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WELL PURGE LOG

FIELD ID MW01

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

Time	Water Level blw MP LSD	~~Draw-down ft~~ Flow rate	~~Well Yield gpm~~ Totalizer	Pumping Rate gpm	Water Temp °C	Conductivity ~~µs/cm~~ mS/cm	pH units	Dissolved oxygen	~~Turbidity~~ ORP	Comments [clarity, etc.] ODO% pH rev
11:05	207.49				29.51	0.001	7.7			
11:10		~~6.10~~	.96	6.10						
11:13			2.52	6.06	13.78	1.702	11.58	0.16 ~~-163.4~~	-163.4	1.7 -316.0
11:20	287.94		68.0	6.05	19.02	0.016	11.50	0.51	-170.5	5.2 ~~0.71~~ -319.5
11:30	315.58		125.7	6.05	14.45	3.396	12.14	0.10	-236.3	
11:40	329.73		184.9	6.11	14.96	3.101	12.10	0.0	-248.2	
11:50	334.04		249.7	6.10	15.74	2.839	12.01	-0.1	-262.8	
12:00	334.42		313.1	6.04	15.73	2.549	11.91	-0.1	-272.8	
12:09	325.58		364.3 ~~325.58~~	2.61	17.45	2.306	11.81	0.1	-283.0	
12:15	301.47 ~~377.6~~		377.6	2.63	12.83	2.087	11.80	-0.3	-288.6	
12:20	294.34		390.7	2.50	14.60	2.181	11.78	0.3	-294.0	
12:25	287.15		402.1	2.58	14.52	1.930	11.70	-0.4	-296.1	
12:30	281.73		414.5	2.58	14.55	1.831	11.64	-0.4	-299.4	
12:35	278.47		427.0	2.60	14.45	1.812	11.59	-0.4	-302.2	
										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 [signature] DATE 5/3/12

DISCLOSED TO AND UNDERSTOOD BY DATE WITNESS DATE