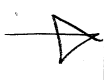


1465 m³/d - 6 injectors (→)
 2764 m³/d - pond
 79.7/41m
 19/4
 ①

Pump test : Alan Parker

Date: 14/3/19


 Pump start time: 10:44am
 (mm/min)

6.5m deep
 No water use

Pump		Pump well		Long pond		Piezometer		Stock well		Clutha River	
Time	Volume (m ³)	Time	Level (m)	Time	Level (m)	Time	Level (m)	Time	Level (m)	Time	Level (m)
10.16	105535.6	10.16	1.140	10.23	1.150	10.26	2.710	10.03a	2.310	10.28	0.55 from top
Start	Pump	10.39	1.145								
at	10.44	10.47	1.575								
PTO 450	on (4) 75psi	10.50	1.635								
		10.52	1.635								
		10.54	1.650								
		10.57	1.665								
10.58	1m ³ in 30.4 (33.2/s)	11.02	1.675(2)								
				11.08	1.170	11.11	2.700			11.14	0.43 ↑
11.25	105614.3 ava = 32.2/s	11.24	1.720(1.0)								
11.27	1m ³ in 31.7 31.54/s										
PTO 450											
		11.39	1.765 (1.2)	11.46	1.200	11.49	2.660			11.52	0.39 ↑
		12.03	1.820(1.2)								
		12.18	1.945 (1.5)	12.30	1.250	12.32	2.675	1.03	2.310	12.36	0.38 ↑
PTO 450	33.94/s	12.49	2.030(1.7)								
12.22	1m ³ in 29.40										

start Levels

30 m/s → 25 l/s
 wait 30 min
 - another 20 min
 Pump test: Alan Parker

24hr
 2m

2.05
 10.44
 11 - 3
 4
 23
 33
 2.73

Date: 96
 60.25 + 11
 Pump start time: 12.49

Time	Pump Volume (m ³)	Pump well		Long pond		Piezometer		Stock well		Clutha River	
		Time	Level	Time	Level	Time	Level	Time	Level	Time	Level
2.25	105971.6	2.25	2.320					2.15	2.315		
	1 m in 29.39										
	35 l/s										
PTO 455	→ 445	2.35	2.270	2.47	1.350	2.52	2.570			2.53	0.36 ↑
2.37	1 m in 32.68							4.07	2.305		
10.44	30.5 l/s	3.04	2.350								
3.10	106053.2	73									
	31.6 l/s @ 18 m ² save										
		4.17	2.640	4.28	1.370	4.30	2.520			4.32	0.36
4.55	Used hose to improve well efficiency, cleaned bottom	4.48	2.675								
4.55	Pump stopped at 106242 for 20 min										
5.02	1 m in 29.99										
	33 l/s										

2

2.70 150

115

← 5mm/hr = steady

(4)

Pump test : Alan Parker

Date: Pump start time: 300mm pipe connection to well

Time	Pump Volume (m ³)	Pump well		Long pond		Piezometer		Stock well		Clutha River	
		Time	Level (-76)	Time	Level	Time	Level	Time	Level	Time	Level
9.13	107658.5	9.11a	2.635	9.123a	1.500	9.29a	2.720	9.03a	2.315	9.32	0.95
	1m ³ in 42.8 23.215	9.43a	2.650								
9.45	1m ³ in 44.37 22.5115										
Tom team	wrthwhule for 3-4			1.000							
		10.14	2.665								
12.05p	107883.41	12.02	2.655								
	2348m ³ 26.615	12.03	2.660								
12.05p	1min 45.945										
	21.7115	10.44p	2.655	1.27p	1.530	1.31p	2.665	1.16p	2.305	1.35	0.440
1.44	0108017.7										
	2482m ³ 25.5115										
1.49	1m ³ in 44.97 22.2115										

↑

↑

Pump test : Alan Parker

Date:

Pump start time: Start level 1.40 End level 2.655 Drawdown 1.515 90% = 1.364 Target = 1.291

