

GWF9107.009-RJS

FIT 3	3103.2m REC 1000 cc water Lost pad seal HP = 6200 psi
FIT 4	2964.8m REC 2200 cc water FSIP = 4500 psi HP = 5800 psi
FIT 5	3191.3m Misrun
FIT 6	3048.0m REC 2100 cc water FSIP = 5000 psi HP = 5750 psi
FIT 7	3178.2m REC <u>1.1 cubic feet Gas</u> FSIP = 5300 psi HP = 6050 psi
FIT 8	3255.3m REC 2100 cc water FSIP = 5950 psi HP = 6700 psi

SHOWS: Only low levels of background gas were reported throughout the Eastern View Coal Measures, the only exception was when the well kicked from a sandstone interval (3183.3 - 3185.2m). Subsequent testing of the zone by FIT's produced fresh water and a small volume of gas, probably solution gas.

RESERVOIR: The reservoir quality of sandstones within the zone of abnormal pressure was good, individual beds up to 18m thick have core porosities of 15 - 28% and permeabilities of up to several hundred millidarcies.

MATURITY: The oil window (vitrinite reflectance 0.7%) was intersected at approximately 3050m. The maximum recorded mean vitrinite reflectance of 0.9% occurs at total depth, however, there is a large variation in the results at this depth with values ranging from 0.70 - 0.95% from individual samples.

SOURCE ROCK: Only three samples were analysed from Poonboon 1, all for total organic carbon only. Two coals at 3040.3 and 2473.1m yielded 27.6% and 63.1% TOC respectively, whilst a shale at 2687.7m yielded 1.93% TOC.

CONTRIBUTIONS TO KNOWLEDGE/REASONS FOR FAILURE:

Poonboon 1 established that good quality reservoirs can be preserved at depth within the Eastern View Coal Measures and within the abnormally pressured zone.

The absence of hydrocarbons in the well other than in the interval 3183.3 - 3185.2m is not fully understood. Contributing factors may be, a small drainage area or poor source rock development in the drainage area. Further mapping of the Poonboon structure is required using the latest Amoco data to determine the structural validity of the well.