

Fina Exploration Norway Inc.



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REGISTRERT
OLJEDIREKTORATET

**GEOCHEMICAL SOURCE SCREEN ANALYSES OF
CONVENTIONAL CORE SAMPLES**

WELL N 2/6-2



ANALYSES METHODOLOGY

All analyses were performed on instrumentation co-invented and/or developed by FINA.

1. SOURCE SCREEN ANALYSES

* Rock-Eval : IFP/FINA Procedure. Rock-Eval 2 generation of equipment with TOC attachment employed. Analyses calibrated against IFP 55000 Standard. Analysis procedure conforms with that required by NIGOGA.

2. SOURCE DETAIL ANALYSES

* Soxtec Extraction Procedure. Quantified analyses fulfil NIGOGA requirements.

* Pyrolysis-Gas Chromatography : GEOFINA HYDROCARBON METER Procedure. Individual component quantified analyses calibrated against IFP 55000 Standard. Being the benchmark equipment, FINA's specification conforms and exceeds that required by NIGOGA.

3. C ISOTOPE ANALYSES

* Kerogen/Kerogen Pyrolysate D¹³C analyses : GEOCHEM/FINA AUTOPIP™ Procedure. No equivalent NIGOGA specifications. Data reported vs NBS22 at D¹³C -29.8 ppt.

Source Screen and Source Detail analyses were performed by the Exploration Geochemistry Group, Petrofina Exploration and Production, c/o Fina Research, Zone Industrielle C, B-7181 Seneffe (Feluy), Belgium.

The C Isotope Analyses were performed by THE GEOCHEM GROUP, Chester Street, Chester CH4 8RD England.

GEOCHEMICAL SOURCE ROCK EVALUATION



SUMMARY DATA FILE

| | |
|------------------------|-----------|
| Country | : NORWAY |
| Province/State/Region: | |
| Block/Lease | : |
| Location/Coordinates | : |
| Well/Site | : 2/6-2 |
| Unique Designation | : N.2/6-2 |

| | |
|--------------------------|------------|
| SUMMARY WELL DATA | |
| TD | : 4760.0 M |
| TDV | : |
| Refdat | : KB |
| BHT | : |

SOURCE SCREEN FILE

SOURCE DETAIL FILE

| DEPTH BRT | SAMPLE | | PERIOD /EPOCH | FORM | LITHOLOGY (ABBR) | CO3 % | VISUAL KEROGEN DESCRIPTION | TOC % | S1 KG/TN | S2 KG/TN | HI | RO % | TR | GI (S1) | GI (TSE) | TKC % | K2 KG/TN | K3 KG/TN | KPI | OI | GOPR | PARAI % | TM | TAI | TSE KG/TN | D-13C (K) | D-13C (KPY) | D-13C (TSE) | |
|--------------|--------|------|------------------|------|---------------------|----------|-------------------------------|----------|-------------|-------------|-----|---------|-----|------------|-------------|----------|-------------|-------------|-----|----|------|------------|-----|-----|--------------|--------------|----------------|----------------|--|
| | NO | TYPE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3878.20 | AKP | CC | | | | | | .93 | .07 | .43 | 46 | | .14 | | | | | | | | | | 443 | | | | | | |
| 3885.50 | AKP | CC | | | | | | .14 | .05 | .22 | 157 | | .19 | | | | | | | | | | 1 | | | | | | |
| 4220.10 | AKP | CC | | | | | | 2.65 | 3.56 | 6.28 | 237 | | .36 | 143.5 | 268.1 | 2.48 | 3.94 | .41 | 159 | 17 | .18 | 2.6 | 441 | | 6.65 | 27.99 | 29.24 | | |
| 4221.80 | AKP | CC | | | | | | 2.90 | 5.16 | 5.89 | 203 | | .47 | 210.6 | 336.7 | 2.45 | 3.49 | .43 | 142 | 18 | | | 440 | | 8.25 | | | | |
| 4223.70 | AKP | CC | | | | | | 2.75 | 3.72 | 5.98 | 217 | | .38 | 153.7 | 240.1 | 2.42 | 3.75 | .55 | 155 | 23 | | | 441 | | 5.81 | | | | |
| 4225.30 | AKP | CC | | | | | | 3.16 | 4.22 | 7.09 | 224 | | .37 | 143.1 | 227.1 | 2.95 | 4.79 | .53 | 162 | 18 | .17 | 2.5 | 441 | | 6.70 | 28.37 | 29.50 | | |
| 4227.80 | AKP | CC | | | | | | 2.86 | 4.57 | 6.57 | 230 | | .41 | 169.9 | 249.8 | 2.69 | 4.46 | .40 | 166 | 15 | .16 | 2.4 | 441 | | 6.72 | 28.24 | 29.52 | | |
| 4230.60 | AKP | CC | | | | | | 2.53 | 3.18 | 5.05 | 200 | | .39 | 132.5 | 226.7 | 2.40 | 3.19 | .51 | 133 | 21 | | | 443 | | 5.44 | | | | |
| 4231.90 | AKP | CC | | | | | | 2.67 | 2.34 | 6.19 | 232 | | .27 | 93.6 | 202.0 | 2.50 | 3.60 | .43 | 144 | 17 | | | 442 | | 5.05 | | | | |
| 4232.60 | AKP | CC | | | | | | 2.90 | 2.71 | 7.02 | 242 | | .28 | 99.3 | 244.7 | 2.73 | 4.32 | .39 | 158 | 14 | .17 | 2.3 | 442 | | 6.68 | 28.87 | 29.35 | | |
| 4233.80 | AKP | CC | | | | | | 2.70 | 2.31 | 5.99 | 222 | | .28 | 95.5 | 247.9 | 2.42 | 3.65 | .34 | 151 | 14 | | | 443 | | 6.00 | | | | |
| 4234.90 | AKP | CC | | | | | | 2.71 | 2.15 | 6.57 | 242 | | .25 | 84.0 | 222.3 | 2.56 | 4.40 | .35 | 172 | 14 | .16 | 2.4 | 444 | | 5.69 | 27.95 | 28.23 | | |



KEY TO SUMMARY DATA FILE PARAMETERS

TOC-Total Organic Carbon; S1-Productivity (free/thermovaporisable hydrocarbons); S2-Potential Productivity (hydrocarbons from kerogen/bitumen transformation); HI-Hydrogen Index (S2 normalised to TOC); R0 (mean vitrinite reflectance); TR-Production Index (S1 normalised to S1+S2); GI(S1)-Generation Index (100xS1 normalised to TKC); GI (TSE)-Generation Index (100xTSE normalised to TKC); Bitumen-Free Analyses : TKC-Total Kerogen Carbon; K2-Precision Potential Productivity; K3-Precision Kerogen CO2 Productivity; KPI-Kerogen Pyrolysis Index (Precision HI); OI-Precision Oxygen Index (100xK3 normalised to TKC); GOPR-Gas/Oil Production ratio (kerogen pyrolysis K2 product C1-5 gas content normalised to total pyrolysate); PI-Paraffin Index (kerogen pyrolysis K2/C9+alkane/alkene product normalised to TKC); TM-Rock-Eval Tmax (deg.C); TAI-Thermal Alteration Index (1-5 scale); TSE-Total Soluble Extract (rock bitumen); D-13C (K) (KPY) (TSE) - Stable Carbon Isotope Value of Kerogen, Kerogen Pyrolysate (K2) and Rock Bitumen (TSE), respectively.