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38840

MONSANTO  
SEAL SANDS 1/W45  
CORE ANALYSIS

#### **4.4 Core Analysis**



CORE LABORATORIES, INC.

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*International Department*

REPLY TO  
2, Mitcham Industrial Estate  
Streatham Road  
Mitcham, London, CR4 2AP

JSG/may.

29th January, 1975.

Monsanto Chemicals Ltd.,  
Monsanto House,  
14-18, Victoria Street,  
London,  
S.W.1.

Attention: Mr. Bill McCaw.

Ref: UKCA/996.

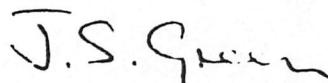
Dear Sir,

Sidewall sliced samples from your Teeside Disposal well were analysed for porosity and permeability in this laboratory.

Porosity measurements were obtained using the Boyles Law helium gas expansion method and permeability by micropermeameter, after the samples were resin mounted. From 4264'7" to 4265'10" porosity samples were taken in variance to permeability samples owing to small core size, however, the values reported will be representative of the total interval.

We trust that this report meets with your approval and thank you for the opportunity to be of service.

Yours sincerely,  
CORE LABORATORIES, INC.

  
J.S. Green.  
Laboratory Manager.

**CORE LABORATORIES, Inc.**  
**Petroleum Reservoir Engineering**  
**DALLAS, TEXAS**

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## Core Analysis Results

Company	MONSANTO LIMITED	Formation	UKCA 996			
Well	DISPOSAL WELL NO. 1	Core Type	Date Report JANUARY 1975			
Field	UK	Drilling Fluid	Analysts JG			
County	SEAL SANDS	State	TEESIDE	Elev.	Location	ONSHORE

Lithological Abbreviations									
Sand-Sd	Dolomite-Dol	Anhydrite-Anhy	Sandy-Sdy	Fine-Fn	Crystalline-Xlm	Brown-Brn	Fractured-Frac	Slightly-Sl	
Shale-Sh	Chert-Ch	Conglomerate-Cong	Shaly-Shy	Medium-Med	Grain-Grn	Gray-Gy	Lamination-Lam	Very-V/	
Lime-Lm	Gypsum-Gyp	Fossiliferous-Foss	Limy-Lmy	Coarse-Cse	Granular-Gml	Vuggy-Vgy	Stylolitic-Sty	With-W/	
Sample Number	Depth Feet	Horizontal Permeability Millidarcys	Ka	Kl	Helium Porosity Per Cent	Residual Saturation Per Cent Pore	Oil	Total Water	Sample Description and Remarks

### CORE NO. 1

4529'3"	1.6	1.1	10.3	Ss, gy, m-fg, w std, w cmtd.
4530'0"	2.7	1.9	10.6	AA
4531'0"	2.3	1.6	10.9	AA
4532'0"	1.2	0.8	9.3	AA

### CORE NO. 2

4521'0"	8.1	6.2	13.7	Ss, gy, m-fg, w std, w cmtd.
4522'0"	6.7	5.1	13.4	AA
4523'0"	4.8	3.6	12.8	AA
4524'0"	0.53	0.34	11.8	AA

### CORE NO. 3

4263'0"	0.24	0.15	3.7	Ss, gy, fg, w std, v w cmtd.
4264'0"	0.13	0.08	8.5	AA, m-fg.
4264'7"			10.7	-
4264'11"	0.08	0.05		AA, m-fg.
4265'8"	0.77	0.52		AA
4265'10"			7.1	-

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