Exhibit 1:

Monitoring Well Development Log

Date: 7/24/00

Well No. MW06

Depth from top of well casing: 21.84 pmm ~~22.12 bgs~~

Top of water (ft.) 24.22-2.38(SW)

Bottom of well (ft.) 33.75 ΔH = 9.53

Well diameter (in.) 2"

Top, sampling interval 16.0'

Bottom, sampling interval 31.0'

V = 0.0408 x ΔH(ft) x D(in)^2 1.56 (gal.)

5 x V = 4.67 pmm 7.8 (gal.)

Well Development Technique:

- [x] ~~Redi-Flo 2 submersible pump~~ Blue Whale submersible Pump 12v DC
- [x] Surge Block PVC
- [ ] Bailer
- [ ]

Ground Water Parameters:

		±10%	±3%	±1°C	±0.2	
Volume 0	Time 12:05	Turb 990	SC .659	Temp 29.0c	pH 7.35	OVA 0
Volume 1.5gal	Time 12:06	Turb 990	SC .519	Temp 21.3c	pH 7.57	OVA 0
Volume 3gal	Time 12:07	Turb 990	SC .487	Temp 20.4c	pH 7.48	OVA 0
Volume 5gal	Time 12:08	Turb 990	SC .467	Temp 20.2c	pH 7.43	OVA 0
Volume 6gal	Time 12:10	Turb 990	SC .466	Temp 20.3c	pH 7.62	OVA 0
Volume 8gal	Time 12:11	Turb 990	SC .460	Temp 20.0c	pH 7.50	OVA
Volume 11gal	Time 12:15	Turb 990	SC .479	Temp 20.8c	pH 7.44	OVA

Notes (i.e., weather, equipment status, other) Clear, 85°F, breezy (5-10 mph out of south) Parameter stable after 8gallon (total) removed. Continued removal of gw in attempts to lower turbidity. 35 gallons finally removed with slight lowering of turbidity.

Development Oversight Phil Hammon

Exhibit 1:

Monitoring Well Development Log

Well No. MW06

Date: 7/24/00

Depth from top of well casing:

Top of water (ft.)_____

Bottom of well (ft.)_____

Well diameter (in.)_____

Top, sampling interval_____

Bottom, sampling interval_____

$V = 0.0408 \times \Delta H(ft) \times D(in)^2$_____(gal.)

$3 \times V =$_____(gal.)

Well Development Technique:

- ☑ ~~Redi-Flo 2 submersible pump~~ Blue Work Submersible Pump 12V DC
- ☑ Surge Block PVC
- ☐ Bailer
- ☐

Ground Water Parameters:

Volume 13gal	Time 12:17	Turb 990	SC .452	Temp 20.3c	pH 7.34	OVA
Volume 16gal	Time 12:20	Turb 990	SC .465	Temp 20.5c	pH 7.43	OVA
Volume 19gal	Time 12:22	Turb 990	SC .451	Temp 20.0c	pH 7.34	OVA
Volume 21gal	Time 12:25	Turb 950	SC .446	Temp 20.4c	pH 7.25	OVA
Volume 24gal	Time 12:27	Turb 640	SC .457	Temp 19.9c	pH 7.15	OVA
Volume 26gal	Time 12:30	Turb 990	SC .449	Temp 21.2c	pH 7.19	OVA
Volume 30gal	Time 12:33	Turb ~~440~~ 960	SC .456	Temp 20.4c	pH 7.18	OVA
35gal	12:37	740	.450	20.8c	6.97	

N/A

Notes (i.e., weather, equipment status, other) Clear, 85°c Breezy (5-10mph out of South)

Development Oversight: Phil Hammons

Exhibit 1:

Monitoring Well Development Log

Date: 7/24/00
7/25/00

Well No. MW07

Depth from top of well casing:

Top of water (ft.) 14.38 - 2.5 (SW) 11.88 bgs
Bottom of well (ft.) 26.24 ΔH 11.86
Well diameter (in.) 2"

Top, sampling interval 8.0'
Bottom, sampling interval 23.0'
V = 0.0408 x ΔH(ft) x D(in)^2 1.94 (gal.)
5 x V = 9.68 (gal.)

