

CORE ANALYSIS RESULTS

NOTE: - (i) Unless otherwise stated, the porosities and permeabilities were determined on two small plugs (V&H) cut at right angles from the core. Ruska porosimeter and permeameter were used with, air at 30 p.s.i.g. and dry nitrogen, respectively, as the saturating and flowing media. (ii) Residual oil and gas saturations were determined using soxhlet type apparatus. (iii) Acetone test precipitates are recorded as nil, trace, fair, strong or very strong.

Material submitted was very poor, being small size, irregular pieces of poorly consolidated, friable and argillaceous sandstone.

WELL NAME AND NO.

PECTEN 1A

DATE OF TEST.

25th MAY 1967

Core No. on container lid	Depth From:- To:-	Lithology	Average Effective Porosity from two plugs (% Bulk Vol.)	Absolute Permeability (Millidarcy)		Average Density (gm/cc.)		Fluid Saturation (% of pore space)		Acetone Test	Core Water Salinity (P.P.M. NaCl)	Solubility in 15% HCl (% Bulk vol.)	Fluorescence of freshly broken core.
				V	H	Dry Bulk	Apparent Grain	Water	Oil				
30	749.8m 2460	Sandstone, calcareous	m.gr., 32	H.D.	H.D.	1.80	2.65	81	Nil	H.D.	N.D.	N.D.	N.D.
29	777M 2550	"	27	"	"	1.92	2.63	100	"	"	"	"	"
28	789M 2590	"	38	"	"	1.78	2.71	47	"	"	"	"	"
23	1467.9M 4816	"	28	"	30	1.96	2.72	N.D.	"	"	"	"	"
19	1513 M 4964	Sst, V.f.gr., friable, argillaceous	26	"	N.D.	2.29	2.89	54	"	"	"	"	"
18	1519 M 4985	"	20	"	19	2.17	2.72	100	"	"	"	"	"
5	1782 M 5880	Sandstone, friable	f.gr., 29	"	H.D.	1.89	2.66	74	"	"	"	"	"

Only two samples (Nos. 23 and 18) were of sufficient size to enable permeability to be determined. After drying and re-saturating for formation factor determination these two samples disintegrated due to their argillaceous content. All other samples of small, irregular pieces from $\frac{1}{4}$ to $\frac{1}{2}$ inch max. length

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