

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 SWC's  
Country Of Origin : Norway  
Depth (m) : 4036  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.57	S1 : 0.59	M2 : 0.00
H2 : 0.45	S2 : 0.50	M3 : 0.00
H3 : 0.89	S3 : 44:31:24	M4 : 53.81
H4 : 0	S4 : 37:28:33	M5 :
H5 : 100:96:41:44:15:12	S5 : 16.41	A1 : 0.17
H6 : 0.43	S6 :	A2 : 0.23
H7 : 0.72	S7 : 64.84	A3 : 0.41
H8 :	S8 : 0.00	A4 : 0.18
H9 :	S9 :	A5 : 2.11
H10 :	S10 :	A6 : 1.23
H11 : 13.84		MDR : 0.00
H12 : 12.23		MBP : 0.00
H13 : 19.05		
H14 : 6.67		
H15 : 0.00		
H16 : 0.00		
H17 : 45.29		
H18 : 27.87		

## HPLC

Saturates %wt : 3.06  
Aromatics %wt : 0.33  
Residues %wt : 96.61

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane : 0.84  
Pristane/nC17 : 0.79  
Phytane/nC18 : 0.95  
CPI : 1.11  
ALKIND : 64.22  
R22 : 1.03

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 SWC's  
Country Of Origin : Norway  
Depth (m) : 4048  
Sample name :  
Test Number :  
G number : G

### Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

### Biomarker Ratios

H1 : 0.54	S1 : 0.63	M2 : 0.00
H2 : 0.47	S2 : 0.55	M3 : 0.00
H3 : 0.90	S3 : 46:30:23	M4 : 58.17
H4 : 0	S4 : 35:29:34	M5 :
H5 : 100:97:43:24:12:9	S5 : 17.04	A1 : 0.26
H6 : 0.40	S6 :	A2 : 0.26
H7 : 0.54	S7 : 66.90	A3 : 0.34
H8 :	S8 : 0.00	A4 : 0.13
H9 :	S9 :	A5 : 0.45
H10 :	S10 :	A6 : 1.25
H11 : 9.48		MDR : 0.00
H12 : 8.72		MBP : 0.00
H13 : 15.87		
H14 : 4.69		
H15 : 0.00		
H16 : 0.00		
H17 : 42.87		
H18 : 24.74		

### HPLC

Saturates %wt : 3.92  
Aromatics %wt : 0.30  
Residues %wt : 95.78

Asphaltenes (Micro Method) %wt :

### Saturates GC

Pristane/Phytane : 0.24  
Pristane/nC17 : 0.48  
Phytane/nC18 : 0.94  
CPI : 1.11  
ALKIND :  
R22 : 1.23

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 SWC's  
Country Of Origin : Norway  
Depth (m) : 4110  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.57	S1 : 0.53	M2 : 0.00
H2 : 0.48	S2 : 0.57	M3 : 0.00
H3 : 0.88	S3 : 47:21:30	M4 : 63.08
H4 : 0	S4 : 36:29:34	M5 :
H5 : 100:90:47:30:14:13	S5 : 21.18	A1 : 0.26
H6 : 0.43	S6 :	A2 : 0.27
H7 : 0.62	S7 : 60.71	A3 : 0.38
H8 :	S8 : 0.00	A4 : 0.21
H9 :	S9 :	A5 : 0.42
H10 :	S10 :	A6 : 1.01
H11 : 13.75		MDR : 0.00
H12 : 10.22		MBP : 31.38
H13 : 15.89		
H14 : 6.43		
H15 : 0.00		
H16 : 0.00		
H17 : 48.14		
H18 : 25.34		

## HPLC

Saturates %wt : 5.76  
Aromatics %wt : 2.98  
Residues %wt : 91.26

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane : 1.19  
Pristane/nC17 : 0.68  
Phytane/nC18 : 0.52  
CPI : 1.11  
ALKIND : 67.84  
R22 : 0.83

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 SWC's  
Country Of Origin : Norway  
Depth (m) : 4182  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.55	S1 : 0.59	M2 : 0.84
H2 : 0.51	S2 : 0.49	M3 : 0.72
H3 : 0.88	S3 : 40:30:28	M4 : 59.04
H4 : 0	S4 : 34:30:34	M5 :
H5 : 100:80:42:27:12:8	S5 : 19.99	A1 : 0.50
H6 : 0.37	S6 :	A2 : 0.56
H7 : 0.60	S7 : 58.62	A3 : 0.47
H8 :	S8 : 0.00	A4 : 0.26
H9 :	S9 :	A5 : 0.68
H10 :	S10 :	A6 : 1.55
H11 : 9.50		MDR : 4.34
H12 : 8.23		MBP : 56.53
H13 : 16.74		
H14 : 10.00		
H15 : 0.00		
H16 : 0.00		
H17 : 41.31		
H18 : 27.16		

## HPLC

Saturates %wt : 5.52  
Aromatics %wt : 7.80  
Residues %wt : 86.69

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane : 0.48  
Pristane/nC17 : 0.50  
Phytane/nC18 : 0.71  
CPI : 1.11  
ALKIND :  
R22 : 1.18

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 SWC's  
Country Of Origin : Norway  
Depth (m) : 4226  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.62	S1 : 0.53	M2 : 0.00
H2 : 0.46	S2 : 0.60	M3 : 0.00
H3 : 0.90	S3 : 49:21:29	M4 : 60.87
H4 : 0	S4 : 36:28:34	M5 :
H5 : 100:95:41:30:13:12	S5 : 16.82	A1 : 0.22
H6 : 0.40	S6 :	A2 : 0.28
H7 : 0.62	S7 : 62.74	A3 : 0.27
H8 :	S8 : 0.00	A4 : 0.10
H9 :	S9 :	A5 : 0.50
H10 :	S10 :	A6 : 1.62
H11 : 5.44		MDR : 0.00
H12 : 8.02		MBP : 0.00
H13 : 19.26		
H14 : 7.23		
H15 : 0.00		
H16 : 0.00		
H17 : 46.72		
H18 : 33.94		

## HPLC

Saturates %wt : 7.80  
Aromatics %wt : 2.25  
Residues %wt : 89.95

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane : 0.19  
Pristane/nC17 : 0.98  
Phytane/nC18 : 1.68  
CPI : 1.11  
ALKIND : 13.67  
R22 : 1.55

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 SWC's  
Country Of Origin : Norway  
Depth (m) : 4234  
Sample name :  
Test Number :  
G number : G

### Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

### Biomarker Ratios

H1 : 0.61	S1 : 0.55	M2 : 0.00
H2 : 0.46	S2 : 0.60	M3 : 0.00
H3 : 0.89	S3 : 50:21:28	M4 : 63.65
H4 : 0	S4 : 36:30:33	M5 :
H5 : 100:86:46:29:13:9	S5 : 18.25	A1 : 0.28
H6 : 0.50	S6 :	A2 : 0.30
H7 : 0.58	S7 : 63.94	A3 : 0.24
H8 :	S8 : 0.00	A4 : 0.11
H9 :	S9 :	A5 : 0.57
H10 :	S10 :	A6 : 1.36
H11 : 14.59		MDR : 0.00
H12 : 12.25		MBP : 0.00
H13 : 17.15		
H14 : 5.26		
H15 : 0.00		
H16 : 0.00		
H17 : 43.25		
H18 : 30.75		

### HPLC

Saturates %wt : 18.31  
Aromatics %wt : 4.07  
Residues %wt : 77.62

Asphaltenes (Micro Method) %wt : —

### Saturates GC

Pristane/Phytane : 0.52  
Pristane/nC17 : 0.60  
Phytane/nC18 : 0.79  
CPI : 1.11  
ALKIND : 39.27  
R22 : 0.95

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 SWC's  
Country Of Origin : Norway  
Depth (m) : 4452.5  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.54	S1 : 0.50	M2 : 0.88
H2 : 0.49	S2 : 0.51	M3 : 0.53
H3 : 0.81	S3 : 42:20:37	M4 : 73.13
H4 : 5	S4 : 35:27:36	M5 :
H5 : 100:106:39:21:10:5	S5 : 38.80	A1 : 0.48
H6 : 0.32	S6 :	A2 : 0.58
H7 : 0.61	S7 : 53.06	A3 : 0.72
H8 :	S8 : 0.00	A4 : 0.36
H9 :	S9 :	A5 : 0.67
H10 :	S10 :	A6 : 2.05
H11 : 12.66		MDR : 0.94
H12 : 17.05		MBP : 25.82
H13 : 18.08		
H14 : 3.71		
H15 : 0.00		
H16 : 0.00		
H17 : 34.24		
H18 : 11.23		

## HPLC

Saturates %wt : 0.81  
Aromatics %wt : 5.44  
Residues %wt : 93.75

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane : 2.58  
Pristane/nC17 : 1.76  
Phytane/nC18 : 0.68  
CPI : 1.11  
ALKIND : 71.85  
R22 : 0.96

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

**APPENDIX 2  
CORE EXTRACTS DATA**

BA-97-1914-1



# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 2981  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.47	S1 : 0.43	M2 : 1.84
H2 : 0.51	S2 : 0.43	M3 : 1.08
H3 : 0.86	S3 : 39:37:23	M4 : 54.00
H4 : 0	S4 : 39:33:26	M5 :
H5 : 100:41:30:13:7:2	S5 : 50.99	A1 : 0.10
H6 : 0.51	S6 :	A2 : 0.12
H7 : 0.60	S7 : 62.15	A3 : 0.73
H8 :	S8 : 0.00	A4 : 0.33
H9 :	S9 :	A5 : 0.82
H10 :	S10 :	A6 : 1.78
H11 : 14.95		MDR : 5.37
H12 : 42.25		MBP : 28.73
H13 : 25.01		
H14 : 16.77		
H15 : 0.00		
H16 : 0.00		
H17 : 22.45		
H18 : 82.60		

## HPLC

Saturates %wt : 53.54  
Aromatics %wt : 42.13  
Residues %wt : 4.33

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 2998  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.54	S1 : 0.45	M2 : 1.74
H2 : 0.53	S2 : 0.44	M3 : 0.87
H3 : 0.88	S3 : 51:31:17	M4 : 46.74
H4 : 0	S4 : 42:33:24	M5 :
H5 : 100:27:12:3:2:0	S5 : 43.55	A1 : 0.07
H6 : 0.50	S6 :	A2 : 0.19
H7 : 0.68	S7 : 74.74	A3 : 0.94
H8 :	S8 : 0.00	A4 : 0.60
H9 :	S9 :	A5 : 1.21
H10 :	S10 :	A6 : 2.04
H11 : 25.61		MDR : 5.14
H12 : 67.94		MBP : 31.81
H13 : 30.53		
H14 : 14.19		
H15 : 0.00		
H16 : 0.00		
H17 : 15.29		
H18 : 97.50		

## HPLC

Saturates %wt : 41.64  
Aromatics %wt : 49.00  
Residues %wt : 9.36

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 3017  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.49	S1 : 0.46	M2 : 1.72
H2 : 0.55	S2 : 0.42	M3 : 0.96
H3 : 0.86	S3 : 43:37:19	M4 : 48.61
H4 : 0	S4 : 40:32:26	M5 :
H5 : 100:34:22:6:3:0	S5 : 43.32	A1 : 0.10
H6 : 0.51	S6 :	A2 : 0.17
H7 : 0.65	S7 : 69.44	A3 : 0.85
H8 :	S8 : 0.00	A4 : 0.43
H9 :	S9 :	A5 : 0.80
H10 :	S10 :	A6 : 2.01
H11 : 17.69		MDR : 5.08
H12 : 48.32		MBP : 56.65
H13 : 25.96		
H14 : 16.44		
H15 : 0.00		
H16 : 0.00		
H17 : 14.39		
H18 : 79.63		

