

between the Yates and Queens formation is prevented by the hookwall packer set at 3418'.

A bottom hole pressure of the Queens formation before the 1" macaroni string was run was taken in the tubing at a depth above the hookwall packer and corrected to the field datum of -250 sub-sea. This pressure was 766 psig. The bottom hole pressure of the Yates formation at the mid-pay of 3012', calculated from the surface pressure, was 1223 psia. These two pressures definitely prove that the two producing horizons are not in communication.

On the initial potential test of the Queens the well swabbed 12 barrels of oil in 24 hours with no gas or water. El Paso Natural Gas Company conducted a four point back pressure test of the Yates which indicated an absolute open flow of 13,500 MCFPD and a deliverability of 10,700 MCFPD at 600 psi. On a GOR test the Queens made 1.6 barrels of oil in 18 hours on gas lift with 29.45 MCF of gas of which 16.66 MCF was injected and 12.79 MCF was produced from the Queens. Injection GOR was 10,410 and produced GOR was 7,660.

between 75 and 100 degrees Fahrenheit in the
hottest part of the day.

The following table shows the results of the
analysis of the water samples taken in the
river above the Lowell dam and compared to the
data from the Lowell dam. The water from
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