at 0945 with TB-37

SIGNATURE

57-39

MBC 115K



15 Loveton Circle
Sparks, Maryland 21152

PURGING LOGBOOK FORM
GROUNDWATER SAMPLES

WELL ID Guide MW12-6W SAMPLE NO. _____
WELL/SITE DESCRIPTION Good/New

DATE 08/02/10 TIME 1145 AIR TEMP. 80°

WELL DEPTH 24.63 ft CASING HEIGHT F.M. ft Top of PVC approx 6.75' bgs
 WATER DEPTH 14.79 ft WELL DIAMETER 2" in
 WATER COL. HEIGHT 9.84 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 1.60 gallons (x3=4.8) (gal) (L)
 PUMP RATE 1.0 L/min (gpm) (lpm)
 PUMP TIME 19 mins. min
 WELL WENT DRY? () Yes (X) No PUMP TIME _____ min
 VOL. REMOVED N/A (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED 5.0 (gal) (L)

Date	Time	Volume Removed	pH	Cond	Temp	ORP	Turb	DO	Depth to Water from TOC	Pump Rate
	1200	1.0	5.20	1.338	19.30	114.0	969.8	2.57	15.62	1.0 L/min
	1208	3.0	4.99	1.368	18.84	134.1	57.2	2.88	15.63	1.0 L/min
	1216	5.0	4.92	1.369	18.88	134.6	29.9	2.95	15.63	1.0 L/min

COMMENTS pump on @ 1157 Sampled @ 1216 TB=#36

SIGNATURE *Brittany*



WELL PURGING AND SAMPLING RECORD

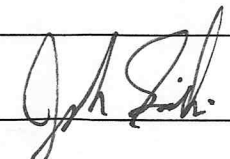
WELL ID MW-13A SAMPLE NO. Gude-MW13A-GW
 WELL/SITE DESCRIPTION _____

DATE 7/30/10 TIME 1120 AIR TEMP. 85°F

WELL DEPTH 26.53 ft CASING HEIGHT 26.34" ft ~~rev 22.5~~ 24.5
 WATER DEPTH 7.18 ft WELL DIAMETER 2 in
 WATER COL. HEIGHT 19.40 ft SANDPACK DIAM. 6 in
 EQUIVALENT VOLUME OF STANDING WATER 3.16 gal x 3 = 9.5 gals (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:								
7/30/10	1123	3 gal	5.22	0.391	14.6	141	1262	4.38	9.56	
	1129	5 gal	5.15	0.391	14.3	160	893	4.95	10.36	
	1135	10 gal	5.12	0.216	14.3	170	650	5.09	11.21	

COMMENTS Sampled at 1150 with TB-30

SIGNATURE 



WELL PURGING AND SAMPLING RECORD

WELL ID MW13B SAMPLE NO. Gude-MW13B-GW
 WELL/SITE DESCRIPTION _____

DATE 7/30/10 TIME 1000 AIR TEMP. 82° F

WELL DEPTH 97.17 ft CASING HEIGHT 26" ft 22.5"
 WATER DEPTH 6.15 ft WELL DIAMETER _____ in
 WATER COL. HEIGHT 91.02 ft SANDPACK DIAM. _____ in
 EQUIVALENT VOLUME OF STANDING WATER 14.84 gal x 3 = 44.5 gal (gal) (L)
 PUMP RATE _____ (gpm) (LPM)
 PUMP TIME _____ min
 WELL WENT DRY? () Yes () No PUMP TIME _____ min
 VOL. REMOVED _____ (gal) (L) RECOVERY TIME _____ min
 PURGE AGAIN? () Yes () No TOTAL VOL. REMOVED _____ (gal) (L)

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit:	pH	ms/cm	°C	ORP	NTU	mg/L		gpm
7/30/10	1020	3 gals	5.91	0.719	13.3	140	83.3	3.25	7.28	6.5
7/30/10	1039	21 gals	5.95	0.717	13.5	130	4.9	3.58	6.81	1.0
7/30/10	1104	42 gal	6.09	0.719	13.4	130	3.5	4.45	6.81	1.0

COMMENTS Take sample @ 1110 with TB-29

SIGNATURE