

Pump Log

Last Update pg 6 4-24-23

04-27-16 New Pump purchased
6.5 HP 212cc 2 in. Gas Engine Clear
Water Pump 9540 GPH Item #69774

Harbor Freight
\$159.99
+ \$29.99 1 year warrantee
\$189.98

4-29 New pump on well



5-7 Fuel tank removed and pump connected
to external fuel tank.



New Pump INFO

<http://www.harborfreight.com/65-hp-212cc-2-in-gas-engine-clear-water-pump-9540-gph-69774.html>



6.5 HP 212cc 2 in. Gas Engine Clear Water Pump 9540 GPH Item #69774

This powerful gas water pump is ideal for general purpose use such as draining pools, ponds, and sumps of clear water. This clear water pump has a powerful 212cc gas engine, making it ideal for remote clear water irrigation.

- Powerful 212cc 4-stroke overhead valve gas engine
- 9540 GPH (159 gallons per minute)
- Total head lift: 97.5 ft.
- Suction head lift: 26 ft.
- Low oil alert
- Recoil start

Well INFO

Pipe dia	2 inch	Pipe depth	21 feet
6-5-15	Flow tested	26.5 GPM	
7-30	Flow tested	20 GPM	
8-31	Flow tested	18 GPM	
10-14	Flow tested	20 GPM	
6-24-15	Water table	6 feet	
7-22	Water table	8' 6"	
8-31	Water table	9' 4"	
9-28	Water table	10'	
10-14	Water table	11'	
11-11	Water table	9'	
No Flow	50 psi	3 pods	40 psi
			6 pods 30 psi
01-22-16	Water table	2'	
05-03-16	Water table	12"	
06-10-16	Water table	20"	
	Flow tested both wells	30 GPM	

Second well started near first one.

- 9-22 2" PVC with water flowing n it.
Down 3" Hitting sand
- 9-23 Down 3" more. Hitting small rocks
- 9-24 At 10' hit larger rocks (1-1.5") No progress with toothed end, will try 45 end
Water at 5'
- 9-30 2" Sand point and 2" galvanized pipe installed, down 10'
- 10-2 Well at 15' 5", water at 11' - ready to flow test.
- 10-12 Flow tested 0.7 GPM
- 10-14 Back flushed for about 1 hour - Flow tested 0.8 GPM
- 10-15 Back flushed for about 1 hour - Flow tested 1.5 GPM
- 10-26 Water at 9' Flow tested 2 GPM
- 11-06 Added 3' more pipe, pounded down to 18' now
Water at 9.5' Back flushed for 10 min, Flow tested 1 GPM
- 11-09 Flow tested 5 GPM
- 11-11 Flow tested 5 GPM, Back flushed for about 1 hour
Flow tested 4.3 GPM, Water at 9'

2016

- 01-22 Added 3' more pipe. Needs to be pounded down
Water at 2 feet.
- 02-25 Pipe broke at coupler 18" below ground.
- 2-29 2' pipe attached with rubber coupler.
Water table at 1 foot, 2 GPM on new well, 20 GPM on old well.
- 3-2 New well down 20.5 feet. 2.9 GPM on new well, 20 GPM on old well.
- 4-12 Water table at 18 inches.
New well 10 GPM, Old well 20 GPM Both 25 GPM
- 4-28 New 2" pump installed. Old well – at half throttle 20 GPM,
at Full throttle 20 GPM.
- 4-29 New 2" pump - Old well 20 GPM, New well 12.5 GPM both wells 30 gpm.

6-2 NEW Sprinkler system hooked to fence. Spaced at 36" only sprays 34"
Pump pressure 28 PSI on OLD system only, 24 PSI with both on, each
aprox 1 foot shorter spray dia.

6-10 Al B discovered a non-running pump when he arrived to put away the
sprinkler system. He found a broken elbow on the top of the pluming
exiting from the pump. The pump area was very WET.

At Doug's suggestion the broken PVC 1" elbow has been replaced with a steel
one.

I started the pump to test for leaks and it smoked BAD. It was also blowing oil
out the exhaust.

