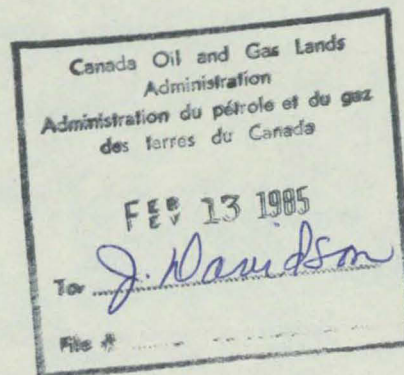


CORE LABORATORIES - CANADA, LTD.

Petroleum Reservoir Engineering



CORE ANALYSIS

PETRO-CANADA EXPLORATION INC.
PCI ET AL TWEED LAKE M-47
TWEED LAKE, N.W.T.
66 55'47" N LAT. 125 54'09" W LONG.
85-02-09

FEB 10 1985

PERMEABILITY VALUES REPRESENT MEASUREMENTS ON
PARTIALLY EXTRACTED SAMPLES ONLY. POROSITY DERIVED
FROM SUMMATION OF FLUIDS METHOD.

CORE LABORATORIES - CANADA, LTD.

COMPANY PETRO-CANADA EXPLORATION INC.
 WELL PCI ET AL TWEED LAKE N-47
 FIELD TWEED LAKE, N.W.T.
 LOCATION 66 55'47" N LAT. 125 54'09" W LONG.

FORMATION
 CORING EQUIPMENT DIAMOND
 CORE DIAMETER (mm) 88
 CORING FLUID WATER BASE MUD

PAGE 1
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 DATE 85-02-09
 ANALYSTS RP

FULL DIAMETER ANALYSIS

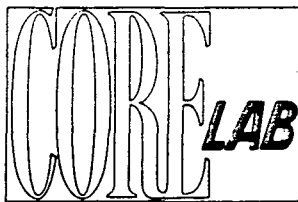
Sample Number	Depth Metres (m)	Permeability to Air					Residual Saturation					VISUAL EXAMINATION		
		m	Sample Rep.	Length	Millidarcys			Perm. X m	Porosity		Density:kg/m3 Bulk		(Frac of Pore Vol)	
					mD Max.	mD 90 deg.	mD V		X	X			Oil	Water
CORE NO. 1 1217.00 m - 1224.00 (core received 7.05 m) (5 Boxes)														
1	1217.00-17.23	0.23	-	0.04	-	-	0.009	0.137	0.032	-	-	0.095	0.339	
2	1217.23-17.39	0.16	-	0.33	-	-	0.053	0.104	0.017	-	-	0.186	0.453	
3	1217.39-17.62	0.23	-	0.32	-	-	0.074	0.100	0.023	-	-	0.111	0.269	
4	1217.62-17.78	0.16	-	0.20	-	-	0.032	0.073	0.012	-	-	0.125	0.267	
5	1217.78-17.94	0.16	-	<0.01	-	-	-	0.050	0.008	-	-	0.142	0.142	
6	1217.94-18.05	0.11	-	-	-	-	-	0.044	0.005	-	-	0.107	0.312	
7	1218.05-18.22	0.17	-	-	-	-	-	0.051	0.009	-	-	0.093	0.585	
8	1218.22-18.35	0.13	-	0.08	-	-	0.010	0.070	0.009	-	-	0.164	0.481	
9	1218.35-18.58	0.23	-	-	-	-	-	0.024	0.006	-	-	0.295	0.328	
10	1218.58-18.88	0.30	-	0.24	-	-	0.072	0.120	0.036	-	-	0.161	0.407	
11	1218.88-19.04	0.16	-	0.16	-	-	0.026	0.088	0.014	-	-	0.204	0.579	
12	1219.04-19.18	0.14	-	<0.01	-	-	-	0.079	0.011	-	-	0.171	0.662	
-	1219.18-19.48	0.30	-	-	-	-	-	-	-	-	-	-	-	sh shg sdy
13	1219.48-19.61	0.13	-	-	-	-	-	0.082	0.011	-	-	0.137	0.711	
-	1219.61-22.91	3.30	-	-	-	-	-	-	-	-	-	-	-	sh
14	1222.91-23.09	0.18	-	0.67	-	-	0.120	0.040	0.007	-	-	0.179	0.149	
15	1223.09-23.24	0.15	-	-	-	-	-	0.082	0.012	-	-	0.086	0.724	
16	1223.24-23.51	0.27	-	-	-	-	-	0.073	0.020	-	-	0.065	0.740	
-	1223.51-24.05	0.54	-	-	-	-	-	-	-	-	-	-	-	sh

THESE ANALYSES, OPINIONS OR INTERPRETATIONS ARE BASED ON OBSERVATIONS AND MATERIALS SUPPLIED BY THE CLIENT TO WHOM; AND FOR WHOSE EXCLUSIVE AND CONFIDENTIAL USE; THIS REPORT IS MADE. THE INTERPRETATIONS OR OPINIONS EXPRESSED REPRESENT THE BEST JUDGMENT OF CORE LABORATORIES - CANADA LTD. (ALL ERRORS AND OMISSIONS EXCEPTED); BUT CORE LABORATORIES - CANADA LTD. AND ITS OFFICERS AND EMPLOYEES, ASSUME NO RESPONSIBILITY AND MAKE NO WARRANTY OR REPRESENTATIONS, AS TO THE PRODUCTIVITY, PROPER OPERATIONS, OR PROFITABLENESS OF ANY OIL, GAS OR OTHER MINERAL WELL OR SAND IN CONNECTION WITH WHICH SUCH REPORT IS USED OR RELIED UPON.

CORE LABORATORIES - CANADA, LTD.

CODE KEY - DESCRIPTIONS

anhv	= Anhydrite	hal	= Halite (Salt)	SCAL	= removed for special core analysis
AST	= Appears similar to	i	= Intergranular	sdv	= Sandy
bk	= Break	lam	= Laminæ (Laminated)	SEM	= Scanning electron microscope analysis
bldr	= Boulder	lmv	= Limy	sh	= Shale
c	= Coarse	ls	= Limestone	sltst	= Siltstone
calc	= Calcite (areous)	lv	= Large vug	slty	= Silty
carb	= Carbonaceous	m	= Medium	ss	= Sandstone
cbl	= Cobble	mi	= Mud invaded	sshy	= Slightly Shaly (<20%)
CEC	= Cation exchange capacity	mic	= Micaceous	sty	= Stylolite (ic)
csl	= Conglomerate	mshy or shy	= Moderately shaly (20-40%)	sulf	= Sulphur
					= not for core analysis



IPANY _____

FILE NO. 7004-85-209C

L PCI TWEED LAKE M-47

DATE _____

D _____

FORMATION _____

ELEV. _____

VINCE _____

DRLG. FLD. _____

CORES _____

ATION _____

CORRELATION COREGRAPH

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VERTICAL SCALE: 10cm = 24m

