CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PERMEABILITY VS POROSITY

COMPANY: AMOCO AUSTRALIA PETROLEUM CO.   WELL   : PELICAN NO.5
FIELD : PELICAN   COUNTY, STATE: BASS BASIN

AIR PERMEABILITY : MD - HORIZONTAL   (UNCORRECTED FOR SLIPPAGE)
POROSITY   : PERCENT   (HELIUM   )

DEPTH INTERVAL	RANGE & SYMBOL	PERMEABILITY MINIMUM	MAXIMUM	POROSITY MIN.	MAX.	POROSITY AVERAGE	PERMEABILITY AVERAGES ARITHMETIC	HARMONIC	GEOMETRIC
2790.5 - 2900.0	1 (+)	0.040	240.0	8.4	22.7	16.0	17.	0.51	2.2

EQUATION OF REDUCED LINE RELATING PERMEABILITY(K) TO POROSITY :
LOG(K) = (SLOPE)(POROSITY) + LOG OF INTERCEPT
K   = ANTILOG((SLOPE)(POROSITY) + LOG OF INTERCEPT)

RANGE	EQUATION OF THE LINE
1	PERM = ANTILOG((0.3142)(POROSITY) + -4.6666)