	Cells to be filled in manually
	Cells to be filled in using scroll-down menu
	Cells filled in automatically from the Check-List
	Cells calculated automatically

1. BASIC WELL INFORMATION

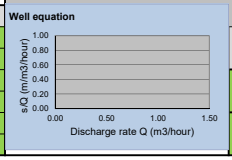
1.1 BH ID	0		**1.2 Camp/Country**	0	**1.3 Drilling commissioned by**	0	**Google Earth representation**
1.4 Well coordinates	Longitude ° (degrees)	0.00000	**1.5 Well head elevation [masl]**	0	**1.6 Well depth [m]**	0	
	Latitude ° (degrees)	0.00000					
1.7 Drilling completion date		00-01-00	**1.8 Contractor**	00-01-00	**1.9 Method**	0	
					1.10 Drilling equipment	0	

2. WELL CONSTRUCTION

2.1 Drilling diameters			2.2 Casing characteristics							2.3 Annular space filling				2.4 Lithology and hydrostratigraphy				
From depth [m]	To depth [m]	Diameter [In]	Depth From [m]	Depth To [m]	Diameter [In]	Casing type	Screen Type	Material	Slot size [mm]	Depth From [m]	Depth To [m]	Material	Average grainsize of gravel	Depth From [m]	Depth To [m]	Lithology	Lithological description	Groundwater occurrence (aquifer type)

2.5 Static water level (SWL)		2.6 Backfilling			2.7 Concrete apron (Sanitary seal)			2.8 Bottom plug	Well development		2.13 Pump position	0
Depth [meters]	0	Depth From [m]	Depth To [m]	Material	From [m]	To [m]	Material	0	2.9 Development type	0		
									2.10 Equipment type	0	2.14 Drillers yield [m^3/hour]	0
Elevation [masl]	0								2.11 Development duration	0		
									2.12 Development Monitoring	0		

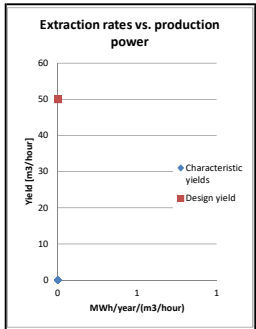
3. PUMPING TESTS

Equipment/calibration test		Step draw-down pumping test								
3.1 Equipment test (date)	0	3.3 Step draw-down pumping test (date)				00-01-00	3.7. Step draw-down test interpretation (well equation)		Well equation: s/Q=B+CQ	
3.2 Equipment test specific draw-down [m/(m3/hour)]	0	3.4-3.6 Step draw-down pumping test data		Step length (min)	s [m]	Q[m^3/hour]	s/Q		Well constants:	B [hours/m^2]:	#DIV/0!
			Step 1	0			#DIV/0!			C [hours^2/m^5]:	#DIV/0!
			Step 2	0			#DIV/0!		Transmissivity (Dupuit approximation) [m^2/sec]		#DIV/0!
			Step 3	0			#DIV/0!				
			Step 4	0			#DIV/0!		Critical yield (Q_{crit}=B/C) [m^3/hour]		#DIV/0!
			Step 5	0			#DIV/0!				
			Step 6	0			#DIV/0!				

Constant rate pumping test		Recovery test	
3.8 Constant rate test (date)	0	3.13 Recovery test (date)	0
3.9 Duration of constant rate pumping test (hours)	0	3.14 Duration of recovery test (hours)	0
3.10 Discharge rate of constant rate pumping test (m^3/hours)	0		
3.11 Dynamic water level at the end of pumping test (m)	0	3.15 Recovery test interpretation (Transmissivity T [m^2/s])	0
3.12 Pumping interpretation (Transmissivity T [m^2/s])	0		

4. SAFE YIELD AND EXPLOITATION COST CALCULATIONS

REQUIRED DATA FOR SAFE YIELD CALCULATIONS		Characteristic yield calculations	[m^3/hour]	Theoretical production energy consumption (assuming 24 hour pumping: for 12 hour pumping, values need to be divided by 2) MWh/year	MWh/year/(m^3/hour)	litre-fuel/year/(m^3/hour)
Maximum draw-down to pump, s_p [m]	-2.0	Critical yield (Q_{crit}=B/C) [m^3/hour] Laminar and turbulent headloss are equal	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Maximum draw-down to first screen, s_c [m]	#N/A	Screen yield Q_{screen} [m^3/hour] (-->inflow velocity into well = 3cm/sec)	0	#DIV/0!	#DIV/0!	#DIV/0!
Maximum safe draw-down, s_{safe} [m]	#N/A					
Total screen length, L [m]	0.0	Maximum yield Q_{max} [m^3/hour] leading to maximum draw-down-->draw-down in well corresponding to pump position or first screen (+ 2 meters)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Total open area, A_0 [m^2], assuming 4% open inflow area	0.0					
Estimated hydraulic conductivity K (Dupuits) [m/sec]	#DIV/0!	Safe yield Q_{safe} [m^3/hours] 80% of lowest of the above yields	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2.14 Drillers yield [m3/hour]	0					



5. YIELD OPTIMISATION TOOL

Design yield Q_{design} [m^3/hour]	Expected draw-down s [m]	Laminar draw-down s_L [m]	Turbulent draw-down s_T [m]	MWh/year	MWh/year/(m^3/hour)	litres-fuel/year/(m^3/hour)
50	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!