## HPLC

Saturates %wt : 58.05  
Aromatics %wt : 40.64  
Residues %wt : 1.31

Asphaltenes (Micro Method) %wt : —

## Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 3031.85  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.57	S1 : 0.47	M2 : 1.76
H2 : 0.53	S2 : 0.39	M3 : 1.01
H3 : 0.87	S3 : 45:34:19	M4 : 52.53
H4 : 0	S4 : 42:34:22	M5 :
H5 : 100:31:15:4:2:0	S5 : 53.64	A1 : 0.14
H6 : 0.52	S6 :	A2 : 0.22
H7 : 0.70	S7 : 69.97	A3 : 0.90
H8 :	S8 : 0.00	A4 : 0.51
H9 :	S9 :	A5 : 1.08
H10 :	S10 :	A6 : 2.23
H11 : 39.91		MDR : 5.08
H12 : 83.21		MBP : 32.19
H13 : 28.87		
H14 : 14.02		
H15 : 0.00		
H16 : 0.00		
H17 : 19.76		
H18 : 89.29		

## HPLC

Saturates %wt : 23.50  
Aromatics %wt : 20.69  
Residues %wt : 55.81

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 3046.15  
Sample name :  
Test Number :  
G number : G

### Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

### Biomarker Ratios

H1 : 0.54	S1 : 0.45	M2 : 1.88
H2 : 0.53	S2 : 0.40	M3 : 1.11
H3 : 0.87	S3 : 42:36:21	M4 : 52.49
H4 : 0	S4 : 43:32:24	M5 :
H5 : 100:31:14:4:2:0	S5 : 53.47	A1 : 0.15
H6 : 0.52	S6 :	A2 : 0.24
H7 : 0.62	S7 : 66.60	A3 : 0.89
H8 :	S8 : 0.00	A4 : 0.49
H9 :	S9 :	A5 : 1.00
H10 :	S10 :	A6 : 2.23
H11 : 28.95		MDR : 5.09
H12 : 65.41		MBP : 49.25
H13 : 28.51		
H14 : 15.19		
H15 : 0.00		
H16 : 0.00		
H17 : 21.61		
H18 : 88.25		

### HPLC

Saturates %wt : 56.85  
Aromatics %wt : 40.99  
Residues %wt : 2.16

Asphaltenes (Micro Method) %wt :

### Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 3047.5  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.53	S1 : 0.40	M2 : 1.59
H2 : 0.51	S2 : 0.45	M3 : 1.01
H3 : 0.85	S3 : 37:38:23	M4 : 54.63
H4 : 0	S4 : 38:32:29	M5 :
H5 : 100:36:18:5:2:0	S5 : 51.28	A1 : 0.09
H6 : 0.48	S6 :	A2 : 0.13
H7 : 0.63	S7 : 61.67	A3 : 0.79
H8 :	S8 : 0.00	A4 : 0.33
H9 :	S9 :	A5 : 0.82
H10 :	S10 :	A6 : 2.21
H11 : 14.25		MDR : 5.11
H12 : 39.51		MBP : 46.40
H13 : 28.66		
H14 : 22.34		
H15 : 0.00		
H16 : 0.00		
H17 : 15.29		
H18 : 81.81		

## HPLC

Saturates %wt : 54.72  
Aromatics %wt : 45.14  
Residues %wt : 0.14

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 3083.5  
Sample name :  
Test Number :  
G number : G

### Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

### Biomarker Ratios

H1 : 0.56	S1 : 0.45	M2 : 1.60
H2 : 0.53	S2 : 0.39	M3 : 1.08
H3 : 0.87	S3 : 40:37:21	M4 : 53.00
H4 : 0	S4 : 42:33:24	M5 :
H5 : 100:29:13:3:1:0	S5 : 54.08	A1 : 0.08
H6 : 0.49	S6 :	A2 : 0.13
H7 : 0.65	S7 : 65.75	A3 : 0.88
H8 :	S8 : 0.00	A4 : 0.46
H9 :	S9 :	A5 : 0.97
H10 :	S10 :	A6 : 2.41
H11 : 28.16		MDR : 4.84
H12 : 60.17		MBP : 23.87
H13 : 31.81		
H14 : 21.11		
H15 : 0.00		
H16 : 0.00		
H17 : 22.33		
H18 : 91.87		

### HPLC

Saturates %wt : 41.63  
Aromatics %wt : 26.69  
Residues %wt : 31.68

Asphaltenes (Micro Method) %wt :

### Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 3103.3  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.58	S1 : 0.43	M2 : 1.68
H2 : 0.52	S2 : 0.38	M3 : 0.90
H3 : 0.87	S3 : 41:34:23	M4 : 55.65
H4 : 0	S4 : 41:33:25	M5 :
H5 : 100:34:16:5:2:0	S5 : 49.77	A1 : 0.15
H6 : 0.52	S6 :	A2 : 0.20
H7 : 0.63	S7 : 63.63	A3 : 0.53
H8 :	S8 : 0.00	A4 : 0.36
H9 :	S9 :	A5 : 0.91
H10 :	S10 :	A6 : 2.05
H11 : 19.34		MDR : 4.57
H12 : 47.17		MBP : 53.95
H13 : 28.44		
H14 : 17.80		
H15 : 0.00		
H16 : 0.00		
H17 : 20.91		
H18 : 84.96		

## HPLC

Saturates %wt : 43.53  
Aromatics %wt : 49.51  
Residues %wt : 6.97

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:



# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 3120  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.56	S1 : 0.44	M2 : 1.44
H2 : 0.51	S2 : 0.39	M3 : 0.95
H3 : 0.88	S3 : 44:33:21	M4 : 0.00
H4 : 0	S4 : 42:34:23	M5 :
H5 : 100:34:15:4:0:0	S5 : 52.77	A1 : 0.11
H6 : 0.53	S6 :	A2 : 0.20
H7 : 0.65	S7 : 67.95	A3 : 0.91
H8 :	S8 : 0.00	A4 : 0.54
H9 :	S9 :	A5 : 1.13
H10 :	S10 :	A6 : 2.06
H11 : 27.01		MDR : 4.04
H12 : 67.96		MBP : 50.31
H13 : 29.90		
H14 : 18.37		
H15 : 0.00		
H16 : 0.00		
H17 : 0.00		
H18 : 92.00		

## HPLC

Saturates %wt : 19.91  
Aromatics %wt : 16.47  
Residues %wt : 63.61

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 3128  
Sample name :  
Test Number :  
G number : G

### Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

### Biomarker Ratios

H1 : 0.53	S1 : 0.50	M2 : 1.79
H2 : 0.49	S2 : 0.47	M3 : 1.19
H3 : 0.86	S3 : 42:35:21	M4 : 53.66
H4 : 0	S4 : 38:32:29	M5 :
H5 : 100:43:25:8:5:3	S5 : 36.31	A1 : 0.20
H6 : 0.51	S6 :	A2 : 0.36
H7 : 0.64	S7 : 65.99	A3 : 0.91
H8 :	S8 : 0.00	A4 : 0.60
H9 :	S9 :	A5 : 0.88
H10 :	S10 :	A6 : 1.78
H11 : 20.01		MDR : 5.11
H12 : 44.87		MBP : 34.96
H13 : 23.73		
H14 : 15.43		
H15 : 0.00		
H16 : 0.00		
H17 : 36.15		
H18 : 73.88		

### HPLC

Saturates %wt : 2.10  
Aromatics %wt : 2.94  
Residues %wt : 94.96

Asphaltenes (Micro Method) %wt :

### Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK Core Extracts  
Country Of Origin : Norway  
Depth (m) : 3131.5  
Sample name :

### Inspection Properties

Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium :

### Biomarker Ratios

H1 :	0.53	S1 :	0.49	M2 :	1.63
H2 :	0.5	S2 :	0.39	M3 :	1.02
H3 :	0.87	S3 :	19:37:19	M4 :	46.89
H4 :	0	S4 :	42:32:24	M5 :	
H5 :	100:40:23:9:4:3	S5 :	37.82	A1 :	0.12
H6 :	0.5	S6 :		A2 :	0.21
H7 :	0.59	S7 :	69.41	A3 :	0.89
H8 :		S8 :	15.47	A4 :	0.51
H9 :		S9 :		A5 :	0.86
H10 :		S10 :		A6 :	2.37
H11 :	15.22			MDR :	6.03
H12 :	45.49			MBP :	23.97
H13 :	21.06				
H14 :	15.53				
H15 :	0				
H16 :	0				
H17 :	40.19				
H18 :	65.26				

### HPLC

Saturates %wt :  
Aromatics %wt :  
Residue %wt :  
Asphaltenes (Micro Method) %wt :

### Saturates GC

Pristane/Pyhtane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :  
Kerogen :

STANDARD :

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK Core Extracts  
Country Of Origin : Norway  
Depth (m) : 3134.5  
Sample name :

### Inspection Properties

Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium :

### Biomarker Ratios

H1 :	0.48	S1 :	0.36	M2 :	1.22
H2 :	0.49	S2 :	0.36	M3 :	0.74
H3 :	0.84	S3 :	30:39:30	M4 :	63.64
H4 :	0	S4 :	34:32:33	M5 :	
H5 :	100:46:31:12:7:3	S5 :	41.3	A1 :	0.21
H6 :	0.44	S6 :		A2 :	0.39
H7 :	0.6	S7 :	50.34	A3 :	0.93
H8 :		S8 :	47.16	A4 :	0.65
H9 :		S9 :		A5 :	0.78
H10 :		S10 :		A6 :	2.07
H11 :	6.56			MDR :	6.11
H12 :	21.38			MBP :	21.49
H13 :	25.97				
H14 :	26				
H15 :	0				
H16 :	0				
H17 :	29.7				
H18 :	59.56				

### HPLC

Saturates %wt :  
Aromatics %wt :  
Residue %wt :

Asphaltenes (Micro Method) %wt :

### Saturates GC

Pristane/Pyhtane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :  
Kerogen :

STANDARD :

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK Core Extracts  
Country Of Origin : Norway  
Depth (m) : 3140.5  
Sample name :

### Inspection Properties

Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium :

### Biomarker Ratios

H1 :	0.54	S1 :	0.37	M2 :	1.67
H2 :	0.53	S2 :	0.44	M3 :	1.11
H3 :	0.84	S3 :	06:39:30	M4 :	57.96
H4 :	0	S4 :	31:34:34	M5 :	
H5 :	100:51:35:16:10:3	S5 :	41.85	A1 :	0.21
H6 :	0.47	S6 :		A2 :	0.22
H7 :	0.62	S7 :	50.35	A3 :	0.67
H8 :		S8 :	37.51	A4 :	0.26
H9 :		S9 :		A5 :	0.77
H10 :		S10 :		A6 :	1.92
H11 :	6.68			MDR :	5.94
H12 :	23.18			MBP :	14.49
H13 :	17.34				
H14 :	16				
H15 :	0				
H16 :	0				
H17 :	23.12				
H18 :	56.89				

### HPLC

Saturates %wt :  
Aromatics %wt :  
Residue %wt :

Asphaltenes (Micro Method) %wt :

### Saturates GC

Pristane/Pyhtane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :  
Kerogen :

STANDARD :

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK Core Extracts  
Country Of Origin : Norway  
Depth (m) : 3145.5  
Sample name :

### Inspection Properties

Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium :

