

384099

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. 1DATE ANALYSIS COMPLETED AUGUST 28, 1970

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	Fluorescence of Sample "cut" in Tetrachlorethylene
	From	To			V	H	Dry Bulk	Apparent Grain	Water	Oil				
1	5604'11"	5605'6"	Sh.	17	N.D.	N.D.	2.12	2.56	80	Nil	N.D.	Neg.	Nil	Nil
2	5848'3"	5849'10"	Sst; aren arg.	28	0.43	1.2	2.06	2.87	47	Nil	N.D.	Neg.	Nil	Nil
2	5860'0"	5860'6"	As above	25	0.50	1.3	2.10	2.80	44	Nil	N.D.	Neg.	Nil	Nil
3	7126'10"	7127'2"	Sst; v.f. gr. slty. carb	13	<0.1	0.17	2.30	2.73	30	Nil	N.D.	Neg.	Nil	Nil
4	7763'7"	7764'2"	Sst; f.gr. sh. intbd.	11	0.74	0.13	2.42	2.72	52	Nil	N.D.	Neg.	Very dull even orange spotted	Faint trace
4	7766'3"	7766'8"	Sst; f.gr. carb.	14	0.19	0.64	2.34	2.74	48	Nil	N.D.	Neg.	"	Trace
4	7774'3"	7774'11"	Sst; f.gr. arg. slty	13	<0.1	<0.1	2.61	3.01	56	Nil	N.D.	Neg.	"	Nil
5	8354'4"	8354'9"	Sst; f.gr. carb. mic.	17	2.8	14	2.22	2.67	16	Nil	N.D.	Neg.	"	Nil

Remarks: - \* FRACTURED

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