Well Development Technique:

- [x] ~~Redi-Flo 2~~ submersible pump Blue Whale 12V DC
- [x] Surge Block PVC
- [x] Bailer Weighted
- [ ]

Ground Water Parameters:

		±10%	±3%	±1°C	±0.2	
Volume 2gal	Time 1300	Turb 990	SC .881	Temp 25.0	pH 7.21	OVA
Volume 4gal	Time 1304	Turb 990	SC .818	Temp 22.5	pH 7.28	OVA
Volume 5gal	Time 1410	Turb 990	SC .919	Temp 25.2	pH 6.88	OVA
Volume 6gal	Time 1412	Turb 990	SC .900	Temp 23.1	pH 6.42	OVA
Volume 7gal	Time 1416	Turb 990	SC .833	Temp 21.9	pH 6.65	OVA
Volume 8gal	Time 1417	Turb 990	SC .794	Temp 21.6	pH 6.61	OVA
Volume 9gal	Time 1419	Turb 990	SC .797	Temp 21.4	pH 6.49	OVA
10gal	1423	990	.805	22.2	6.65	

Pumped dry at 4gal.

Notes (i.e., weather, equipment status, other) Clear, 85°F, breezy (5-10mph out of south) Well pumped dry after 4gallons removed. Let well recover and continued development with weighted bailer. Bailed dry after 10.5 total gallons removed. Parameters stable after 10gallons removed. 7/25/00 removed another 10gallons w/ bailer in attempt to to clean up well and remove sediment.

Development Oversight: Phil Hammond

Exhibit 1: **Monitoring Well Development Log**

Well No. MW07

Date: 7/24/00
7/25/00

Depth from top of well casing:

Top of water (ft.)_____
Bottom of well (ft.)_____
Well diameter (in.)_____

Top, sampling interval_____
Bottom, sampling interval_____
$V = 0.0408 \times \Delta H(ft) \times D(in)^2$_____(gal.)
$3 \times V =$_____(gal.)

Well Development Technique:

- [x] ~~Redi-Flo~~2 submersible pump Blue Whale 12 V DC
- [x] Surge Block PVC
- [x] Bailer Weighted
- [ ] _____

Ground Water Parameters:

Bailed Dry

Volume 105	Time 1426	Turb 990	SC .800	Temp 21.8	pH ~~7.05~~ 6.96	OVA
Volume	Time	Turb	SC	Temp	pH	OVA
Volume	Time	Turb	SC	Temp	pH	OVA
Volume	Time	Turb	SC	Temp	pH	OVA
Volume	Time	Turb	SC	Temp	pH	OVA
Volume	Time	Turb	SC	Temp	pH	OVA
Volume	Time	Turb	SC	Temp	pH	OVA

Notes (i.e., weather, equipment status, other) Clear, 85°F, breezy (5-10mph out of south)

Development Oversight: Phil Hammons

Exhibit 1:

Monitoring Well Development Log

Date: 7/24/00
7/25/00

Well No. MW08

Depth from top of well casing: 20.52 bgs

Top of water (ft.) 23.28 - 2.76 (SU)
Bottom of well (ft.) 28.00 ΔH 4.72
Well diameter (in.) 2"

Top, sampling interval 10.0'
Bottom, sampling interval 25.0'
V = 0.0408 x ΔH(ft) x D(in)^2 0.77 (gal.)
S7 x V = 3.85 (gal.)

Well Development Technique:

- [x] ~~Redi-Flo 2~~ submersible pump Blue Whale, 12V DC
- [x] Surge Block PVC
- [ ] Bailer
- [ ]

Ground Water Parameters:

		±10%	±3%	±1°C	±0.2	
Volume 1gal	Time 1340	Turb 990	SC .6.732	Temp 22.5	pH 7.68	OVA
Volume 2gal	Time 1342	Turb 990	SC .686	Temp 22.0	pH 7.61	OVA
Volume 3gal	Time 1344	Turb 990	SC .665	Temp 22.4	pH 7.57	OVA
Volume 4.5gal	Time 1355	Turb 990	SC .663	Temp 25.6	pH ~~7.77~~ 7.50	OVA
Volume 5gal	Time 1356	Turb 990	SC .668	Temp 22.3	pH 7.25	OVA
Volume 5.5gal	Time 1234	Turb 990	SC .649	Temp 20.4	pH 6.40	OVA
Volume 6.5gal	Time 1237	Turb 990	SC .637	Temp 19.4	pH 7.15	OVA
7.5	1239	990	.627	19.2	7.07	
8.5	1242	990	.622	19.0	7.06	

well pumped dry at 5gals 7/25/00

Notes (i.e., weather, equipment status, other) Clear, 90°F, breezy (10-20 mph out of south) Parameters ~~stable~~ pump not stable after 5gallon removed. Well Pumped dry after 5gallons removed. Let well recover overnight. Bailed more water out of well on 7/25/00 until parameter stabilized 8.5gallons removed (total)