When I checked the oil it was white and way over full. My guess is the water
spray from the broken elbow got sucked into the air filter and into the engine.
It took several oil changes and short runs to clean out all the water/oil foam.
Will keep an eye on the oil as it may need changing again soon.

Running the pump connected to just the Field 6 sprinkler pods we have 30 PSI,
turning on the Fence 6 sprinklers the pressure drops to 20 PSI, and the Field
sprinkler pods reach drops about 3 feet.

Testing flow from the pump hooked to both wells we are getting 30 GPM.

7-12 Oil changed

8-2 Water table at 7' 30 PSI,

8-16 SE Sprinklers put under ground

8-22 Oil changed

8-30 Would not start – adjusted intake value

9-7 Water table at 9' 6" 20 PSI,

10-23 Died after running 10 minutes, would run at halve choke.

10-28 Adjusted intake value

10-31 Still will not run.

11-1 Spark ok, runs a bit with starting fluid. Drained carb bowl, still will not run. Removed carb and blew out, did NOT see anything bad. Still will not run beyond starting fluid. Drained a pint of gas from tank, now runs ok. BAD FUEL – water in fuel ??

11-21 Drained pump and hose.

2017

5-2 Started and ran to wash mowers.

5-15 Oil changed.

6-2 Did not run all night, found oil diluted (changed) and would NOT run long, most likely needs valves adjusted.

6-3 Valves OK, Carb OK, found BAD FUEL was the problem.

6-5 Ordered spark plug NGK BP-6ES \$3.99 (ebay)

6-17 Oil changed.

10-15 Drained pump and hose.

2018

4-9 Oil changed.

Primed and ran pump. Found leak from drain plug, it is cracked.

Patched with silicone, will try and order a new plug.

4-12 Used plug from old pump

6-18 Pull cord broke

6-19 Was recoil spring straightened at center, bent back and working now.

6-25 Not running well, had to run with choke on.

6-26 Found water in float bowl, seems to run ok now.

7-11 Quit running before running out of fuel or finishing watering.

7-12 Found bad fuel in float bowl and tank. Ok Now.

8-1 Oil changed

8-3 Spark plug wire broke at plug, siliconed it back on.

10-19 Oil changed and water drained.

11-03 Replaced leaking hose splitter.

2019

4-23 Primed and ran pump.

7-24 Oil changed

10-21 Drained pump and hoses.

2020

5-7 Primed and ran pump, tested underground sprinklers.

9-1 Oil changed

9-15 1 inch pipe broke at value.



9-16 Repaired.



10-15 1 inch pipe broke at value again.

10-16 Repaired.

10-23 Pump and hoses drained

2021

4-19 Primed and ran pump, tested underground sprinklers.

7-30 1 inch pipe broke at value again. Repaired with metal threaded – barb.

8-8 Low flow reported.

8-9 Water table in new well at 8'6" static, 13' when pumping from old well.
Getting enough water if only using 6 pods.

8-10 1 inch value broke on the pump side – replaced.

9-13 Water table in new well at 9'6" static, 14' when pumping from old well.

11-19 Drained pump and hoses

2022

5-24 Primed and ran pump, tested underground sprinklers.
Garden hose Y cracked and leaking, needs replaced.

6-1 Replaced Garden hose Y.
Oil changed

6-2 Water table in new well at 36 inches
New well not producing very much

- 6-7 Sealed several rubber to iron connections, seems to be pumping much more water now.
- 6-24 DT reported - Pump was off this AM
JC - investigated Sat afternoon. It ran about three minutes and then quit.
I drained the carb bowl and did NOT find any water in it.
Started it again and it ran another three minutes and quit.
I noticed that it was wet around the spark plug and air intake.
I started it again and stayed right by it and found water spraying out of the first elbow on the 1 inch black PCV line going to the underground system.
Replaced the elbow and all is well now.
- 7-30 Water table in new well at 6 feet.
- 9-13 Water table in new well at 7 feet.
- 9-30 Oil changed. Found leak at quick disconnect in fuel line.
- 11-10 Drained pump and hoses

2023

- 4-24 Replaced spark plug
Primed and ran pump, tested underground sprinklers.