

GWF9107.009-RJS

WELL SUMMARY AND POST MORTEM

WELL: Pelican 5 **OPERATOR:** Amoco **PERMIT:** T/22P
LOCATION: Lat: 40° 20' 43.472"S Long: 145° 41' 49.296"E
SPUD: 28 December 1986 **RIG RELEASE:** 16 April 1986
TD: 4267m **KB:** 22.3m **WATER DEPTH:** 77m
DRILLING RIG: Diamond M.Epoch **STATUS:** Gas Cond Appraisal, P&A

STRUCTURE: Pelican 5 was drilled to establish the deliverability characteristics of the lower to middle *M.diversus* gas condensate charged reservoirs discovered and appraised by Pelican 1, 2 and 4. The location was selected on the basis of a map produced at the top of the 'F' sand (the thickest of the reservoir sands in the *M.diversus* zone). The selected location was on the same faulted block as the Pelican 1 well approximately half way between it and Pelican 4.

A secondary objective of the well was to evaluate the reservoir and hydrocarbon charge potential of the Palaeocene and Late Cretaceous sedimentary sequence which also have closure over the Pelican structure.

STRATIGRAPHY:

	KB(M)	SS(M)
Torquay Group	99.7	- 77.4
Demons Bluff Formation	1630.0	1608.0
EVCN	1747.0	-1725.0
<i>M.M.diversus</i>	2553.0	-2531.0
<i>L.balmei</i>	3111.0	-3089.0
? <i>T.lillei</i>	3940.0	-3918.0
TD (<i>T.lillei</i>)	4267.0	-4245.0

DRILLING DATA:

Hole Size (")	Depth (m:KB)
36	195
26	411
17½	1776
12¼	3002
8½	3647
6	4267
Casing size (")	Depth (m:KB)
30	192.0
20	400.2
13¾	1753.8
9⅝	2994.1
7	3647.2
5	4065.1

DRILLING: Minor difficulties were encountered in the Torquay group during the first logging run and during running the 13¾" casing due to tight hole conditions. Despite increasing abnormal pressures below the *M.diversus* palynological zone, no drilling problems were encountered.