Development Oversight: [signature]

Exhibit 1:

Monitoring Well Development Log

Date: 8/10/00

Well No. MW09

Depth from top of well casing:

Top of water (ft.) 28.3'
Bottom of well (ft.) ~~215.8~~ 215.2'
Well diameter (in.) 4"

ΔH 186.9'
Top, sampling interval
Bottom, sampling interval
V = 0.0408 x ΔH(ft) x D(in)^2 122 (gal.)
3 x V = (gal.)

Well Development Technique:

- [x] ~~Redi-Flo~~ 2 submersible pump Redi-flo 2 submersible pump
- [x] Surge Block PVC on 1" PVC pipe
- [x] Bailer metal sand bailer and PVC weighted bailer (2 gal)
- [ ]

Ground Water Parameters:

Volume 130	Time 1555	Turb 990	SC 7.74	Temp 22.5	pH 8.47	OVA
Volume 134	Time 1605	Turb 990	SC 7.17	Temp 21.7	pH 8.38	OVA
Volume 138	Time 1610	Turb 990	SC 7.17	Temp 22.0	pH 7.87	OVA
Volume 142	Time 1615	Turb 990	SC 6.92	Temp 23.4	pH 7.91	OVA
Volume 146	Time 1620	Turb 990	SC 5.52	Temp 20.9	pH 8.49	OVA
Volume 148	Time 1628	Turb 990	SC 5.00	Temp 26.4	pH 8.42	OVA
Volume well is dry	Time	Turb	SC	Temp	pH	OVA

Notes (i.e., weather, equipment status, other) Clear, 100°F, breezy (5-10 mph out of south) 16:45 add 20 gallons potable water to well to assist in sand removal. Surge screen thread w/ surge block. Bail out 52 more gallons until well is dry.

Development Oversight: Phil Hammers

Exhibit 1:

Monitoring Well Development Log

Date: ~~8/11/00~~ 8/11/00 pmh

Well No. MW09

Depth from top of well casing:

Top of water (ft.) 146.0'
Bottom of well (ft.) 215.2'
Well diameter (in.) 4"
water in well came up to 146.0' b+oc overnight

$\Delta H = 69.2'$
Top, sampling interval
Bottom, sampling interval
$V = 0.0408 \times \Delta H(ft) \times D(in)^2$ 45 (gal.)
$3 \times V =$ (gal.)

Well Development Technique:

- [x] ~~Redi-Flo-2 submersible pump~~ Red pmh
- [x] Surge Block PVC on 1" PVC pipe
- [x] Bailer PVC weighted bailer (2 gal volume), Metal Sand bailer (2 1/4 gal)
- [ ]

Ground Water Parameters:

Volume ~~200~~ 210 pmh	Time 0858	Turb 990	SC 11.9	Temp 22.3	pH 9.77	OVA
Volume ~~210~~ 220 pmh	Time 0915	Turb 540	SC 12.5	Temp 21.3	pH 9.20	OVA
Volume ~~220~~ 230 pmh	Time 0925	Turb 990	SC 12.4	Temp 21.5	pH 8.60	OVA
Volume ~~230~~ 240 pmh	Time 0933	Turb 990	SC 11.2	Temp pmh 21.3	pH 8.75	OVA
Volume well is dry at 240 gal removed			SC	Temp	pH	OVA
Volume	Time	Turb	SC	Temp	pH	OVA
Volume	Time	Turb	SC	Temp	pH	OVA

Notes (i.e., weather, equipment status, other) Clear, 98°F, breezy (5-10 mph out of south) SC and pH not calibrated. ~~Los~~ pmh at 240 gallons removed well is dry again development complete. SC probably too high due to bad calibration.

Development Oversight: Phil Hammons