Petroleum Technology Laboratory, Bureau of Mineral Resources, Geology and Geophysics, Canberra

CORE ANALYSIS RESULTS

NOTE: (i) Unless otherwise stated, porosities and permeabilities were determined on two plugs (V&H) cut vertically and horizontally to the axis of the core. Ruska porosimeter and permeameter were used with air and dry nitrogen as the saturating and flowing media respectively. (ii) Oil and water saturations were determined using Soxhlet type apparatus. (iii) Acetone test precipitates are recorded as Neg., Trace, Fair, Strong or Very Strong.

WELL NAME AND NO. Pelican No.4

DATE ANALYSIS COMPLETED 21st June, 1979.

Core No.	Sample* Depth		Lithology	Average Effective Porosity two plugs (% Bulk Vol.	Absolute Permeability (Millidarcy)		Average Density (gm/cc.)		Fluid Saturation (% pore space)		Core Water Salinity (p.p.m. NaCl)	Acetone Test	Fluorescence of freshly broken core	Sample "cut" in tetrachlorethylene
	From	To			V	H	Dry Bulk	Apparent Grain	Water	Oil				
1	9358'		Sst.F.gr.	17.2	0.8	0.8	2.20	2.66	28	3	N.D.	Trace	Trace	Trace
1	9360'		"	21.5	2.0	4.2	2.21	2.72	37	2	"	"	"	"
1	9364		Shale & siltstone	14.1	1.4	2.0	2.36	2.75	36	Trace	"	"	"	"
2	9563'-0"	9563'-4"	Sst.F.gr.	18.1	1.8	3.3	2.14	2.62	56	4	"	"	Fair	Fair
2	9573'-11"	9574'-2"	"	18.7	0.4	0.8	2.21	2.72	34	2	"	"	"	"
2	9582'-5"	9582'-8"	"	20.5	2.7	2.2	2.16	2.71	40	5	"	Fair	"	"
2	9584'-4"	9584'-9"	Sst.M.Gr.	19.8	2.2	4.8	2.16	2.70	37	3	"	"	"	"
2	9596'-7"	9597'-0"	Sst.F.Gr.	18.4	0.7	1.7	2.21	2.71	53	Trace	"	"	"	"

Remarks: -

General File No. ~~57/399~~ 77/925
Well File No. _____

* DEPTHS FOR CORE #1 HAVE SUBSEQUENTLY BEEN ADJUSTED DOWN 12' TO MATCH LOGS
* DEPTHS FOR CORE #2 HAVE SUBSEQUENTLY BEEN ADJUSTED DOWN 10' TO MATCH LOGS

TABLE 3 (Contd