### Biomarker Ratios

H1 :	0.5	S1 :	0.33	M2 :	1.6
H2 :	0.48	S2 :	0.3	M3 :	1.11
H3 :	0.83	S3 :	06:43:26	M4 :	54.99
H4 :	0	S4 :	30:37:32	M5 :	
H5 :	100:49:32:13:7:2	S5 :	32.47	A1 :	0.2
H6 :	0.45	S6 :		A2 :	0.21
H7 :	0.58	S7 :	53.43	A3 :	0.6
H8 :		S8 :	17.65	A4 :	0.22
H9 :		S9 :		A5 :	0.7
H10 :		S10 :		A6 :	1.91
H11 :	4.64			MDR :	5.95
H12 :	14.46			MBP :	14
H13 :	25.1				
H14 :	24.03				
H15 :	0				
H16 :	0				
H17 :	22.64				
H18 :	46.86				

### HPLC

Saturates %wt :  
Aromatics %wt :  
Residue %wt :

Asphaltenes (Micro Method) %wt :

### Saturates GC

Pristane/Pyhtane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :  
Kerogen :

STANDARD :

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK Core Extracts  
Country Of Origin : Norway  
Depth (m) : 4118.0  
Sample name :

### Inspection Properties

Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium :

### Biomarker Ratios

H1 :	0.63	S1 :	0.75	M2 :	1.16
H2 :	0.54	S2 :	0.56	M3 :	0.39
H3 :	0.88	S3 :	17:37:21	M4 :	57.41
H4 :	0	S4 :	42:27:29	M5 :	
H5 :	100:62:31:14:5:3	S5 :	33.92	A1 :	
H6 :	0.48	S6 :		A2 :	
H7 :	0.54	S7 :	65.97	A3 :	
H8 :		S8 :	0	A4 :	
H9 :		S9 :		A5 :	
H10 :		S10 :		A6 :	
H11 :	25.21			MDR :	3.07
H12 :	21.17			MBP :	15.91
H13 :	25.02				
H14 :	5.07				
H15 :	0				
H16 :	0				
H17 :	34.49				
H18 :	34.71				

### HPLC

Saturates %wt :  
Aromatics %wt :  
Residue %wt :

Asphaltenes (Micro Method) %wt :

### Saturates GC

Pristane/Pyhtane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :  
Kerogen :

STANDARD :

## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK Core Extracts  
Country Of Origin : Norway  
Depth (m) : 4119.0  
Sample name :

### HPLC

Saturates %wt :  
Aromatics %wt :  
Residue %wt :  
Asphaltenes (Micro Method) %wt : —

### Inspection Properties

Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium :

### Saturates GC

Pristane/Pyhtane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

### Biomarker Ratios

H1 :	0.57	S1 :	0.58	M2 :	0.8
H2 :	0.44	S2 :	0.62	M3 :	0.34
H3 :	0.88	S3 :	15:29:30	M4 :	60.54
H4 :	0	S4 :	41:29:28	M5 :	
H5 :	100:84:37:17:9:5	S5 :	47.03	A1 :	
H6 :	0.46	S6 :		A2 :	
H7 :	0.56	S7 :	55.84	A3 :	
H8 :		S8 :	0	A4 :	
H9 :		S9 :		A5 :	
H10 :		S10 :		A6 :	
H11 :	49.89			MDR :	2.37
H12 :	32.14			MBP :	30.59
H13 :	26.95				
H14 :	6.13				
H15 :	0				
H16 :	0				
H17 :	39.26				
H18 :	25.4				

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :  
Kerogen :

STANDARD :



## Oil Analysis

Well name : 6707/10-1  
Suite name : NYK Core Extracts  
Country Of Origin : Norway  
Depth (m) : 4120.0  
Sample name :

### Inspection Properties

Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium :

### Biomarker Ratios

H1 :	0.57	S1 :	0.54	M2 :	0.93
H2 :	0.49	S2 :	0.44	M3 :	0.51
H3 :	0.88	S3 :	14:20:41	M4 :	59.55
H4 :	0	S4 :	37:32:29	M5 :	
H5 :	100:93:35:14:8	S5 :	48.58	A1 :	
H6 :	0.39	S6 :		A2 :	
H7 :	0.66	S7 :	48.52	A3 :	
H8 :		S8 :	0	A4 :	
H9 :		S9 :		A5 :	
H10 :		S10 :		A6 :	
H11 :	27.42			MDR :	2.73
H12 :	19.51			MBP :	30.22
H13 :	22.77				
H14 :	5.87				
H15 :	0				
H16 :	0				
H17 :					
H18 :	15.92				

### HPLC

Saturates %wt :  
Aromatics %wt :  
Residue %wt :  
Asphaltenes (Micro Method) %wt :

### Saturates GC

Pristane/Pyhtane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

### Light Hydrocarbons

MCH % :  
HER :  
HXR :

### Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :  
Kerogen :

STANDARD :

# Oil Analysis

Well name : 6707/10-1  
Suite name : NYK 6707/10-1 Core Chips  
Country Of Origin : Norway  
Depth (m) : 4128  
Sample name :  
Test Number :  
G number : G

## Inspection Properties

API :  
Density @ 15 deg C :  
Wax Content %wt :  
Wax Melting Point deg C :  
Pour Point deg C :  
Viscosity cSt @ 20 deg C :  
Total Acidity mg KOH/g :  
Asphaltenes %wt (IP Method) :  
Nitrogen ppm :  
Sulphur %wt :  
Nickel ppm :  
Vanadium ppm :  
Nickel/Vanadium :

## Biomarker Ratios

H1 : 0.55	S1 : 0.49	M2 : 0.86
H2 : 0.46	S2 : 0.49	M3 : 0.53
H3 : 0.87	S3 : 33:28:38	M4 : 0.00
H4 : 0	S4 : 36:28:35	M5 :
H5 : 100:83:40:17:0:0	S5 : 40.26	A1 : 0.00
H6 : 0.47	S6 :	A2 : 0.00
H7 : 0.56	S7 : 46.52	A3 : 0.00
H8 :	S8 : 0.00	A4 : 0.00
H9 :	S9 :	A5 : 0.00
H10 :	S10 :	A6 : 0.00
H11 : 15.92		MDR : 3.62
H12 : 14.69		MBP : 30.75
H13 : 34.63		
H14 : 4.77		
H15 : 0.00		
H16 : 0.00		
H17 : 0.00		
H18 : 17.58		

## HPLC

Saturates %wt : 1.64  
Aromatics %wt : 0.65  
Residues %wt : 97.71

Asphaltenes (Micro Method) %wt :

## Saturates GC

Pristane/Phytane :  
Pristane/nC17 :  
Phytane/nC18 :  
CPI :  
ALKIND :  
R22 :

## Light Hydrocarbons

MCH % :  
HER :  
HXR :

## Stable Carbon Isotopes

Saturates :  
Total Oil :  
Aromatics :  
Residue :  
Asphaltenes :

STANDARD:

# IATROSCAN DATA

SA 517-1914-1

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
2275.00	cut	bulk	0.00	0.00	0.62	0.03	0.00	0.65	0.65	0049-0B
2320.00	cut	bulk	0.00	0.00	0.35	0.05	0.00	0.40	0.40	0050-0B
2340.00	cut	bulk	0.00	0.00	0.27	0.04	0.00	0.30	0.30	0051-0B
2375.00	cut	bulk	0.00	0.00	0.40	0.02	0.00	0.41	0.41	0052-0B
2393.00	cut	bulk	0.00	0.00	0.16	0.01	0.00	0.17	0.17	0053-0B
2410.00	cut	bulk	0.00	0.00	0.37	0.01	0.00	0.38	0.38	0054-0B
2432.00	cut	bulk	0.00	0.00	0.42	0.01	0.00	0.44	0.44	0055-0B
2776.35	cut	bulk	0.14	0.09	0.32	0.03	0.23	0.35	0.58	0075-0B
2977.00	cut	bulk	0.29	0.14	1.23	0.26	0.43	1.49	1.92	0076-0B
2978.00	cut	bulk	0.25	0.11	0.72	0.02	0.37	0.73	1.10	0077-0B
2979.05	cut	bulk	0.52	0.26	0.93	0.06	0.77	0.99	1.76	0078-0B
2980.00	cut	bulk	0.42	0.26	0.99	0.03	0.68	1.03	1.71	0079-0B
2981.00	cut	bulk	0.47	0.26	1.29	0.06	0.73	1.35	2.08	0080-0B
2982.70	cut	bulk	0.19	0.08	0.50	0.01	0.27	0.51	0.78	0081-0B
2984.64	cut	bulk	0.11	0.12	0.66	0.03	0.23	0.69	0.92	0082-0B
2986.48	cut	bulk	0.04	0.05	0.85	0.02	0.10	0.87	0.96	0083-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
2987.00	cut	bulk	0.05	0.02	0.75	0.22	0.07	0.97	1.04	0084-0B
2988.00	cut	bulk	0.08	0.04	0.48	0.16	0.12	0.65	0.77	0085-0B
2989.00	cut	bulk	0.06	0.03	0.70	0.09	0.10	0.79	0.89	0086-0B
2990.00	cut	bulk	0.07	0.05	0.40	0.07	0.12	0.47	0.59	0087-0B
2991.00	cut	bulk	0.09	0.03	2.41	0.03	0.12	2.45	2.57	0088-0B
2992.00	cut	bulk	0.09	0.08	0.41	0.18	0.18	0.60	0.77	0089-0B
2992.90	cut	bulk	0.05	0.03	0.95	0.01	0.08	0.97	1.04	0090-0B
2994.00	cut	bulk	0.05	0.02	0.43	0.01	0.07	0.44	0.51	0091-0B
2995.00	cut	bulk	0.12	0.06	0.52	0.24	0.18	0.76	0.94	0092-0B
2995.90	cut	bulk	0.02	0.03	0.09	1.07	0.05	1.16	1.22	0093-0B
2997.00	cut	bulk	0.04	0.02	0.75	0.20	0.05	0.94	1.00	0094-0B
2998.00	cut	bulk	0.02	0.06	0.64	2.96	0.08	3.60	3.68	0095-0B
2999.00	cut	bulk	0.03	0.03	0.60	0.03	0.05	0.63	0.68	0096-0B
3000.00	cut	bulk	0.03	0.03	0.13	0.01	0.06	0.14	0.21	0097-0B
3001.00	cut	bulk	0.04	0.04	1.03	0.01	0.07	1.04	1.12	0098-0B
3002.00	cut	bulk	0.05	0.02	0.22	0.02	0.07	0.23	0.31	0099-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
3004.00	cut	bulk	0.16	0.10	0.70	0.10	0.27	0.79	1.06	0100-0B
3005.00	cut	bulk	0.18	0.14	0.76	0.04	0.33	0.80	1.13	0101-0B
3006.00	cut	bulk	0.06	0.02	0.92	0.20	0.08	1.13	1.21	0102-0B
3007.00	cut	bulk	0.11	0.05	0.52	0.01	0.16	0.54	0.70	0103-0B
3008.00	cut	bulk	0.03	0.05	1.40	0.10	0.08	1.51	1.59	0104-0B
3009.00	cut	bulk	0.42	0.47	1.68	0.16	0.90	1.84	2.74	0105-0B
3010.30	cut	bulk	0.29	0.09	1.28	0.37	0.38	1.66	2.03	0106-0B
3011.00	cut	bulk	0.42	0.29	1.00	0.08	0.71	1.08	1.79	0107-0B
3013.00	cut	bulk	0.08	0.07	1.11	0.04	0.14	1.15	1.29	0108-0B
3014.00	cut	bulk	0.30	0.35	2.38	0.14	0.65	2.52	3.17	0109-0B
3014.50	cut	bulk	0.05	0.06	0.48	0.01	0.11	0.49	0.60	0110-0B
3015.00	cut	bulk	0.05	0.04	0.93	0.01	0.09	0.94	1.03	0111-0B
3015.55	cut	bulk	0.51	0.31	0.64	0.40	0.82	1.04	1.87	0112-0B
3016.00	cut	bulk	0.17	0.10	0.56	0.02	0.27	0.58	0.84	0113-0B
3016.90	cut	bulk	1.21	0.72	0.94	0.01	1.94	0.95	2.89	0114-0B
3017.06	cut	bulk	0.54	0.31	1.12	0.01	0.86	1.13	1.99	0115-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
3017.98	cut	bulk	0.30	0.16	0.80	0.01	0.46	0.81	1.27	0116-0B
3022.75	cut	bulk	0.01	0.01	0.15	1.32	0.02	1.47	1.49	0117-0B
3023.76	cut	bulk	0.05	0.02	0.27	0.02	0.07	0.29	0.36	0118-0B
3024.19	cut	bulk	0.10	0.05	1.18	0.09	0.15	1.27	1.42	0119-0B
3025.53	cut	bulk	0.02	0.02	0.45	0.01	0.04	0.46	0.50	0120-0B
3026.00	cut	bulk	0.01	0.04	0.40	0.02	0.05	0.41	0.46	0121-0B
3030.23	cut	bulk	0.01	0.02	0.64	0.01	0.03	0.65	0.68	0122-0B
3031.00	cut	bulk	0.02	0.01	0.73	0.18	0.03	0.91	0.94	0123-0B
3031.85	cut	bulk	0.03	0.02	0.55	8.13	0.05	8.68	8.73	0124-0B
3032.57	cut	bulk	0.04	0.03	0.64	0.11	0.06	0.74	0.80	0125-0B
3033.00	cut	bulk	0.01	0.01	0.53	0.05	0.01	0.59	0.60	0126-0B
3034.00	cut	bulk	0.01	0.01	1.03	0.06	0.03	1.09	1.11	0127-0B
3035.70	cut	bulk	0.04	0.03	0.49	0.07	0.07	0.55	0.63	0128-0B
3036.30	cut	bulk	0.01	0.01	2.77	0.09	0.03	2.85	2.88	0129-0B
3037.05	cut	bulk	0.01	0.00	0.62	0.09	0.01	0.71	0.73	0130-0B
3038.13	cut	bulk	0.01	0.02	0.30	0.02	0.03	0.32	0.35	0131-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
3038.85	cut	bulk	0.01	0.00	0.19	0.01	0.01	0.20	0.21	0132-0B
3040.00	cut	bulk	0.02	0.01	1.13	3.18	0.03	4.31	4.34	0133-0B
3041.00	cut	bulk	0.01	0.01	0.61	0.01	0.02	0.62	0.64	0134-0B
3042.00	cut	bulk	0.02	0.01	1.12	0.02	0.03	1.14	1.17	0135-0B
3042.09	cut	bulk	0.02	0.02	0.43	0.01	0.03	0.44	0.48	0136-0B
3042.93	cut	bulk	0.03	0.02	0.52	0.34	0.05	0.86	0.91	0137-0B
3044.15	cut	bulk	0.02	0.01	0.40	1.63	0.02	2.02	2.04	0138-0B
3045.00	cut	bulk	0.02	0.03	1.58	0.17	0.05	1.75	1.80	0139-0B
3046.16	cut	bulk	0.06	0.03	0.44	5.83	0.09	6.28	6.37	0140-0B
3047.50	cut	bulk	1.22	0.51	0.09	0.17	1.73	0.25	1.98	0141-0B
3049.75	cut	bulk	0.12	0.08	0.56	0.07	0.19	0.62	0.82	0142-0B
3050.18	cut	bulk	0.02	0.01	0.41	0.14	0.03	0.54	0.57	0143-0B
3050.97	cut	bulk	0.03	0.04	0.22	0.02	0.07	0.24	0.31	0144-0B
3052.00	cut	bulk	0.04	0.02	0.50	0.26	0.06	0.76	0.82	0145-0B
3052.83	cut	bulk	0.06	0.02	0.42	0.04	0.09	0.46	0.54	0146-0B
3054.00	cut	bulk	0.04	0.03	0.22	0.23	0.07	0.45	0.52	0147-0B



Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
3054.40	cut	bulk	0.06	0.02	1.93	0.36	0.07	2.29	2.36	0148-0B
3055.82	cut	bulk	0.01	0.01	0.07	0.05	0.02	0.12	0.14	0149-0B
3056.97	cut	bulk	0.05	0.02	0.21	0.22	0.08	0.44	0.51	0150-0B
3058.00	cut	bulk	0.03	0.03	0.56	0.20	0.06	0.76	0.82	0151-0B
3058.40	cut	bulk	0.03	0.03	0.62	0.09	0.06	0.71	0.77	0152-0B
3059.54	cut	bulk	0.03	0.04	0.08	0.29	0.07	0.37	0.44	0153-0B
3060.28	cut	bulk	0.06	0.04	0.11	0.08	0.10	0.19	0.28	0154-0B
3061.00	cut	bulk	0.06	0.02	0.52	0.23	0.07	0.76	0.83	0155-0B
3062.00	cut	bulk	0.07	0.02	0.81	0.03	0.09	0.85	0.94	0156-0B
3062.65	cut	bulk	0.03	0.02	0.75	0.07	0.05	0.82	0.87	0157-0B
3063.66	cut	bulk	0.03	0.01	0.80	1.68	0.04	2.48	2.52	0158-0B
3064.30	cut	bulk	0.03	0.02	0.96	0.06	0.05	1.03	1.08	0159-0B
3065.43	cut	bulk	0.04	0.01	0.50	0.00	0.05	0.50	0.55	0160-0B
3067.00	cut	bulk	0.06	0.04	0.32	0.06	0.10	0.38	0.47	0161-0B
3068.00	cut	bulk	0.03	0.02	0.51	0.03	0.05	0.54	0.59	0162-0B
3069.00	cut	bulk	0.02	0.02	0.85	0.07	0.04	0.91	0.95	0163-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>NSO</u>	<u>Asp</u>	<u>HC</u>	<u>Non-HC</u>	<u>Tot EOM</u>	<u>Sample</u>
3070.00	cut	bulk	0.03	0.02	0.20	0.02	0.05	0.22	0.27	0164-0B
3071.00	cut	bulk	0.09	0.07	0.83	0.24	0.16	1.07	1.23	0165-0B
3073.00	cut	bulk	0.02	0.01	0.25	0.02	0.03	0.27	0.30	0166-0B
3073.30	cut	bulk	0.04	0.05	0.14	0.01	0.09	0.15	0.24	0167-0B
3074.40	cut	bulk	0.02	0.06	0.32	0.04	0.09	0.36	0.45	0168-0B
3075.50	cut	bulk	0.02	0.01	0.31	0.03	0.03	0.34	0.37	0169-0B
3076.00	cut	bulk	0.01	0.04	0.25	0.03	0.05	0.28	0.33	0170-0B
3077.00	cut	bulk	0.03	0.02	0.74	0.19	0.05	0.93	0.98	0171-0B
3077.60	cut	bulk	0.02	0.02	0.53	0.08	0.04	0.61	0.65	0172-0B
3078.60	cut	bulk	0.04	0.02	0.47	0.15	0.06	0.63	0.68	0173-0B
3079.58	cut	bulk	0.02	0.01	0.94	0.39	0.03	1.32	1.35	0174-0B
3080.00	cut	bulk	0.03	0.02	0.86	0.49	0.05	1.34	1.39	0175-0B
3082.00	cut	bulk	0.03	0.01	0.59	0.05	0.04	0.64	0.68	0176-0B
3083.00	cut	bulk	0.02	0.01	0.84	0.14	0.03	0.98	1.01	0177-0B
3083.50	cut	bulk	0.01	0.00	1.13	0.01	0.02	1.14	1.15	0178-0B
3085.00	cut	bulk	0.00	0.01	0.54	0.06	0.01	0.60	0.61	0179-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
3086.00	cut	bulk	0.01	0.01	0.55	0.08	0.02	0.62	0.64	0180-0B
3087.00	cut	bulk	0.01	0.01	0.67	0.17	0.02	0.84	0.85	0181-0B
3088.00	cut	bulk	0.02	0.01	0.82	0.20	0.03	1.02	1.05	0182-0B
3089.00	cut	bulk	0.02	0.01	0.32	0.13	0.03	0.45	0.48	0183-0B
3090.00	cut	bulk	0.08	0.03	0.49	0.02	0.11	0.51	0.62	0184-0B
3091.00	cut	bulk	0.09	0.04	0.84	0.01	0.13	0.85	0.98	0185-0B
3092.00	cut	bulk	0.02	0.01	0.74	0.01	0.03	0.75	0.78	0186-0B
3093.00	cut	bulk	0.03	0.11	0.78	0.08	0.14	0.86	1.01	0187-0B
3094.00	cut	bulk	0.02	0.01	0.70	0.03	0.03	0.73	0.76	0188-0B
3094.30	cut	bulk	0.00	0.01	1.25	0.64	0.01	1.89	1.90	0189-0B
3095.00	cut	bulk	0.02	0.02	1.19	0.05	0.03	1.24	1.27	0190-0B
3096.00	cut	bulk	0.01	0.01	1.44	0.04	0.02	1.47	1.50	0191-0B
3097.00	cut	bulk	0.02	0.02	1.01	0.03	0.04	1.04	1.08	0192-0B
3098.00	cut	bulk	0.03	0.07	0.60	0.05	0.10	0.65	0.75	0193-0B
3099.00	cut	bulk	0.02	0.02	0.43	0.10	0.04	0.53	0.58	0194-0B
3100.00	cut	bulk	0.02	0.01	0.44	0.13	0.03	0.56	0.60	0195-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
3101.00	cut	bulk	0.01	0.01	1.25	0.01	0.02	1.27	1.29	0196-0B
3102.00	cut	bulk	0.01	0.00	0.25	0.01	0.01	0.27	0.28	0197-0B
3103.00	cut	bulk	0.02	0.02	0.41	0.06	0.04	0.47	0.51	0198-0B
3103.30	cut	bulk	0.04	0.03	0.74	2.90	0.07	3.64	3.72	0199-0B
3105.00	cut	bulk	0.01	0.02	0.22	0.10	0.03	0.32	0.35	0200-0B
3106.00	cut	bulk	0.01	0.01	0.59	0.01	0.02	0.60	0.61	0201-0B
3107.22	cut	bulk	0.01	0.00	0.50	0.10	0.01	0.60	0.62	0202-0B
3107.70	cut	bulk	0.02	0.01	0.31	0.01	0.02	0.32	0.34	0203-0B
3108.00	cut	bulk	0.01	0.01	0.26	0.03	0.02	0.29	0.31	0204-0B
3109.10	cut	bulk	0.07	0.02	0.54	0.05	0.09	0.59	0.68	0205-0B
3110.00	cut	bulk	0.02	0.01	0.43	0.06	0.02	0.49	0.51	0206-0B
3111.00	cut	bulk	0.01	0.01	0.51	0.16	0.02	0.67	0.70	0207-0B
3112.00	cut	bulk	0.02	0.01	0.16	0.06	0.03	0.22	0.24	0208-0B
3113.00	cut	bulk	0.01	0.01	0.22	0.04	0.02	0.26	0.28	0209-0B
3114.00	cut	bulk	0.02	0.02	0.59	0.07	0.03	0.66	0.69	0210-0B
3115.00	cut	bulk	0.01	0.01	0.11	0.04	0.03	0.14	0.17	0211-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
3116.00	cut	bulk	0.02	0.04	0.56	0.04	0.06	0.59	0.65	0212-0B
3116.44	cut	bulk	0.03	0.01	0.29	0.28	0.04	0.57	0.61	0213-0B
3117.00	cut	bulk	0.01	0.01	0.28	0.18	0.01	0.46	0.47	0214-0B
3118.00	cut	bulk	0.01	0.00	0.18	0.06	0.01	0.25	0.26	0215-0B
3119.00	cut	bulk	0.01	0.01	0.44	0.01	0.02	0.45	0.47	0216-0B
3120.00	cut	bulk	0.02	0.01	0.69	1.65	0.02	2.34	2.37	0217-0B
3121.00	cut	bulk	0.02	0.01	0.50	0.03	0.03	0.53	0.55	0218-0B
3122.00	cut	bulk	0.03	0.01	0.29	0.04	0.03	0.33	0.36	0219-0B
3123.00	cut	bulk	0.04	0.01	0.42	0.04	0.05	0.46	0.51	0220-0B
3124.00	cut	bulk	0.05	0.03	0.11	0.01	0.07	0.12	0.19	0221-0B
3125.00	cut	bulk	0.01	0.01	0.09	0.02	0.02	0.11	0.13	0222-0B
3126.00	cut	bulk	0.02	0.01	0.31	0.01	0.03	0.32	0.35	0223-0B
3127.00	cut	bulk	0.02	0.02	0.13	0.02	0.03	0.15	0.18	0224-0B
3128.00	cut	bulk	0.01	0.01	1.88	0.03	0.02	1.91	1.93	0225-0B
3129.00	cut	bulk	0.06	0.02	0.35	0.18	0.07	0.53	0.60	0226-0B
3130.00	cut	bulk	0.02	0.01	0.14	0.18	0.03	0.32	0.35	0227-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
3131.00	cut	bulk	0.08	0.05	0.48	0.07	0.13	0.54	0.67	0228-0B
3132.00	cut	bulk	0.01	0.09	0.19	0.14	0.10	0.32	0.42	0229-0B
3133.00	cut	bulk	0.05	0.01	0.48	0.14	0.06	0.63	0.69	0230-0B
3134.00	cut	bulk	0.00	0.00	0.43	0.06	0.01	0.49	0.49	0231-0B
3135.00	cut	bulk	0.02	0.03	0.68	0.07	0.04	0.75	0.79	0232-0B
3135.59	cut	bulk	0.01	0.01	0.14	0.17	0.01	0.31	0.32	0233-0B
3137.00	cut	bulk	0.01	0.01	0.33	0.07	0.01	0.40	0.41	0234-0B
3137.50	cut	bulk	0.01	0.01	0.52	0.02	0.02	0.54	0.56	0235-0B
3138.00	cut	bulk	0.01	0.01	0.01	0.31	0.02	0.32	0.34	0236-0B
3138.55	cut	bulk	0.01	0.00	0.12	0.05	0.01	0.17	0.18	0237-0B
3140.00	cut	bulk	0.02	0.03	0.03	0.35	0.05	0.37	0.42	0238-0B
3140.25	cut	bulk	0.02	0.01	0.44	0.00	0.03	0.44	0.47	0239-0B
3141.00	cut	bulk	0.06	0.03	0.41	0.01	0.09	0.42	0.51	0240-0B
3142.00	cut	bulk	0.09	0.05	0.67	0.03	0.14	0.70	0.84	0241-0B
3142.68	cut	bulk	0.03	0.02	0.21	0.13	0.05	0.34	0.39	0242-0B
3143.00	cut	bulk	0.01	0.01	0.34	0.05	0.02	0.40	0.42	0243-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
3144.00	cut	bulk	0.01	0.01	1.16	0.07	0.02	1.23	1.25	0244-0B
3144.37	cut	bulk	0.01	0.01	0.39	0.01	0.02	0.41	0.42	0245-0B
3144.72	cut	bulk	0.02	0.03	1.13	0.05	0.05	1.18	1.22	0246-0B
3145.00	cut	bulk	0.02	0.02	1.24	0.07	0.04	1.32	1.35	0247-0B
3146.00	cut	bulk	0.01	0.01	1.39	0.03	0.02	1.42	1.44	0248-0B
3146.60	cut	bulk	0.01	0.01	0.76	0.08	0.02	0.84	0.86	0249-0B
3945.00	ccp	bulk	0.06	0.36	4.99	0.66	0.42	5.65	6.07	0074-0B
3956.00	ccp	bulk	0.03	0.02	1.65	0.21	0.05	1.86	1.91	0073-0B
3977.50	ccp	bulk	0.03	0.04	4.15	0.24	0.07	4.39	4.46	0072-0B
3981.50	ccp	bulk	0.04	0.04	1.08	0.04	0.09	1.12	1.21	0071-0B
3998.50	ccp	bulk	0.04	0.13	4.88	0.68	0.18	5.56	5.73	0070-0B
4002.50	ccp	bulk	0.03	0.06	1.35	0.03	0.09	1.38	1.47	0069-0B
4003.00	ccp	bulk	0.07	0.05	4.00	0.04	0.12	4.04	4.16	0068-0B
4010.00	ccp	bulk	0.07	0.06	1.93	0.03	0.13	1.96	2.09	0067-0B
4027.00	ccp	bulk	0.05	0.03	1.32	0.03	0.07	1.35	1.43	0066-0B
4036.00	ccp	bulk	0.09	0.06	3.41	0.07	0.15	3.48	3.63	0065-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
4048.00	ccp	bulk	0.11	0.03	4.68	0.09	0.14	4.76	4.90	0064-0B
4110.00	ccp	bulk	0.05	0.03	2.11	0.04	0.08	2.15	2.23	0063-0B
4111.50	ccp	bulk	0.03	0.03	2.09	0.06	0.06	2.15	2.22	0062-0B
4118.00	cut	bulk	0.01	0.00	0.36	0.01	0.01	0.37	0.39	0250-0B
4118.50	cut	bulk	0.01	0.00	0.57	0.02	0.01	0.59	0.60	0251-0B
4119.00	cut	bulk	0.04	0.04	0.47	0.03	0.07	0.49	0.57	0252-0B
4120.32	cut	bulk	0.02	0.01	0.15	0.13	0.03	0.28	0.30	0253-0B
4121.00	cut	bulk	0.02	0.02	0.01	0.10	0.04	0.11	0.15	0254-0B
4122.00	cut	bulk	0.01	0.01	0.35	0.03	0.02	0.38	0.40	0255-0B
4122.90	cut	bulk	0.01	0.00	0.35	0.01	0.01	0.36	0.38	0256-0B
4123.00	cut	bulk	0.01	0.01	0.39	0.06	0.02	0.45	0.47	0257-0B
4124.00	cut	bulk	0.02	0.01	0.22	0.05	0.03	0.27	0.31	0258-0B
4125.00	cut	bulk	0.01	0.01	0.19	0.04	0.02	0.24	0.26	0259-0B
4126.68	cut	bulk	0.01	0.02	0.10	0.02	0.02	0.12	0.14	0260-0B
4127.00	cut	bulk	0.01	0.01	0.17	0.02	0.02	0.20	0.22	0261-0B
4128.00	cut	bulk	0.05	0.01	0.27	0.83	0.06	1.11	1.17	0262-0B



Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
4129.00	cut	bulk	0.01	0.01	0.13	0.06	0.02	0.18	0.20	0263-0B
4129.70	cut	bulk	0.02	0.01	0.07	0.92	0.03	0.99	1.02	0264-0B
4130.00	cut	bulk	0.01	0.02	0.20	0.02	0.02	0.22	0.24	0265-0B
4131.00	cut	bulk	0.01	0.01	0.23	0.02	0.02	0.25	0.27	0266-0B
4131.65	cut	bulk	0.01	0.02	0.07	0.05	0.02	0.12	0.14	0267-0B
4133.00	cut	bulk	0.03	0.04	0.28	0.02	0.07	0.30	0.37	0268-0B
4134.00	cut	bulk	0.01	0.01	0.40	0.04	0.02	0.44	0.46	0269-0B
4135.00	cut	bulk	0.01	0.00	0.23	0.15	0.02	0.38	0.40	0270-0B
4135.54	cut	bulk	0.01	0.00	0.17	0.01	0.01	0.18	0.19	0271-0B
4136.00	cut	bulk	0.02	0.02	0.12	0.22	0.04	0.34	0.38	0272-0B
4137.00	cut	bulk	0.01	0.00	0.09	0.07	0.01	0.16	0.17	0273-0B
4182.00	ccp	bulk	0.03	0.01	3.04	0.05	0.05	3.09	3.13	0061-0B
4185.00	ccp	bulk	0.06	0.02	2.05	0.08	0.09	2.13	2.21	0060-0B
4190.00	ccp	bulk	0.05	0.02	2.92	0.07	0.07	2.99	3.06	0059-0B
4226.00	ccp	bulk	0.06	0.04	3.17	0.08	0.10	3.25	3.35	0058-0B
4234.00	ccp	bulk	0.05	0.03	1.93	0.05	0.07	1.97	2.05	0057-0B

Table 6A: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6707/10-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Tot EOM	Sample
4452.50	ccp	bulk	0.04	0.02	1.86	0.26	0.06	2.12	2.18	0056-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Sample
2275.00	cut	bulk	-	-	95.37	4.63	-	100.00	0049-0B
2320.00	cut	bulk	-	-	87.46	12.54	-	100.00	0050-0B
2340.00	cut	bulk	-	-	88.39	11.61	-	100.00	0051-0B
2375.00	cut	bulk	-	-	96.19	3.81	-	100.00	0052-0B
2393.00	cut	bulk	-	-	93.23	6.77	-	100.00	0053-0B
2410.00	cut	bulk	-	-	96.83	3.17	-	100.00	0054-0B
2432.00	cut	bulk	-	-	96.61	3.39	-	100.00	0055-0B
2776.35	cut	bulk	24.58	14.97	55.37	5.08	39.55	60.45	0075-0B
2977.00	cut	bulk	15.03	7.46	63.92	13.59	22.49	77.51	0076-0B
2978.00	cut	bulk	23.07	10.40	64.91	1.62	33.46	66.54	0077-0B
2979.05	cut	bulk	29.36	14.51	52.79	3.34	43.87	56.13	0078-0B
2980.00	cut	bulk	24.78	15.03	58.28	1.90	39.81	60.19	0079-0B
2981.00	cut	bulk	22.59	12.58	62.14	2.69	35.17	64.83	0080-0B
2982.70	cut	bulk	24.24	10.50	63.83	1.43	34.74	65.26	0081-0B
2984.64	cut	bulk	12.00	12.96	71.36	3.68	24.96	75.04	0082-0B
2986.48	cut	bulk	4.59	5.33	88.19	1.89	9.93	90.07	0083-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

