

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. Cormorant No 1DATE ANALYSIS COMPLETED 28/4/71

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
	From	To			V	H	Dry Bulk	Apparatus Grain	Water	Oil			
1	2996'0"	2996'6"	Slst; arg calc.	25.3*	N.D.	N.D.	1.91	2.55	100	Nil	N.D.	Neg	Nil
2	3815'0"	3815'8"	Sh; mic	5.3	< 0.1	< 0.1	2.52	2.65	56	Nil	N.D.	Neg	Nil
3	4271'0"	4271'2"	Slst; arg.	8.9	< 0.1	< 0.1	2.86	3.13	42	Nil	N.D.	Neg	Nil
4	4290'0"	4290'6"	Sst; v.f. gr slty. arg.	1.5	< 0.1	< 0.1	2.71	2.75	100	Nil	N.D.	Neg	Nil
5	4941'0"	4941'6"	Sst; v.f. gr mic, carb	21.7	0.27	1.2	2.11	2.68	17	Nil	N.D.	Neg	Nil
5	4949'6"	4950'0"	as above	18.8	< 0.1	1.5	2.27	2.79	10	Nil	N.D.	Neg	Nil
6	4963'0"	4963'6"	as above	12.9	< 0.1	0.15	2.52	2.89	37	Nil	N.D.	Neg	Nil
6	4983'9"	4984'1"	Sst; f. gr carb.	13.9	5.1	3.3	2.55	2.96	4	Nil	N.D.	Neg	Nil

Remarks: - * Sample shows drying cracks

General File No. 69/1414

Well File No. _____