

Kaybob South Triassic Coquina Pool

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The Kaybob South Triassic Montney Coquina Pool is one of the most significant Triassic Pools in Western Canada with reserves estimated at $17.8 \times 10^6 \text{m}^3$. Detailed studies show that the coquina has three facies of reservoir quality: Coquina gravel, Coquina sand and sand all of which are dolomitized. In addition the depositional sequence includes a very fine grained sandstone, siltstone and mudstone of non-reservoir quality. Careful examination of logs and cores shows that the Coquina is either a shoaling-up or channel succession and these successions form a series of depositional cycles where both may be present. From the evidence gathered, the best fitting depositional model is a nearshore subtidal environment similar to the west coast of Florida or because of its arid nature the Trucial coasts of Oman and Qatar. Current activity is a multidisciplinary approach using geology, petrophysics, seismic and reservoir modeling to delineate any remaining unswept areas for future drilling.