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Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>NSO</u>	<u>Asp</u>	<u>HC</u>	<u>Non-HC</u>	<u>Sample</u>
2987.00	cut	bulk	4.63	1.92	72.05	21.40	6.55	93.45	0084-0B
2988.00	cut	bulk	10.01	5.41	63.13	21.45	15.42	84.58	0085-0B
2989.00	cut	bulk	7.17	3.62	78.79	10.42	10.79	89.21	0086-0B
2990.00	cut	bulk	12.28	8.33	67.98	11.40	20.61	79.39	0087-0B
2991.00	cut	bulk	3.48	1.06	94.10	1.36	4.54	95.46	0088-0B
2992.00	cut	bulk	11.67	10.95	53.57	23.81	22.62	77.38	0089-0B
2992.90	cut	bulk	4.45	2.97	91.22	1.36	7.42	92.58	0090-0B
2994.00	cut	bulk	9.40	3.66	84.07	2.87	13.05	86.95	0091-0B
2995.00	cut	bulk	12.97	6.44	55.40	25.19	19.41	80.59	0092-0B
2995.90	cut	bulk	2.04	2.45	7.52	87.98	4.50	95.50	0093-0B
2997.00	cut	bulk	3.72	1.76	74.83	19.69	5.48	94.52	0094-0B
2998.00	cut	bulk	0.53	1.57	17.35	80.55	2.11	97.89	0095-0B
2999.00	cut	bulk	3.71	3.99	87.87	4.42	7.70	92.30	0096-0B
3000.00	cut	bulk	14.99	15.71	64.26	5.04	30.70	69.30	0097-0B
3001.00	cut	bulk	3.22	3.43	92.06	1.29	6.65	93.35	0098-0B
3002.00	cut	bulk	16.89	6.60	71.24	5.28	23.48	76.52	0099-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

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Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>NSO</u>	<u>Asp</u>	<u>HC</u>	<u>Non-HC</u>	<u>Sample</u>
3004.00	cut	bulk	15.55	9.61	65.86	8.98	25.16	74.84	0100-0B
3005.00	cut	bulk	16.38	12.61	67.88	3.13	28.99	71.01	0101-0B
3006.00	cut	bulk	4.78	1.78	76.64	16.79	6.57	93.43	0102-0B
3007.00	cut	bulk	15.32	7.58	75.16	1.94	22.90	77.10	0103-0B
3008.00	cut	bulk	1.86	3.43	88.30	6.40	5.30	94.70	0104-0B
3009.00	cut	bulk	15.43	17.30	61.60	5.68	32.73	67.27	0105-0B
3010.30	cut	bulk	14.18	4.37	63.10	18.35	18.54	81.46	0106-0B
3011.00	cut	bulk	23.62	16.05	56.02	4.31	39.67	60.33	0107-0B
3013.00	cut	bulk	5.91	5.08	85.98	3.04	10.98	89.02	0108-0B
3014.00	cut	bulk	9.38	11.02	75.08	4.52	20.40	79.60	0109-0B
3014.50	cut	bulk	8.25	10.16	80.03	1.56	18.40	81.60	0110-0B
3015.00	cut	bulk	5.27	3.88	89.88	0.97	9.15	90.85	0111-0B
3015.55	cut	bulk	27.50	16.52	34.33	21.65	44.02	55.98	0112-0B
3016.00	cut	bulk	19.66	11.74	66.23	2.36	31.40	68.60	0113-0B
3016.90	cut	bulk	41.99	25.09	32.50	0.42	67.08	32.92	0114-0B
3017.06	cut	bulk	27.39	15.79	56.14	0.68	43.17	56.83	0115-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Sample
3017.98	cut	bulk	23.83	12.40	62.60	1.17	36.23	63.77	0116-0B
3022.75	cut	bulk	0.73	0.79	10.25	88.23	1.51	98.49	0117-0B
3023.76	cut	bulk	12.90	6.45	76.43	4.22	19.35	80.65	0118-0B
3024.19	cut	bulk	7.25	3.32	82.85	6.57	10.57	89.43	0119-0B
3025.53	cut	bulk	4.10	3.97	89.02	2.91	8.07	91.93	0120-0B
3026.00	cut	bulk	1.45	9.01	85.76	3.78	10.47	89.53	0121-0B
3030.23	cut	bulk	1.17	2.61	94.60	1.62	3.78	96.22	0122-0B
3031.00	cut	bulk	2.25	1.39	76.98	19.38	3.64	96.36	0123-0B
3031.85	cut	bulk	0.36	0.19	6.29	93.16	0.55	99.45	0124-0B
3032.57	cut	bulk	4.39	3.36	79.07	13.18	7.75	92.25	0125-0B
3033.00	cut	bulk	1.13	1.14	88.56	9.17	2.27	97.73	0126-0B
3034.00	cut	bulk	1.14	1.23	92.38	5.26	2.37	97.63	0127-0B
3035.70	cut	bulk	6.44	5.32	77.87	10.36	11.76	88.24	0128-0B
3036.30	cut	bulk	0.49	0.49	95.97	3.06	0.97	99.03	0129-0B
3037.05	cut	bulk	1.37	0.55	85.79	12.29	1.92	98.08	0130-0B
3038.13	cut	bulk	3.06	6.69	85.24	5.01	9.75	90.25	0131-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Sample
3038.85	cut	bulk	4.46	1.88	87.05	6.61	6.34	93.66	0132-0B
3040.00	cut	bulk	0.46	0.24	26.11	73.20	0.70	99.30	0133-0B
3041.00	cut	bulk	1.82	1.25	95.67	1.25	3.08	96.92	0134-0B
3042.00	cut	bulk	1.69	0.60	96.02	1.69	2.29	97.71	0135-0B
3042.09	cut	bulk	3.28	3.88	90.00	2.84	7.16	92.84	0136-0B
3042.93	cut	bulk	3.41	2.52	56.44	37.63	5.93	94.07	0137-0B
3044.15	cut	bulk	0.78	0.27	19.38	79.56	1.06	98.94	0138-0B
3045.00	cut	bulk	1.01	1.72	88.03	9.24	2.73	97.27	0139-0B
3046.16	cut	bulk	1.01	0.43	6.99	91.58	1.44	98.56	0140-0B
3047.50	cut	bulk	61.57	25.59	4.44	8.40	87.16	12.84	0141-0B
3049.75	cut	bulk	14.29	9.52	68.15	8.04	23.81	76.19	0142-0B
3050.18	cut	bulk	3.57	1.41	71.19	23.83	4.98	95.02	0143-0B
3050.97	cut	bulk	10.27	12.33	69.86	7.53	22.60	77.40	0144-0B
3052.00	cut	bulk	4.88	2.85	60.98	31.30	7.72	92.28	0145-0B
3052.83	cut	bulk	11.13	4.54	77.53	6.80	15.67	84.33	0146-0B
3054.00	cut	bulk	7.63	5.01	42.27	45.10	12.64	87.36	0147-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

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Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>NSO</u>	<u>Asp</u>	<u>HC</u>	<u>Non-HC</u>	<u>Sample</u>
3054.40	cut	bulk	2.38	0.74	81.70	15.18	3.12	96.88	0148-0B
3055.82	cut	bulk	8.02	8.82	45.71	37.45	16.84	83.16	0149-0B
3056.97	cut	bulk	10.23	4.79	41.58	43.40	15.02	84.98	0150-0B
3058.00	cut	bulk	3.61	3.41	68.94	24.05	7.01	92.99	0151-0B
3058.40	cut	bulk	4.10	4.23	79.89	11.77	8.33	91.67	0152-0B
3059.54	cut	bulk	7.71	8.18	18.93	65.19	15.89	84.11	0153-0B
3060.28	cut	bulk	20.52	13.54	37.12	28.82	34.06	65.94	0154-0B
3061.00	cut	bulk	6.79	1.90	63.07	28.25	8.69	91.31	0155-0B
3062.00	cut	bulk	7.22	2.30	86.95	3.53	9.52	90.48	0156-0B
3062.65	cut	bulk	3.48	2.03	86.42	8.07	5.51	94.49	0157-0B
3063.66	cut	bulk	1.14	0.58	31.63	66.65	1.73	98.27	0158-0B
3064.30	cut	bulk	2.64	2.11	89.31	5.94	4.75	95.25	0159-0B
3065.43	cut	bulk	7.05	2.13	90.26	0.57	9.17	90.83	0160-0B
3067.00	cut	bulk	12.09	8.22	67.14	12.56	20.31	79.69	0161-0B
3068.00	cut	bulk	5.06	3.68	85.75	5.52	8.74	91.26	0162-0B
3069.00	cut	bulk	2.44	1.69	89.03	6.84	4.12	95.88	0163-0B



Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

Page: 7

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>NSO</u>	<u>Asp</u>	<u>HC</u>	<u>Non-HC</u>	<u>Sample</u>
3070.00	cut	bulk	10.61	8.16	74.29	6.94	18.78	81.22	0164-0B
3071.00	cut	bulk	7.39	5.34	67.56	19.71	12.73	87.27	0165-0B
3073.00	cut	bulk	5.32	3.36	83.47	7.84	8.68	91.32	0166-0B
3073.30	cut	bulk	17.56	20.98	58.29	3.17	38.54	61.46	0167-0B
3074.40	cut	bulk	5.28	14.14	70.87	9.71	19.42	80.58	0168-0B
3075.50	cut	bulk	4.67	3.46	83.22	8.65	8.13	91.87	0169-0B
3076.00	cut	bulk	3.68	11.71	74.25	10.37	15.38	84.62	0170-0B
3077.00	cut	bulk	3.11	1.90	75.16	19.84	5.01	94.99	0171-0B
3077.60	cut	bulk	3.10	2.56	81.65	12.69	5.67	94.33	0172-0B
3078.60	cut	bulk	5.31	3.24	69.03	22.42	8.55	91.45	0173-0B
3079.58	cut	bulk	1.50	0.75	69.10	28.65	2.25	97.75	0174-0B
3080.00	cut	bulk	1.81	1.52	61.66	35.01	3.33	96.67	0175-0B
3082.00	cut	bulk	3.96	1.85	87.47	6.73	5.80	94.20	0176-0B
3083.00	cut	bulk	2.18	1.15	83.04	13.63	3.33	96.67	0177-0B
3083.50	cut	bulk	0.90	0.41	97.50	1.19	1.30	98.70	0178-0B
3085.00	cut	bulk	0.33	1.14	88.50	10.04	1.46	98.54	0179-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

Page: 8

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Sample
3086.00	cut	bulk	1.59	1.20	85.14	12.07	2.80	97.20	0180-0B
3087.00	cut	bulk	1.18	0.61	78.02	20.19	1.79	98.21	0181-0B
3088.00	cut	bulk	2.08	0.73	78.30	18.90	2.80	97.20	0182-0B
3089.00	cut	bulk	4.19	2.75	65.75	27.31	6.94	93.06	0183-0B
3090.00	cut	bulk	12.59	5.23	78.98	3.21	17.81	82.19	0184-0B
3091.00	cut	bulk	9.12	4.05	86.02	0.81	13.17	86.83	0185-0B
3092.00	cut	bulk	2.69	1.22	94.23	1.86	3.91	96.09	0186-0B
3093.00	cut	bulk	3.28	10.99	77.50	8.23	14.27	85.73	0187-0B
3094.00	cut	bulk	2.81	1.64	92.16	3.39	4.44	95.56	0188-0B
3094.30	cut	bulk	0.20	0.45	65.88	33.46	0.66	99.34	0189-0B
3095.00	cut	bulk	1.38	1.25	93.73	3.63	2.63	97.37	0190-0B
3096.00	cut	bulk	0.73	0.81	96.05	2.42	1.54	98.46	0191-0B
3097.00	cut	bulk	1.79	1.66	93.73	2.81	3.45	96.55	0192-0B
3098.00	cut	bulk	3.99	9.45	80.37	6.20	13.43	86.57	0193-0B
3099.00	cut	bulk	3.50	3.61	75.27	17.62	7.11	92.89	0194-0B
3100.00	cut	bulk	3.17	2.44	73.39	21.01	5.60	94.40	0195-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

