



PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401
5525 HWY. 64 NBU 3004

September 11, 1992

Re: Step Rate Test
San Juan 32-8 SWD #303

Perform step-rate test with filtered produced coalseam water on the combined Entrada-Bluff-Morrison interval as follows:

0.5 BPM	15 mins.
1.0 BPM	15 mins.
2.0 BPM	15 mins.
3.0 BPM	15 mins.
4.0 BPM	15 mins.
5.0 BPM	15 mins.
6.0 BPM	15 mins.
7.0 BPM	15 mins.
8.0 BPM	15 mins.
9.0 BPM	15 mins.
10.0 BPM	15 mins.
11.0 BPM	15 mins.
12.0 BPM	15 mins.
13.0 BPM	15 mins.
14.0 BPM	15 mins.
15.0 BPM	15 mins.

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OIL CON. DIV
DIST. 3

Increase rate in 1 BPM increments to the point of fracture initiation. Approximate fracture initiation pressure is 2500 psi. Run spinner survey over combined interval after each rate stabilizes. Top perf is 8510'.

T. M. Larimer

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Reservoir Engineer
599-3459