

GWF9107.009-RJS

SHOWS: Hydrocarbons were recovered from wireline tests in three sands:

2519m, 125 cc condensate
2740m, 47.66 cubic feet gas, 1500 cc condensate
2885m, 69.5 cubic feet gas, 900 cc condensate

During drilling, fluorescence from coals was reported below 2210m and high gas readings were associated with coal beds. Gas with hydrocarbon fractions heavier than methane was recorded on the gas chromatograph from depths below 2579m.

RESERVOIR: Log derived porosities for sands in the lower to middle *M.diversus* zone range between 11.2% and 18.5%. Values obtained from core analysis range up to 20.5%. Permeabilities calculated from pressure data by the operator are described as low throughout the entire lower to middle *M.diversus* zone. Permeabilities measured from core are also low (less than 10 millidarcies).

MATURITY: Only two maturity measurements were made at Pelican 4, both at approximately 2916.9m. The measured mean maximum vitrinite reflectance was 0.73 - 0.75% and is in agreement with maturity profiles established in other Pelican wells.

SOURCE ROCK: No source rock data has been collected from samples from Pelican 4, see data and observations from nearby Pelican 5.

POST MORTEM: Pelican 4 confirmed the presence of gas condensate charged lower to middle *M.diversus* reservoirs in a separate fault block at the southern end of the Pelican structure. Permeability data derived from core and test data were not encouraging and the well was plugged and abandoned.