Page: 9

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Sample
3101.00	cut	bulk	0.58	0.99	97.45	0.99	1.57	98.43	0196-0B
3102.00	cut	bulk	2.48	1.19	91.79	4.54	3.67	96.33	0197-0B
3103.00	cut	bulk	3.81	4.81	79.44	11.94	8.62	91.38	0198-0B
3103.30	cut	bulk	1.21	0.74	19.94	78.11	1.95	98.05	0199-0B
3105.00	cut	bulk	3.21	4.89	64.20	27.70	8.10	91.90	0200-0B
3106.00	cut	bulk	1.30	1.52	95.55	1.63	2.82	97.18	0201-0B
3107.22	cut	bulk	1.72	0.68	81.38	16.22	2.40	97.60	0202-0B
3107.70	cut	bulk	4.66	1.63	90.30	3.40	6.29	93.71	0203-0B
3108.00	cut	bulk	4.62	2.00	84.13	9.25	6.62	93.38	0204-0B
3109.10	cut	bulk	10.45	3.45	79.33	6.76	13.91	86.09	0205-0B
3110.00	cut	bulk	2.97	1.73	83.61	11.69	4.70	95.30	0206-0B
3111.00	cut	bulk	2.12	1.12	73.41	23.35	3.24	96.76	0207-0B
3112.00	cut	bulk	7.87	3.79	65.01	23.32	11.66	88.34	0208-0B
3113.00	cut	bulk	4.06	3.19	79.13	13.62	7.25	92.75	0209-0B
3114.00	cut	bulk	2.24	2.34	85.62	9.80	4.58	95.42	0210-0B
3115.00	cut	bulk	8.57	7.30	62.86	21.27	15.87	84.13	0211-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

Page: 10

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Sample
3116.00	cut	bulk	3.51	5.76	85.25	5.48	9.27	90.73	0212-0B
3116.44	cut	bulk	5.12	1.36	47.45	46.07	6.48	93.52	0213-0B
3117.00	cut	bulk	1.49	1.32	59.76	37.43	2.81	97.19	0214-0B
3118.00	cut	bulk	3.79	0.95	70.50	24.76	4.74	95.26	0215-0B
3119.00	cut	bulk	2.59	1.09	93.28	3.04	3.67	96.33	0216-0B
3120.00	cut	bulk	0.67	0.33	29.25	69.75	1.00	99.00	0217-0B
3121.00	cut	bulk	3.36	1.55	90.04	5.05	4.92	95.08	0218-0B
3122.00	cut	bulk	7.04	2.46	79.93	10.56	9.51	90.49	0219-0B
3123.00	cut	bulk	7.86	2.89	82.29	6.97	10.75	89.25	0220-0B
3124.00	cut	bulk	24.21	13.89	55.16	6.75	38.10	61.90	0221-0B
3125.00	cut	bulk	6.55	5.68	72.05	15.72	12.23	87.77	0222-0B
3126.00	cut	bulk	4.40	3.30	88.07	4.22	7.71	92.29	0223-0B
3127.00	cut	bulk	8.46	10.77	71.54	9.23	19.23	80.77	0224-0B
3128.00	cut	bulk	0.67	0.37	97.19	1.76	1.04	98.96	0225-0B
3129.00	cut	bulk	9.69	2.64	58.59	29.07	12.33	87.67	0226-0B
3130.00	cut	bulk	6.01	2.50	40.23	51.25	8.51	91.49	0227-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

Page: 11

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Sample
3131.00	cut	bulk	11.80	7.04	70.95	10.21	18.84	81.16	0228-0B
3132.00	cut	bulk	2.74	21.00	43.84	32.42	23.74	76.26	0229-0B
3133.00	cut	bulk	7.93	1.40	69.89	20.77	9.33	90.67	0230-0B
3134.00	cut	bulk	0.67	0.70	87.09	11.55	1.37	98.63	0231-0B
3135.00	cut	bulk	2.07	3.56	85.52	8.85	5.63	94.37	0232-0B
3135.59	cut	bulk	2.34	1.82	44.10	51.74	4.16	95.84	0233-0B
3137.00	cut	bulk	1.44	1.61	78.95	18.00	3.05	96.95	0234-0B
3137.50	cut	bulk	2.01	1.30	92.42	4.27	3.32	96.68	0235-0B
3138.00	cut	bulk	3.24	2.43	2.43	91.90	5.67	94.33	0236-0B
3138.55	cut	bulk	3.73	2.74	67.84	25.68	6.47	93.53	0237-0B
3140.00	cut	bulk	4.91	6.00	6.00	83.09	10.91	89.09	0238-0B
3140.25	cut	bulk	4.27	2.27	92.50	0.96	6.54	93.46	0239-0B
3141.00	cut	bulk	11.78	6.01	79.86	2.36	17.79	82.21	0240-0B
3142.00	cut	bulk	11.14	6.08	79.49	3.29	17.22	82.78	0241-0B
3142.68	cut	bulk	7.71	5.50	53.58	33.21	13.21	86.79	0242-0B
3143.00	cut	bulk	2.34	3.55	81.55	12.57	5.88	94.12	0243-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

Page: 12

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>NSO</u>	<u>Asp</u>	<u>HC</u>	<u>Non-HC</u>	<u>Sample</u>
3144.00	cut	bulk	0.73	1.17	92.40	5.70	1.90	98.10	0244-0B
3144.37	cut	bulk	2.12	1.47	93.25	3.17	3.58	96.42	0245-0B
3144.72	cut	bulk	1.65	2.05	92.00	4.30	3.70	96.30	0246-0B
3145.00	cut	bulk	1.52	1.25	91.88	5.36	2.76	97.24	0247-0B
3146.00	cut	bulk	0.81	0.81	96.18	2.19	1.63	98.37	0248-0B
3146.60	cut	bulk	0.99	1.12	88.69	9.20	2.11	97.89	0249-0B
3945.00	ccp	bulk	1.07	5.85	82.20	10.88	6.92	93.08	0074-0B
3956.00	ccp	bulk	1.75	0.95	86.49	10.81	2.70	97.30	0073-0B
3977.50	ccp	bulk	0.73	0.88	93.08	5.31	1.61	98.39	0072-0B
3981.50	ccp	bulk	3.43	3.69	89.33	3.56	7.11	92.89	0071-0B
3998.50	ccp	bulk	0.73	2.33	85.12	11.82	3.06	96.94	0070-0B
4002.50	ccp	bulk	1.98	4.22	91.96	1.84	6.19	93.81	0069-0B
4003.00	ccp	bulk	1.67	1.24	96.13	0.96	2.92	97.08	0068-0B
4010.00	ccp	bulk	3.13	2.88	92.62	1.38	6.01	93.99	0067-0B
4027.00	ccp	bulk	3.27	1.85	92.60	2.28	5.12	94.88	0066-0B
4036.00	ccp	bulk	2.49	1.62	94.03	1.86	4.10	95.90	0065-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Sample
4048.00	ccp	bulk	2.15	0.67	95.44	1.74	2.82	97.18	0064-0B
4110.00	ccp	bulk	2.13	1.52	94.62	1.72	3.65	96.35	0063-0B
4111.50	ccp	bulk	1.47	1.35	94.47	2.70	2.83	97.17	0062-0B
4118.00	cut	bulk	3.10	0.73	92.84	3.32	3.83	96.17	0250-0B
4118.50	cut	bulk	1.14	0.53	95.29	3.04	1.67	98.33	0251-0B
4119.00	cut	bulk	6.34	6.51	82.22	4.93	12.85	87.15	0252-0B
4120.32	cut	bulk	6.19	2.62	49.52	41.67	8.81	91.19	0253-0B
4121.00	cut	bulk	15.30	13.21	6.83	64.66	28.51	71.49	0254-0B
4122.00	cut	bulk	2.75	2.06	88.66	6.53	4.81	95.19	0255-0B
4122.90	cut	bulk	2.48	1.10	92.83	3.59	3.59	96.41	0256-0B
4123.00	cut	bulk	2.32	2.86	82.13	12.69	5.18	94.82	0257-0B
4124.00	cut	bulk	7.14	3.25	72.73	16.88	10.39	89.61	0258-0B
4125.00	cut	bulk	5.24	2.62	75.92	16.23	7.85	92.15	0259-0B
4126.68	cut	bulk	3.86	12.87	72.68	10.60	16.73	83.27	0260-0B
4127.00	cut	bulk	5.31	4.87	79.65	10.18	10.18	89.82	0261-0B
4128.00	cut	bulk	4.22	1.24	23.35	71.18	5.46	94.54	0262-0B

Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

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Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Sample
4129.00	cut	bulk	4.20	5.24	62.59	27.97	9.44	90.56	0263-0B
4129.70	cut	bulk	2.14	0.71	6.67	90.48	2.86	97.14	0264-0B
4130.00	cut	bulk	2.37	6.82	84.41	6.39	9.19	90.81	0265-0B
4131.00	cut	bulk	2.46	4.76	84.93	7.85	7.22	92.78	0266-0B
4131.65	cut	bulk	5.01	12.26	49.03	33.71	17.26	82.74	0267-0B
4133.00	cut	bulk	9.24	10.83	75.48	4.46	20.06	79.94	0268-0B
4134.00	cut	bulk	1.76	2.49	86.53	9.22	4.25	95.75	0269-0B
4135.00	cut	bulk	3.04	1.01	58.47	37.48	4.05	95.95	0270-0B
4135.54	cut	bulk	5.13	2.15	88.23	4.49	7.28	92.72	0271-0B
4136.00	cut	bulk	5.75	4.86	31.89	57.50	10.61	89.39	0272-0B
4137.00	cut	bulk	4.15	2.07	50.24	43.54	6.22	93.78	0273-0B
4182.00	ccp	bulk	0.98	0.47	96.95	1.60	1.45	98.55	0061-0B
4185.00	ccp	bulk	2.87	1.08	92.47	3.58	3.94	96.06	0060-0B
4190.00	ccp	bulk	1.74	0.56	95.42	2.29	2.29	97.71	0059-0B
4226.00	ccp	bulk	1.71	1.19	94.58	2.52	2.90	97.10	0058-0B
4234.00	ccp	bulk	2.26	1.23	94.14	2.37	3.50	96.50	0057-0B

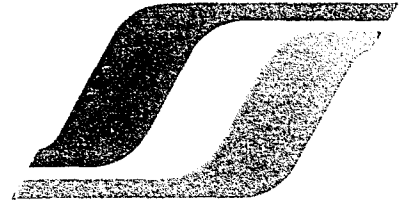


Table 6B: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6707/10-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	Sample
4452.50	ccp	bulk	1.69	0.94	85.65	11.73	2.63	97.37	0056-0B

**Saga Petroleum**



Exploration

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# **Geochemical Analysis**

## **PL 218**

## **Well 6707/10-1**

3A-99-220-1

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**RA98-184/EXG**

Juni 1998

**Tittel**  
 PL 218  
 Well 6707/10-1  
 Geochemical analysis

OLJEDIREKTORATET  
 16 DES. 1998  
 Sak/Dok.nr. 97,605 -16

In this report, the following geochemical analysis generated by Saga Petroleum are listed:

1. Stable isotope ( $\delta^{13}\text{C}$ ) of fluid sample MDT DB24: saturated and aromatic fractions.
2. Gasoline range analysis of MDT DB24.
3. Iatroscan analysis of core extracts from:
4. 3131.50 m,  
 3134.50 m,  
 3140.50 m  
 3145.50 m
5. Gas Chromatography - mass spectrometry (GC-GC/MS) data from:  
 MDT DB24 fluid sample  
 3131.50 m core extract  
 3140.50 m core extract  
 3145.50 m core extract  
 3956.00 m core extract  
 3981.50 m core extract  
 4185.00 m core extract

