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Worl

WELL PURGE LOG

FIELD ID MW01

Allowable Drawdown: _____ *ft* **Purge method:** (STANDARD) LOW-FLOW OTHER _____

Time	Water Level blw MP LSD	Draw-down ft	Well Yield ~~gpm~~ totalizer	Pumping Rate gpm	Water Temp °C	Conduc-tivity ~~µs/cm~~ mS/cm	pH units	Dis-solved oxygen	Turbidity ORP _____	Comments [clarity, etc.] EPA Readings carbed	TDS
14:45	268.03		755.6	2.63	15.47	1.519	11.25	-0.4	-355.5	wind!	
15:15	268.56		833.6	2.63	14.92	1.459	11.22	-0.5	-360.8	1.423	0.924
15:30	268.50		870.0	2.67	14.81	1.442	11.18	-0.5	-364.4	1.401	0.910
15:45	268.60		909.5	2.59	14.88	1.455	11.13	-0.5	-368.4	1.389	0.904 ~~0.904~~
16:00	269.44		949.3	2.70	15.10	1.458	11.07	-0.5	-371.4	1.372	0.893
16:15	269.00		984.7	2.67	15.34	1.401	11.04	-0.5	-374.9	1.364	0.887
16:30	269.22		1,026.4	2.30	15.39	1.426	10.98	-0.4	-377.3	1.347	0.876
16:45	269.33		1,063.1	2.67	15.14	1.401	10.96	-0.5	-380.3	1.348	0.877
17:00	269.55		1,100.7	2.59	15.05	1.403	10.91	-0.5	-382.2	1.337	0.870
17:15	269.83		1,135.8	2.23	15.31	1.416	10.87	-0.5	-384.2	1.333	0.867
17:30	269.93		1,169.8	2.58	15.10	1.396	10.83	-0.5	-385.8	1.329	0.865
17:35	269.88		1,184.4	2.52	15.04	1.380	10.81	-0.5	-385.5	1.323	0.860
17:40	269.82		1,196.9	2.61	15.08	1.392	10.80	-0.5	-386.2	1.324	0.861
17:45	269.99		1,209.8	2.57	15.02	1.393	10.80	-0.5	-387.4	1.323	0.860
17:50	269.98		1,223.7	2.57	14.96	1.398	10.80	-0.5	-389.1	1.324	0.861
										MEDIAN VALUES	
										QUIESCENT pH	
										FINAL FIELD MEASUREMENTS	

Well Volume (gal) = $V = 0.0408\ HD^2$ or **Well Volume = $H \times F$**

where:
- V is volume of water in the well, in gallons
- H is height of water column, in feet
- D is inside Diameter of well, in inches
- F is casing Volume Factor (see table)

H = Well depth - Static water level = _____ feet

Diameter, inside (D) = _____ inches

1 well volume (V) = _____ gallons

Parameter	Stability Criteria*
pH	± 0.1 units (± 0.05 units if instrument display 2 or more digits to the right of the decimal)
Temperature (T)	± 0.2° C (thermistor)
Specific Conductivity (SC)	± 5%, of SC < 100 µS/cm ± 3%, for SC > 100 µS/cm
Dissolved Oxygen (DO)	± 0.2 mg/L
Turbidity (TU)	± 10%, for TU < 100: ambient TU is < 5 or most ground-water systems (visible TU > 5)

*allowable variation between 5 or more sequential field-measurement values

Purge Volume = (n)(V) = _____ gallons [Actual = _____ gal]

where:
- n is number of well volumes to be removed during purging
- V is volume of water in the well, in gallons

Q = estimated pumping rate = _____ gallons per minute

Approximate purge time = (purge volume)/Q = _____ minutes

	VOLUME FACTORS												
DIAMETER (in.)	1.0	1.5	2.0	3.0	4.0	4.5	5.0	6.0	8.0	10.0	12.0	24.0	36.0
CASING VOL.	0.04	0.09	0.16	0.37	0.65	0.83	1.02	1.47	2.61	4.08	5.88	23.5	52.9

Screened/Open Interval: TOP _____.____ ft blw LSD MSL

Bottom _____.____ ft blw LSD MSL

Depth to Top of Sampling Interval _____.____ ft blw LSD MSL

Depth to Bottom of Sampling Interval _____.____ ft blw LSD MSL

Depth to set pump from MP (all units in feet) :

Distance to top of screen from LSD	
+ MP	
– (7 to 10 x diameter (ft) of the well)	
= Depth to pump intake from MP	

Depth to pump from LSD (all units in feet) :

– MP	
= Depth pump set from LSD MSL	

Notes/Calculations:

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GW Form version 8.0

SIGNATURE Peter R. Wright DATE 5/3/12

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE