6.5

Mud report

36" hole

Drilled 36" hole to 179 m, pumping high viscous pills on every connection. Displaced the hole with a 1.25 rd high viscous mud, before running the 30" casing.

Materials used in this section:
Barite, Bentonite, NaOH, Soda Ash and Lime.

26" hole

Drilled out of the shoe with seawater. Drilled 12 1/4" pilothole to 1016 m using high viscous pills on every connection (viscousity + 100). Opened the hole to 26" using seawater and pumping high viscous pills on every connection. Displaced the hole to 1.15 rd mud before running casing.

Materials used in this section:
Bentonite, NaOH, Soda Ash, Lime, Barite.

17 1/2" hole

Displaced the hole to KCl-polymer mud while drilling out of the shoe. Had to pull out of the hole at 1526 m due to the well-bore being packed with gumbo. Lost 50 $m^3$ mud to the formation. At 1870 m had to dump the shaker pits due to build up of clay. Dumped the shaker pits at 2000 m for the same reason. Drilled 17 1/2" hole to 2715 m. Had to build mud all the way down due to formation losses and mud dumped to control properties. At 2715 m the mudweight was increased to 1.60 rd. Circulated bottoms up twice at TD and did a wiper trip to the shoe. After logging the last 183 m to TD was reamed and washed. The hole was circulated clean and the 13 3/8" casing was run.

The high fluid loss in parts of this section was mainly a result of high penetration rate and reactive formation.

Materials used in this section:
Barite, Milpolymer 302, NaOH, Soda Ash, Drispac Reg, Drispac SL, Permalose, KCl, KCl-brine, Probio, Bicarbonate, Defoamer, Soltex.

12 1/4" hole

Pretreated the mud with bicarbonate to reduce cement effects before drilling the cement and the shoe, mudweight 1.60 rd. Started to encounter chalk at 3080 m. Started to add Ligcon, Chemtrol X and Miltemp very slowly at this depth. Started to add lignosulfonate slowly at 3620 m (BHT approximately 115°C). KCl concentration maintained in the range of 45-48 ppb. To help control rheology due to high temperatures 3-4 sx Miltemp was added every hour. At 3770 m approx. 18% gas was encountered and the mudweight was raised to 1.68 rd. Drilled to 3799 m with the gas increasing, mudweight raised to 1.71 rd, then to 1.75 rd. By the time 3811 m was reached the mudweight was 1.90 rd. Started to lose circulation at this point. After the circulation was regained lost circulation materials was circulated. Gained back the mud lost to the formation. The mudweight was raised to 1.91 rd and a cement plug and a barite plug were set on bottom due to lost circulation. After a Diaseal D pill was set the hole was logged, and the mudweight raised to 1.93 rd due to high gasreadings. Circulated out hydrocarbons, had up to 14% oil in the mud. Set a gasblock cement from TD to 3650 m, and built new mud. Old mud was transferred to the standbyboat, while displacing hole to new mud. 375 $m^3$ new mud was mixed. Lost 147 $m^3$ mud while running 9 5/8" casing. Drilled 600 m of cement inside casing with seawater. Displaced to mud before drilling the float.

Materials used in this section:
Barite, Bentonite, NaOH, Soda Ash, Lime, Drispac SL, Drispac Reg, Milpolymer 302, XC-polymer, Permalose, KCl, Probio, Bicarbonate, Defoamer, Soltex, Nutplug, Nutplug F, Mica C, Mica F, Prothin, Ligcon, Miltemp, Chemtrol, Diaseal D, Aluminium, Stearate, Carbomul.

8 3/8" hole

The mudweight was increased from 1.93 rd to 2.10 rd while drilling from 3811 m to 3965 m. This due to high gasreadings, 3000-6000 units of gas on trips and connections. The increase in mudweight did not lower the gas-content in the mud.

In the beginning of the section, the MBT was too high, but this was adjusted with dilution combined with increased additions of Miltemp.

Materials used in this section:
Barite, Bentonite, NaOH, Bicarbonate, Lime, Drispac SL, Drispac Reg, Defoamer, Prothin, Ligcon, Miltemp, Chemtrol.

6" hole

Drilled out of the 7" shoe with 2.14 rd mud, started to loose mud while drilling new formation. The mudweight was lowered to 2.09 rd, but this caused a gain. The well was circulated, drilling continued and another pit gain was encountered. After the well was circulated two cement plugs were set on bottom at 4088 m. The plugs were drilled and the mudweight raised to 2.10 rd, then to 2.12 rd. Drilled down to 4617 m, and started to loose mud. LCM pills were mixed (20 lb/ppb Nut and Mica Fine) and pumped as needed. At 4660 m the hole was cleaned to run logs. Before drilling ahead from 4660 m the mudweight was lowered to 2.10 rd. At 4894 m the mudweight was raised to 2.12 rd due to an increase in gas.

At TD, 5042 m, the mudweight was increased to 2.13 rd. When pulling out, had same problems with swabbing. The pipe got stuck twice when pulling out of the hole. A 5" liner was run and cemented. Lost 33 $m^3$ to the formation while cementing. When circulating at the liner top the well gave back the lost mud with an oilcontent from 3 to 8%.
A cement retainer was run and the liner lap was squeezed before it was decided to plug and abandon the well.

Materials used in this section:
Barite, Bentonite, NaOH, Bicarbonate, Lime, Drispac SL, XC-polymer, Defoamer, Nutplug F, Mica F, Miltemp, Chemtrol, Prothin, Carbomul, IMCO spot, SAPP.

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Norsk
Hydro

Daily mud properties — Date 10/3-1987

System : Boredata Sandnes

Well: 2/11-7
Mud Contractor: Promud a/s
Data: "Mid depth" from table 3, otherwise from table 14 — 3

Date 10/3-1987
14 3

| Date | Mid. depth m,MD | Mud dens. (SG) | PV cps | YP mPa | GEL 0 mPa | GEL 10 mPa | Ph | 100 psi (cc) | HP/HT (cc) | Cl- inn/out mg/l | Alkalinity Pf | Alkalinity Pm | Alkalinity Mf | Ca++ inn/out mg/l | Oil % | Sol % | H2O % | V.G. meter at 115 gr. F 600 rpm | 300 rpm | 200 rpm | 100 rpm | 6 rpm | 3 rpm | Mud type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 860413 | 0 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | Spud |
| 860414 | 0 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | Spud |
| 860415 | 0 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | Spud |
| 860416 | 179 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | Spud |
| 860417 | 400 | 1.1 | 0 | 0 | | | | | | | | | | | | | | | | | | | | Spud |
| 860418 | 966 | 1.1 | 0 | 0 | | | | | | | | | | | | | | | | | | | | Spud |
| 860419 | 1016 | 1.1 | 0 | 0 | | | | | | | | | | | | | | | | | | | | Spud |
| 860420 | 1016 | 1.15 | 0 | 0 | | | | | | | | | | | | | | | | | | | | Spud |
| 860421 | 1016 | 1.15 | 0 | 0 | | | | | | | | | | | | | | | | | | | | spud |
| 860422 | 1050 | 1.5 | 26 | 14 | 2 | 2 | 9.4 | 5.5 | | 64000/ | 0.2 | 0.3 | 0.5 | 240/ | | 13 | | 80 | 54 | 41 | 22 | 4 | 3 | KCL-POLYMER |
| 860423 | 1346 | 1.5 | 27 | 19 | 4 | 7 | 9 | 8 | | 65000/ | 0.1 | 0.1 | 0.1 | 600/ | | 16 | | 92 | 65 | 50 | 33 | 8 | 5 | KCL-POLYMER |
| 860424 | 1526 | 1.5 | 30 | 12 | 3 | 8 | 8.5 | 9.8 | | 65000/ | 0.1 | 0.1 | 0.2 | 560/ | | 16 | | 84 | 54 | 37 | 22 | 4 | 3 | KCL-POLYMER |
| 860425 | 1753 | 1.55 | 31 | 14 | 4 | 11 | 8.8 | 10 | | 78000/ | 0.1 | 0.2 | 0.2 | 500/ | | 17 | | 90 | 59 | 42 | 28 | 5 | 4 | KCL-POLYMER |
| 860426 | 2034 | 1.6 | 36 | 15 | 5 | 21 | 8.6 | 10 | | 71000/ | 0.1 | 0.1 | 0.2 | 580/ | | 20 | | 101 | 65 | 54 | 33 | 3 | 1 | KCL-POLYMER |
| 860427 | 2205 | 1.6 | 37 | 14 | 7 | 25 | 8.9 | 13 | | 79000/ | 0.2 | 0.2 | 0.5 | 400/ | | 19 | | 102 | 65 | 49 | 27 | 6 | 4 | KCL-POLYMER |
| 860428 | 2505 | 1.6 | 38 | 15 | 20 | 30 | 8.5 | 35 | | 86000/ | 0.1 | 0.2 | 0.4 | 640/ | | 20 | | 106 | 68 | 50 | 29 | 10 | 6 | KCL-POLYMER |
| 860429 | 2588 | 1.6 | 30 | 23 | 12 | 25 | 8.9 | 22 | | 82000/ | 0.1 | 0.1 | 0.2 | 640/ | | 20 | | 75 | 45 | 35 | 23 | 12 | 11 | KCL-POLYMER |
| 860430 | 2715 | 1.6 | 31 | 12 | 8 | 20 | 9.4 | 15 | | 79000/ | 0.2 | 0.5 | 0.5 | 540/ | | 20 | | 86 | 55 | 36 | 23 | 10 | 9 | KCL-POLYMER |
| 860501 | 2715 | 1.6 | 30 | 13 | 7 | 17 | 9 | 16 | | 77000/ | 0.1 | 0.3 | 0.3 | 540/ | | 20 | | 86 | 56 | 37 | 25 | 11 | 8 | KCL-POLYMER |
| 860502 | 2715 | 1.6 | 22 | 10 | 6 | 17 | 8.5 | 17.4 | 31 | 78000/ | 0.1 | 0.9 | 0.9 | 680/ | | 20 | | 64 | 42 | 30 | 20 | 8 | 6 | KCL-POLYMER |
| 860503 | 2715 | 1.6 | 22 | 10 | 4 | | 10.7 | 28.2 | 42 | 75000/ | 0.3 | 1.1 | 1.2 | 1480/ | | 20 | | 63 | 41 | 29 | 19 | 8 | 5 | KCL-POLYMER |
| 860504 | 2715 | 1.6 | 21 | 13 | 3 | 16 | 10.6 | 8 | 29 | 73000/ | | | | 1460/ | | 20 | | 58 | 40 | 28 | 17 | 6 | 3 | KCL-POLYMER |
| 860505 | 2700 | 1.6 | 21 | 13 | 4 | 18 | 8 | 10.6 | 27 | 74000/ | 0.1 | 0.4 | 1.1 | 1000/ | | 20 | | 68 | 47 | 38 | 26 | 11 | 8 | KCL-POLYMER |
| 860506 | 2800 | 1.6 | 17 | 9 | 2 | 19 | 10 | 13 | | 76000/ | 0.2 | 2.8 | 1.2 | 480/ | | 20 | | 51 | 34 | 23 | 14 | 6 | 2 | KCL-POLYMER |
| 860507 | 3000 | 1.6 | 28 | 11 | 3 | 17 | 9.8 | 8.2 | 31 | 74000/ | 0.2 | 1.2 | 1 | 800/ | | 20 | | 78 | 50 | 37 | 23 | 6 | 3 | KCL-POLYMER |
| 860508 | 3086 | 1.6 | 26 | 12 | 3 | 18 | 9.6 | 7.8 | 30 | 70000/ | 0.1 | 0.9 | 0.7 | 800/ | | 20 | | 78 | 52 | 36 | 23 | 6 | 3 | KCL-POLYMER |
| 860509 | 3126 | 1.6 | 30 | 9 | 2 | 15 | 9.7 | 7.4 | 27 | /65000 | 0.1 | 0.7 | 0.7 | /740 | | 20 | | 78 | 48 | 34 | 19 | 4 | 2 | KCL-POLYMER |
| 860510 | 3223 | 1.6 | 25 | 9 | 2 | 16 | 9.7 | 6.6 | 22 | /60000 | 0.1 | 0.8 | 0.6 | /420 | | 20 | | 68 | 43 | 31 | 21 | 6 | 3 | KCL-POLYMER |
| 860511 | 3308 | 1.6 | 24 | 9 | 2 | 12 | 9.6 | 5.6 | 18 | /68000 | 0.1 | 0.7 | 0.6 | /360 | | 20 | | 66 | 42 | 30 | 19 | 5 | 3 | KCL-POLYMER |
| 860512 | 3462 | 1.6 | 23 | 10 | 3 | 16 | 9.5 | 6.2 | 20 | /78000 | 0.1 | 0.7 | 0.7 | /340 | | 20 | | 66 | 43 | 30 | 20 | 7 | 4 | KCL-POLYMER |
| 860513 | 3569 | 1.6 | 24 | 11 | 3 | 15 | 9.8 | 5.8 | 19 | /71000 | 0.1 | 0.9 | 0.7 | /260 | | 20 | | 70 | 46 | 32 | 23 | 7 | 4 | KCL-POLYMER |
| 860514 | 3601 | 1.6 | 23 | 12 | 2 | 13 | 10 | 5.8 | 18 | /75000 | 0.1 | 1 | 0.9 | /240 | | 20 | | 70 | 47 | 36 | 25 | 6 | 4 | KCL-POLYMER |
| 860515 | 3654 | 1.6 | 24 | 11 | 3 | 14 | 10 | 5.5 | 19 | | | | | | | 20 | | | | | | | | KCL-POLYMER |
| 860516 | 3694 | 1.65 | 31 | 14 | 4 | 17 | 9.5 | 5.5 | 19 | 75000/ | 0.1 | 0.9 | 1.8 | 160/ | | 22 | | 78 | 51 | 40 | 26 | 8 | 5 | KCL-POLYMER |
| 860517 | 3728 | 1.65 | 29 | 12 | 4 | 17 | 9.9 | 5.1 | 19 | 77000/ | 0.2 | 1.1 | 1 | 120/ | | 22 | | 82 | 53 | 40 | 24 | 9 | 5 | KCL-POLYMER |
| 860518 | 3737 | 1.65 | 28 | 11 | 3 | 17 | 9.6 | 5.2 | 20 | 75000/ | 0.2 | 1 | 1 | 140/ | | 22 | | 78 | 50 | 38 | 25 | 8 | 6 | KCL-POLYMER |
| 860519 | 3766 | 1.65 | 32 | 13 | 3 | 17 | 10.3 | 5 | 19 | 77000/ | 0.3 | 1.8 | 1.7 | 120/ | | 22 | | 82 | 53 | 38 | 25 | 8 | 6 | KCL-POLYMER |
| 860520 | 3799 | 1.78 | 36 | 12 | 3 | 18 | 10 | 4.8 | 19 | | 0.3 | 1.7 | 1.6 | | 1 | 27 | 72 | 96 | 60 | 45 | 30 | 8 | 6 | KCL-POLYMER |
| 860521 | 3807 | 1.9 | 38 | 15 | 4 | 21 | 9.4 | 4.2 | 17.6 | | 0.4 | 1.4 | 1.6 | | 3 | 30 | 67 | 106 | 68 | 54 | 33 | 12 | 7 | KCL-POLYMER |
| 860522 | 3811 | 1.88 | 36 | 12 | 3 | 18 | 9.7 | 3.8 | 17 | 74000/ | 0.4 | 1.1 | 1.8 | 160/ | 3 | 29 | 68 | 96 | 60 | 49 | 30 | 10 | 6 | KCL-POLYMER |

