Step-drawdown test

Well: TEB-3 **Municipality: Topusko** **Date: *30-Sep-22***

Table SB1

Step	Q (l/s)	Q (m^3/s)	P_{in} (bar)	P_{fin} (bar)	Density (kg/m^3)	Δ (m)	Δ/Q (s/m^2)
0	0.00	***0.0000***	***0.6940***	0.6940	987.65	0.00	
1	2.88	***0.0029***	***0.6940***	0.6891	987.65	0.05	17.76
2	4.67	***0.0047***	***0.6891***	0.6891	985.86	0.05	10.92
3	12.81	***0.0128***	***0.6891***	0.6599	984.03	0.35	27.61
4	8.67	***0.0087***	***0.6599***	0.6763	983.11	0.18	21.18
REC	0.00	***0.0000***	***0.6763***	0.6891	983.11	0.05	

Table SB2

LINEAR REGRESSION Δ/Q = b + mQ			
m	b	**1316.43**	**9.81**
se_m	se_b	609.35	5.00
r^2	se_y	**0.70**	4.67
F	d_f	4.67	2.00
ss_{reg}	ss_{res}	101.70	43.58

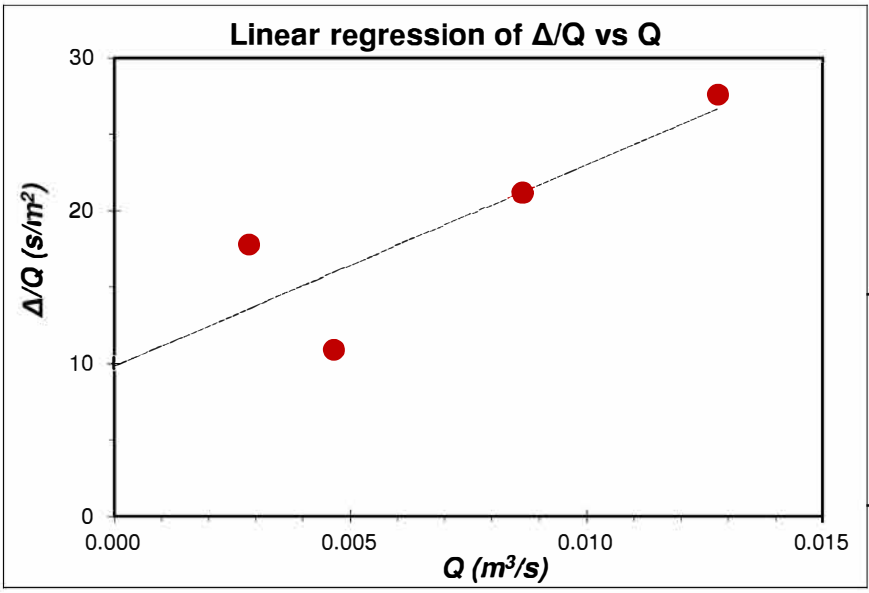

Table SB3

$\Delta = (B+B')Q + CQ^2$ *B= aquifer loss; B' = linear well loss; C = well loss*					
Δ = 9.8 Q + 1316.4 Q^2					
Field data		**Linear regression**			**Well efficiency**
Q (m^3/s)	Δ (m)	(B+B')Q (m)	CQ^2 (m)	Δ (m)	(%)
0.000	0.000	0.000	0.000	0.000	
0.003	0.051	0.028	0.011	0.039	72.13
0.005	0.051	0.046	0.029	0.075	61.48
0.013	0.354	0.126	0.216	0.342	36.78
0.009	0.184	0.085	0.099	0.184	46.23
0.000	0.051	0.000	0.000	0.000	