Time	Pump Volume (m ³)	Pump well		Long pond		Piezometer		Stock well		Clutha River	
		Time	Level	Time	Level	Time	Level	Time	Level	Time	Level
Stop pump	1.52	1.52	2.655								
at 108024.8		1.52	2.355								
Recovery		1.53	2.125								
		1.53	2.006								
		1.54	1.825								
		1.54	1.725								
		1.54	1.648								
		1.58	1.575								
		2.00	1.575								
		2.07	1.535								
		2.11	1.515								
		2.18	1.475								
		2.22	1.460								
				2.50p	1.520	2.40p	2.625			2.43	0.61
	+1.22 80.50%	2.56	1.435								
		3.15	1.430								
		3.30	1.425								

1703 45m. 30 10 1.5 = 450m³

25 34m
- 4hr for 1hr
- after

9
Spun disc

↓

6

1.415
30
1.296

Pump test : Alan Parker

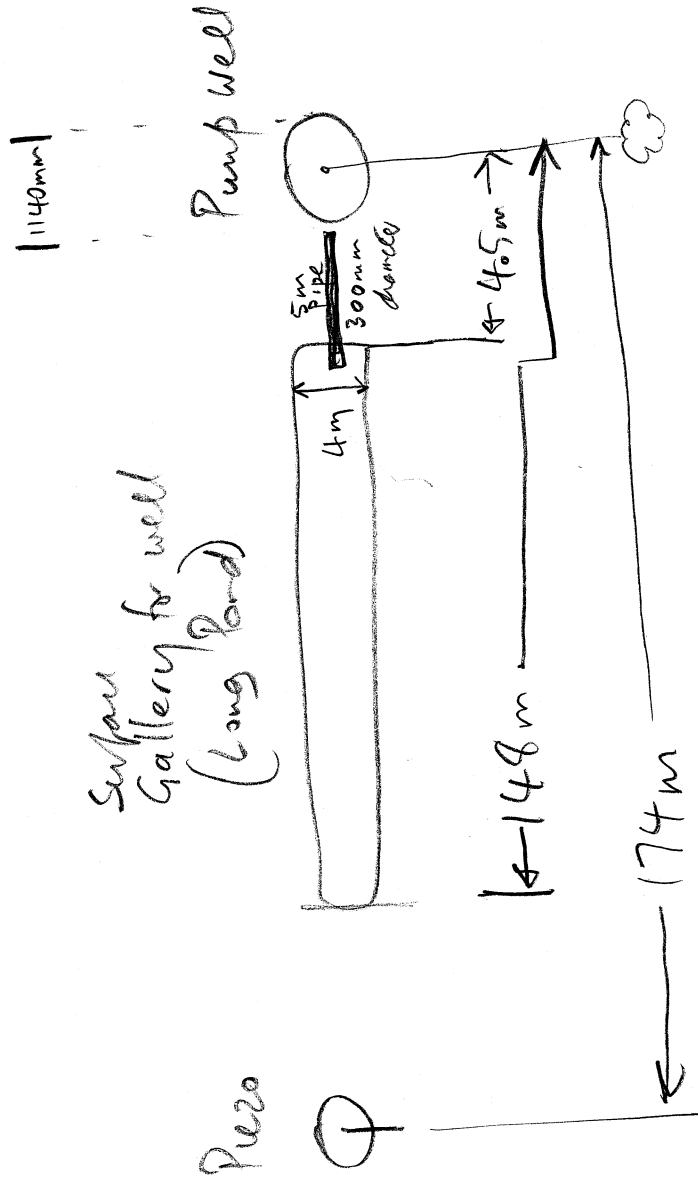
Date: Pump start time:

Time	Pump Volume (m ³)	Pump well		Long pond		Piezometer		Stock well		Clutha River	
		Time	Level	Time	Level	Time	Level	Time	Level	Time	Level
	91.5 ^{pl}	3.45p	1.420								
		4.00p	1.415	4.07p	1.480	4.10	2.610			4.13	0.690
	Secours	4.30p	1.408								
	89.6	5.00p	1.397	5.07p	1.460	5.10	2.600	5.28p	2.315	5.12p	0.700

↓ ↓

Clatha Rove

Gallery Cross Section Approx



Alans, Fa/m