SA 99-220-1  
 05 FEB. 1999  
**REGISTRERT**  
 OLJEDIREKTORATET

**Tilgjengelighet:**

- Åpen     Saga og partnere     Intern     Fortrolig     Strengt fortrolig

<b>Ansv. enhet:</b>					
<b>Utarbeidet</b>	<i>Sen Hordley</i>				
<b>Gjennomgått</b>					
<b>Godkjent</b>	<i>A. A. A. S</i>				

## **WELL 6707/10-1 Geochemical analysis**

In this report, the following geochemical analysis generated by Saga Petroleum are listed:

1. Stable isotope ( $\delta^{13}\text{C}$ ) of fluid sample MDT DB24: saturated and aromatic fractions.
2. Gasoline range analysis of MDT DB24.
3. Iatroscan analysis of core extracts from:
4. 3131.50 m,  
3134.50 m,  
3140.50 m  
3145.50 m
  
5. Gas Chromatography - mass spectrometry (GC-GC/MS) data from:  
MDT DB24 fluid sample  
3131.50 m core extract  
3140.50 m core extract  
3145.50 m core extract  
3956.00 m core extract  
3981.50 m core extract  
4185.00 m core extract



Institutt for energiteknikk  
Institute for Energy Technology

## Isotopanalyse av fraksjoner, 6707/10-1

### Analyseprosedyre

Prøven løses i kjent mengde diklormetan (DCM), og ca 2 mg (eller så mye som mulig) av prøven overføres til glassampulle. Løsningsmiddelet dampes av i varmeskap ved 50°C. Ampullene tilsettes CuO og gjensmeltes under vakuum. Prøvene forbrennes deretter i oven ved 550°C i 1 time (Zofer, 1980). Forbrenningsproduktene CO<sub>2</sub> og H<sub>2</sub>O separeres og <sup>13</sup>C/<sup>12</sup>C forholdet bestemmes på et Finnigan MAT 251 massespektrometer.

For hver 10. prøve analyseres en intern laboratoriestandard (helolje). Spredning i isotopverdiene for standarden er ± 0.1‰. IFEs <sup>13</sup>C verdi på NBS 22 er -29.77 ± 0.6‰ PDB.

### Resultater

Resultatene av isotopanalysen er gitt i tabellen.

Sample	IFE no GEO	SAT δ <sup>13</sup> C ‰PDB	ARO δ <sup>13</sup> C ‰PDB
6707/10-1	MDT: DB24 <sup>296</sup> 716m 970893	-27.5 -27.5	-25.7

### Litteratur

Sofer, Z. (1980). Preparation of carbon dioxide for stable isotope analysis of petroleum fractions. *Analytical Chemistry*, 52, 1389-1391.

DB\_24\_F.DHA

Detailed Hydrocarbon Analysis, 100<sup>-</sup>mt<sup>r</sup>  
 AC Analytical Controls, Bensalem PA.

File: DB\_24\_F Sample: 6707/10-1 MDT  
 Method: DHA.MTH Processed 89 Peaks  
 DHA DBase File: 6707\_10.DBF  
 Internal Std. Amount (g): 0.0311

Analyzed: 01 Sep 97 01:37 P  
 Reported: 09-02-1997 14:07:4  
 Internal Standard Method  
 Sample Amount (g): 0.9460

Composite Report  
 Totals by Group Type & Carbon Number  
 (in Weight Percent)

	Paraffins:	I-paraffins:	Aromatics:	Naphthenes:	Olefins:	Total:
C1:	0.000	0.000	0.000	0.000	0.000	0.000
C2:	0.000	0.000	0.000	0.000	0.000	0.000
C3:	0.000	0.000	0.000	0.000	0.000	0.000
C4:	0.000	0.000	0.000	0.000	0.000	0.000
C5:	0.008	0.032	0.000	0.013	0.000	0.053
C6:	0.053	0.171	0.000	0.684	0.000	0.908
C7:	0.031	0.292	0.000	1.819	0.000	2.142
C8:	0.195	0.345	0.413	1.799	0.000	2.751
C9:	0.224	0.456	0.000	0.739	0.000	1.419
C10:	0.000	0.000	0.000	0.000	0.000	0.000
C11:	0.000	0.000	0.000	0.000	0.000	0.000
C12:	0.000	0.000	0.000	0.000	0.000	0.000
C13:	0.000	0.000	0.000	0.000	0.000	0.000
C14:	0.000	0.000	0.000	0.000	0.000	0.000
Total:	0.510	1.296	0.413	5.054	0.000	7.274
Oxygenates:	0.000					
		Total C15+:	0.000		Total Unknowns:	0.997
					Grand Total:	8.271

DB 24 F.DHA

Detailed Hydrocarbon Analysis, 100 mtr  
 Analytical Controls, Bensalem PA.

File: DB\_24\_F      Sample: 6707/10-1 MDT      Analyzed: 01 Sep 97 01:37 P  
 M  
 Method: DHA.MTH      Processed 89 Peaks      Reported: 09-02-1997 14:07:4  
 9  
 DHA DBase File: 6707\_10.DBF      Internal Standard Method  
 Internal Std. Amount (g): 0.0311      Sample Amount (g): 0.9460

Components Listed in Chromatographic Order

Min.	INDEX	Component	Wt%	Vol%
5.193	475.5	i-Pentane	0.032	0.042
5.686	500.0	n-Pentane	0.008	0.010
6.621	536.2	2,2-Dimethylbutane	0.011	0.013
7.605	564.1	Cyclopentane	0.013	0.014
7.660	565.5	2,3-Dimethylbutane	0.028	0.034
7.819	569.3	2-Methylpentane	0.074	0.091
8.455	583.3	3-Methylpentane	0.059	0.071
9.332	600.0	n-Hexane	0.053	0.064
10.858	623.5	2,2-Dimethylpentane	0.027	0.033
11.021	625.7	Methylcyclopentane	0.226	0.242
11.300	629.4	2,4-Dimethylpentane	0.026	0.031
11.703	634.5	?	0.009	0.011
13.374	653.3	3,3-Dimethylpentane	0.013	0.015
13.696	656.6	Cyclohexane	0.458	0.471
14.645	665.6	2-Methylhexane	0.041	0.048
14.803	667.0	2,3-Dimethylpentane	0.062	0.071
15.069	669.4	1,1-Dimethylcyclopentane	0.050	0.053
15.613	674.1	3-Methylhexane	0.109	0.127
16.386	680.3	1c,3-Dimethylcyclopentane	0.081	0.087
16.760	683.2	1t,3-Dimethylcyclopentane	0.076	0.082
16.979	684.9	3-Ethylpentane	0.014	0.016
17.134	686.1	1t,2-Dimethylcyclopentane	0.159	0.170
19.140	700.0	n-Heptane	0.031	0.036
22.354	722.0	1c,2-DMCypentane+MCyhexane	1.384	1.512
22.991	725.9	1,1,3-TrimCyC5+2,2DiMC6	0.073	0.078
24.624	735.4	Ethylcyclopentane	0.069	0.072
25.158	738.3	?	0.026	0.027
25.527	740.3	?	0.058	0.060
26.563	745.7	1,2t,4c-Trimethylcyclopentane	0.058	0.061
26.946	747.6	?	0.024	0.025
28.227	753.9	?	0.081	0.085
31.591	768.9	2,3-Dimethylhexane	0.020	0.022
31.827	769.9	2-Methyl-3-ethylpentane	0.026	0.029
33.383	776.2	4-MC7+3-M-3-EthylC5	0.010	0.011
33.704	777.4	3,4-Dimethylhexane	0.057	0.064
34.881	781.9	1c,3-Dimethylcyclohexane	0.531	0.557
35.264	783.4	3-EthylC6+1t,4-DiMCyC6	0.232	0.260
36.300	787.1	1,1-Dimethylcyclohexane	0.093	0.095
37.242	790.5	1c,3-EMCyC5	0.040	0.042
37.642	791.9	1t,3-EMCyC5	0.041	0.043
37.892	792.7	1,1-MECyC5+2,2,4-TriMC6	0.073	0.075
38.203	793.8	?	0.013	0.013
38.686	795.4	1t,2-Dimethylcyclohexane	0.289	0.298
40.087	800.0	n-Octane	0.195	0.222
40.342	801.9	?	0.024	0.027
41.315	809.3	?	0.014	0.016

## DB 24 F.DHA

41.453	810.3	?	0.011	0.012
42.474	817.7	?	0.012	0.014
43.141	822.5	?	0.035	0.039
43.769	826.9	1c,2-Dimethylcyclohexane	0.034	0.034
44.055	828.9	?	0.100	0.101
44.454	831.6	?	0.082	0.082
44.997	835.3	EthylCyC6+n-PropylCyC5	0.567	0.578
45.332	837.6	?	0.011	0.012
45.547	839.0	2,6-Dimethylheptane	0.020	0.023
45.851	841.1	1,1,3-Trimethylcyclohexane	0.162	0.165
46.208	843.4	?	0.042	0.043
46.525	845.5	3,5DM heptane N9	0.072	0.079
46.711	846.7	unidentified N9	0.054	0.058
46.946	848.2	unidentified N9	0.028	0.029
47.193	849.8	?	0.015	0.016
47.782	853.6	ethyl benzene	0.023	0.021
48.024	855.1	unidentified N9	0.044	0.046
48.201	856.2	?	0.174	0.184
48.429	857.6	?	0.026	0.027
48.803	860.0	?	0.025	0.027
49.094	861.8	m-Xylene	0.007	0.006
49.579	864.7	2,5-Dimethylheptane	0.114	0.125
49.798	866.1	3,4-DiMC7	0.115	0.127
50.305	869.1	unidentified N9	0.038	0.040
50.753	871.8	4-Methyloctane	0.022	0.025
50.957	873.0	2-Methyloctane	0.042	0.047
51.105	873.9	?	0.017	0.020
51.452	875.9	unidentified N9	0.051	0.054
51.621	876.9	unidentified N9	0.090	0.095
52.079	879.6	?	0.034	0.036
52.287	880.8	3-MeC8	0.071	0.079
52.456	881.7	?	0.039	0.043
52.925	884.4	?	0.018	0.020
53.306	886.6	o-Xylene	0.383	0.348
53.590	888.2	unidentified N9	0.169	0.179
53.784	889.3	?	0.024	0.026
53.977	890.3	?	0.014	0.015
54.188	891.5	unidentified	0.026	0.028
54.797	894.8	unidentified N9	0.056	0.059
55.171	896.9	unidentified N9	0.022	0.023
55.502	898.7	?	0.071	0.075
55.747	900.0	n-Nonane	0.224	0.250



WELL 6707/10-1: Iatrosan analysis of core samples

Well name	Nationality	Sample name	U. Depth	L. Depth	Sample type	Lithology	Weight of rock (g)	EOM (mg/g)	SAT (mg/g)	ARO (mg/g)	POL (mg/g)
6707/10-1	nor	125444	3131.50	3131.50	ccp	sst	2.98	0.10	0.00	0.00	0.10
6707/10-1	nor	125445	3134.50	3134.50	ccp	sst	3.56	0.09	0.00	0.00	0.09
6707/10-1	nor	125446	3140.50	3140.50	ccp	sst	3.53	0.06	0.00	0.00	0.06
6707/10-1	nor	125447	3145.50	3145.50	ccp	sst	3.09	0.08	0.00	0.00	0.08