

Table 5. Summary of Construction Details of the City of Merritt Voght Park Wells

| Well<br>(Date of<br>Construction) | Well Depth<br>m (ft) | Static<br>Water Level<br>m (ft) | Aquifer Material<br>and<br>Well Completion                                                                                                                                                                  | Driller's Log                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Remarks                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------|----------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voght Park<br>No. 1<br>(July/74)  | 29.9 (98)            | 2.56 (8.4)                      | Gravel and sand; 2.4 m<br>(8 ft) of 2.03 mm<br>(0.080") slot 300 mm<br>(12") pipe-size screen<br>over 6.7 m (22 ft) of<br>3.81 mm (0.150") slot<br>screen set between<br>20.7 and 29.9 m (68<br>and 98 ft). | 0 - 0.6 m fill<br>0.6 - 1.8 m loose, silty medium gravel<br>1.8 - 4.9 m very loose gravel<br>4.9 - 7.0 m compact, gravelly grey silt<br>7.0 - 7.3 m gravelly compact sand with water<br>7.3 - 11.6 m sandy gravel<br>11.6 - 12.8 m very loose gravelly sand<br>12.8 - 14.0 m tight sandy gravel<br>14.0 - 14.6 m loose sandy gravel<br>14.6 - 20.4 m sandy medium gravel<br>20.4 - 21.0 m sandy gravel with silt varves<br>21.0 - 24.7 m loose, medium, silty sandy gravel<br>24.7 - 29.9 m loose gravel.                   | 400 mm (16") diameter;<br>pumped at a maximum rate of<br>104.1 L/sec (1650 USgpm) in<br>July 1971, with a total<br>drawdown of 11.9 metres<br>(38.95 ft) for a specific<br>capacity of 8.77 L/sec/m<br>(42.4 USgpm/ft). <b>Rated<br/>capacity of 113.5 L/sec<br/>(1800 USgpm; 1500 igpm).</b>                           |
| Voght Park<br>No. 2<br>(Sept./76) | 34.1 (112)           | 3.6 (11.9)                      | Gravel; 9.1 m of 300 mm<br>(12") pipe-size screen<br>with 3.05 mm (0.120")<br>slots with the assembly<br>set between 24.6 and<br>34.1 m (80.63 and<br>112 ft).                                              | 0 - 0.3 m gravel and clay fill<br>0.3 - 4.9 m compact silty gravel<br>4.9 - 11.0 m fine to coarse, loose pebbly<br>gravel, some coarse to fine<br>sand and suspended rusty tan<br>silt<br>11.0 - 29.9 m medium to coarse, loose pebbly<br>gravel with some fine to<br>coarse sand with silty and<br>sandy zones<br>29.9 - 31.1 m very coarse pebbly gravel with<br>some medium sand<br>31.1 - 34.1 m medium coarse pebbly gravel with<br>some fine to coarse sand<br>34.1 - 34.8 m medium coarse sand with some<br>pebbles. | 400 mm (16") diameter;<br>pumped at rates as high as<br>123.8 L/sec (1962 USgpm)<br>with a total drawdown of<br>6.93 m (22.73 ft), for a<br>specific capacity of 17.86<br>L/sec/m (86.3 USgpm/ft);<br>located 23.8 m (78 ft) from<br>Well No. 1. <b>Rated capacity<br/>of 140+ L/sec (2200+ USgpm;<br/>1850+ igpm).</b> |