

Table 1  
**Slug Test Results**  
*H. C. Drew Estate vs Neumin Production Company and Stokes & Spiehler, Inc.*  
*North Choupique Field*  
*Calcasieu Parish, Louisiana*

Well ID	b (ft)	hc (ft)	Slug ID	K (ft/day)		Estimated Yield	
				Hvorslev	cm/sec	Q (gpm)	Q (GPD)
MW-2	1.9	5.93	Slug 1 In	2.258	7.97E-04		
			Slug 1 Out	2.002	7.06E-04		
			<b>Average</b>	2.1300	7.51E-04	<b>0.079</b>	<b>113</b>
MW-3	2	7.07	Slug 1 In	0.5068	1.79E-04		
			<b>Average</b>	0.5068	1.79E-04	<b>0.03</b>	<b>37</b>
MW-4	1.4	7.47	Slug 1 In	5.491	1.94E-03		
			Slug 1 Out	5.231	1.85E-03		
			Slug 2 In	5.539	1.95E-03		
			Slug 2 Out	5.503	1.94E-03		
			<b>Average</b>	5.441	1.92E-03	<b>0.179</b>	<b>258</b>
			<b>Geometric Mean</b>	<b>1.804</b>	<b>6.37E-04</b>	<b>0.071</b>	<b>103</b>

**Notes:**

Well yield equation for confined aquifer from RECAP Appendix F:

$$Q = \frac{60H_c K b}{9.3 + \log(Kb)}$$

K = hydraulic conductivity (cm/sec)

b = saturated thickness (feet)

h<sub>c</sub> = confining head (feet)

gpm = Gallons per Minute

GPD = Gallons per Day