

ATP PUMPS cc t/a AQUATEC PUMPS

P. O. Box 13634
 Cascades - 3202 Pietermaritzburg
 Phone 033-3455986 Fax 033-3949109

Constant Discharge & Recovery

Date Started	09/03/2013
--------------	-------------------

Project: Mkabela Poultry (Wartburg)	Borehole Number:
Project No:	Observation on Borehole No:
Consultant:	Distance to Observation Hole:
Pump Type: Sub Pump	Pumped Borehole Depth: 110m Diameter:
Pump inlet Depth: 100m	Static Water Level: 1.64m
Datum (above ground level): 0.43m	Available/Pumpable Drawdown: 98.36m

Date	Time		Drawdown (m)	Water Q/lph	Recovery Water Level (m)	TIME		Drawdown (m)	Water Q/lph	Recovery Water Level (m)
	Elapsed Time min	Time Hours				Date	Time			
	0						800	13:20	43.39	
	0.5		2.15		52.30		900	15:00	45.80	
	1		3.58		50.22		1000	16:40	48.10	8000
	1.5		4.37		47.50		1100	19:00	50.63	
	2		5.18	8000	44.23		1200	20:00	52.54	
	2.5		5.69		42.40		1300	21:40	54.91	
	3		6.03		40.13		*1440	24-00	56.23	8000
	4		6.71		37.18		1500	24-00		
	5		7.28		34.53		1600	26-40		
	6		7.96		32.80		1700	28-20		
	7		8.44		29.46		1800	30-00		
	8		9.58		26.38		1900	31-40		
	9		10.39		23.90		2000	33-20		
	10		11.46	8000	21.06		2100	35-00		
	12		13.50		18.04		2200	36-40		
	15		15.67		15.19		2300	38-20		
	20		17.81		12.39		2400	40-00		
	25		18.96		10.43		2500	41-40		
	30		20.01		9.63		2600	43-20		
	40		21.93		7.44		2700	45-00		
	50		22.58		5.80		2800	46-40		
	60	01:00	23.75	8000	4.29		2900	48-20		
	70		24.50		3.73		3000	50-00		
	80		25.05		3.09		3100	51-40		
	90		25.66		2.53		3200	53-20		
	100		26.22		1.91		3300	55-00		
	120	02:00	28.10	8000	1.02		3400	56-40		
	150	02:30	30.05		0.49		3500	58-20		
	200	03:20	31.44		0.00		3600	60-00		
	250	04:10	32.59				3700	61-40		
	300	05:00	34.18	8000			3800	63-20		
	400	06:40	36.53				3900	65-00		
	500	08:20	37.98				4000	66-40		
	600	10:00	39.26				4100	68-20		
	700	12:00	41.63	8000			4200	70-00		
							4320	72-00		

Recommendations: Pump setting depth 100m, abstraction - 8000 lph 12 hours/day