

Litton

Core Lab

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7th October, 1986

Amoco Australia Petroleum Company,
Level 12,
15 Blue Street,
NORTH SYDNEY, N.S.W. 2060.

Attention: K. Grant

Subject : Reservoir Fluid Study
Well : Pelican #5
File : AFL 86026

Dear Sir,

Gas and liquid samples were collected at the surface of the subject well and submitted to our laboratory for use in a reservoir fluid study. Presented in the following report are the results of this study as requested in attachment three of analysis programme MISC-AUP-171-L-400/220-JWH by Amoco Australia Petroleum Company.

The separator gas sample (cylinder no. A11011) was found to have an opening pressure of 313 psig @ 65°F. The cylinder showed no signs of leaks and its hydrocarbon contents were analysed through C₁₁+ including helium content. These results are reported on page two.

The separator liquid sample (cylinder no. SS 709) was found to have a bubble point pressure of 450 psig at 67°F. When transferring liquid samples into laboratory cylinders gaseous dirty water was noted on breaking the connection after the first transfer. A new separator liquid sample (cylinder no. SS 1822) was sent to us for continuation of the study.

Cylinder no. SS 1822 arrived with one valve open but plugged. The quality check indicated the sample had a bubble point of 1320 psig @ 65°F which was not representative of the separator conditions. The results of the bubble point checks can be found on page one and are depicted graphically on pages three and four.

As suggested, sample from the original cylinder (no. SS 709) was transferred into a windowed cell to measure the volume of condensate available. Only 85 cc's of condensate was observed before water entered the cell. A visual bubble point of 522 psig @ 64°F was observed.