NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL MANAGEMENT
GROUNDWATER SECTION
P.O. BOX 27687 - RALEIGH, NC 27611
(919) 733-3221

Park Site
Well #2

PUMPING TEST RECORD

Test Conducted by: Jamy Bess

Well Construction Permit. No. _____

1 WELL LOCATION: Nearest Town: Marshall County: Madison
Park Drive Latitude: 35.48462 Longitude: 82.40592
(Road No., Community, or Subdivision and Lot No.)

2 OWNER: Town of Marshall
Name Address

3 USE OF WELL: ( ) Domestic (✓) Public ( ) Industrial ( ) Irrigation ( ) _____ Other

4 WELL DEPTH: 400 ft. Casing Diameter: 8 in. Casing type: Galvanized Steel

5 DRILLING CONTRACTOR: McCall Brothers Was casing grouted? Yes

6 STATIC WATER LEVEL: 88.3 ft. above/below top of casing.
Date Measured: 3-23-2012 Casing is 2.4" ft. above land surface.

7 WELL YIELD: 118 gpm Specific Capacity: 1.420 gpm/ft.-dd.

8 PUMPING WATER LEVEL: 171.4 ft. after 24 hours at 118 gpm.

9 CHLORINATION: Type: Dry Granular Chlorine Amount: 2 lbs (32 oz)

10 TIME AND DATE: PUMP STARTED 11:50 am 3-23-2012 PUMP STOPPED: 11:50 am 3-24-2012

11 WATER LEVEL MEASURING DEVICE: electric tape FLOW MEASURING DEVICE: Water meter

12 TEST PUMP: Type: Submersible Make: Grundfos Horse Power: 20 HP
Capacity 110' gpm at 500' T D H. Intake Depth 315' ft.

Time	Water Level	Pumping Rate		Elapsed Time	Remarks
11:50	88.30			00	
11:51	100.20	125	1 min	01	
11:52	102.10	125		02	
11:53	103.70	125		03	
11:54	104.50	125		04	
11:55	105.00	125		05	
11:56	105.20	125		06	
11:57	105.80	125		07	
11:58	106.00	125		08	
11:59	106.20	125		09	
12:00	106.60	125		10	
12:02	107.00	125	2 min	12	
12:04	108.00	125		14	

Time	Water Level	Pumping Rate		Elapsed Time	Remarks
12:06	108.20	125		16	
12:08	108.30	125		18	
12:10	108.80	125		20	
12:15	109.30	125	5 min	25	
12:20	110.00	125		30	1/2 hour
12:25	110.70	125		35	
12:30	111.50	125		40	
12:35	112.00	125		45	
12:40	112.50	125		50	
12:45	113.50	125		55	
12:50	114.80	125		60	1 hour
1:00	115.60	125	10 min	70	
1:10	116.50	125		80	
1:20	117.40	125		90	
1:30	118.20	125		100	
1:40	119.00	125		110	
1:50	119.80	125		120	2 hours
2:05	120.90	125	15 min	135	
2:20	122.00	125		150	
2:35	123.00	125		165	
2:50	124.10	125		180	3 hours
3:05	125.10	125		195	
3:20	126.10	125		210	
3:35	127.10	125		225	
3:50	128.10	125		240	4 hours
4:20	129.90	125	30 min	270	
4:50	131.70	125		300	5 hours
5:20	133.50	125		330	
5:50	135.20	125		360	6 hours
6:20	136.90	125		390	
6:50	138.10	123		420	7 hours
7:50	141.00	123	1 hour	480	8 hours
8:50	143.80	123		540	9 hours
9:50	146.30	123		600	10 hours
10:50	148.60	123		660	11 hours
11:50	151.80	123		720	12 hours
12:50	153.70	122		780	
1:50	155.60	122		840	
2:50	157.20	121		900	
3:50	161.10	121		960	
4:50	164.70	121		1020	
5:50	166.40	120		1080	
6:50	168.70	120		1140	
7:50	170.10	120		1200	
8:50	171.40	118		1260	
9:50	171.40	118		1320	

Time	Water Level	Pumping Rate		Elapsed Time	Remarks
10:50	171.40	118		1380	
11:50	171.40	118		1440	24 hours
11:50	171.40				Stop Pump - Begin Recovery
11:51	157.80		1 min	01	
11:52	156.30			02	
11:53	155.50			03	
11:54	154.80			04	
11:55	154.30			05	
11:56	153.90			06	
11:57	153.50			07	
11:58	153.20			08	
11:59	152.90			09	
12:00	152.60			10	
12:02	152.00		2 min	12	
12:04	151.60			14	
12:06	151.20			16	
12:08	150.90			18	
12:10	150.60			20	
12:15	149.90		5 min	25	
12:20	149.30			30	1/2 hour
12:25	148.80			35	
12:30	148.40			40	
12:35	148.00			45	
12:40	147.70			50	
12:45	147.40			55	
12:50	147.10			60	1 hour
1:00	146.80		10 min	70	
1:10	146.20			80	
1:20	145.80			90	
1:30	145.40			100	
1:40	145.20			110	
1:50	144.80			120	2 hours
			15 min	135	
				150	
				165	
				180	3 hours
				195	
				210	
				225	
			30 min	240	4 hours
				270	
				300	5 hours
				330	
				360	6 hours
					End Recovery