Table B-6

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# Daily mud properties

System : Boredata Sandnes

Well: 2/11-7

Mud Contractor: promud a/s

Date 3/12-1986



| Date | Mid. depth m,MD | Mud dens. (SG) | PV cps | YP mPa | GEL 0 mPa | GEL 10 mPa | Ph | 100 psi (cc) | HP/HT (cc) | Cl- inn/out mg/l | Alkalinity Pf | Pm | Mf | Ca++ inn/out mg/l | Oil % | Sol % | H2O % | V.G. meter at 115 gr. F 600 rpm | 300 rpm | 200 rpm | 100 rpm | 6 rpm | 3 rpm | Mud type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 860523 | 3811 | 1.88 | 37 | 11 | 5 | 22 | 9.7 | 3.1 | 17 | 67000/ | 0.5 | 0.9 | 2.1 | 120/ | 7 | 27 | 66 | 98 | 60 | 44 | 28 | 7 | 6 | KCL-POLYMER |
| 860524 | 3811 | 1.9 | 38 | 11 | 4 | 13 | 10 | 3 | 16 | 71000/ | 0.4 | 0.9 | 2.1 | 160/ | 7 | 27 | 66 | 94 | 53 | 41 | 25 | 7 | 5 | KCL-POLYMER |
| 860525 | 3811 | 1.88 | 42 | 7 | 3 | 12 | 10.2 | 3 | 17 | 70000/71000 | 0.5 | 1.1 | 2.2 | 120/120 | 7 | 27 | 66 | 96 | 54 | 42 | 27 | 7 | 5 | KCL-POLYMER |
| 860526 | 3811 | 1.91 | 40 | 5 | 2 | 9 | 9.5 | 3 | 16.8 | | 0.4 | 0.6 | 2.2 | | 7 | 27 | 66 | 90 | 50 | 39 | 25 | 4 | 3 | KCL-POLYMER |
| 860527 | 3811 | 1.91 | 39 | 5 | 3 | 11 | 9.5 | 3 | 16.8 | 70000/71000 | 0.4 | 0.6 | 2.5 | 280/280 | 7 | 27 | 66 | 88 | 49 | 35 | 22 | 4 | 3 | KCL-POLYMER |
| 860528 | 3811 | 1.91 | 36 | 6 | 3 | 10 | 9 | 4.2 | 16.4 | 65000/65000 | 0.1 | 0.4 | 1.5 | 360/760 | 8 | 27 | 65 | 84 | 48 | 35 | 21 | 5 | 4 | KCL-POLYMER |
| 860529 | 3811 | 1.91 | 34 | 6 | 2 | 10 | 9 | 5 | 16.5 | 60000/6000000 | 0.3 | 0.6 | 1.4 | 460/640 | 8 | 27 | 65 | 82 | 47 | 34 | 22 | 6 | 4 | KCL-POLYMER |
| 860530 | 3811 | 1.9 | 37 | 8 | 2 | 9 | 10 | 4.2 | 16 | 66000/ | 0.3 | 0.8 | 1.1 | 780/ | 11 | 33 | 56 | 90 | 53 | 40 | 25 | 7 | 4 | KCL-POLYMER |
| 860531 | 3741 | 1.9 | 35 | 6 | 2 | 10 | 9.6 | 4.4 | 16 | 66000/ | 0.2 | 0.5 | 1 | 700/ | 10 | 33 | 57 | 85 | 49 | 33 | 21 | 6 | 4 | KCL-POLYMER |
| 860601 | 3741 | 1.9 | 38 | 5 | 2 | 11 | 9.5 | 4.6 | 17 | 60000/ | 0.1 | 0.4 | 1 | 600/ | 14 | 33 | 53 | 92 | 53 | 36 | 24 | 7 | 4 | KCL-POLYMER |
| 860602 | 3746 | 1.91 | 36 | 7 | 2 | 10 | 9.9 | 4.2 | 17 | 53000/ | 0.2 | 0.1 | 0.8 | 700/ | 11 | 33 | 56 | | | | | | | KCL-POLYMER |
| 860603 | 3811 | 1.91 | 41 | 11 | 2 | 10 | 10.2 | 4 | 16.8 | 54000/ | 0.3 | 1 | 0.8 | 620/ | 12 | 31 | 57 | 103 | 62 | 40 | 28 | 7 | 4 | KCL-POLYMER |
| 860604 | 3640 | 1.91 | 38 | 10 | 2 | 9 | 11.6 | 4 | 16.5 | 52000/ | 0.5 | 2.1 | 1.1 | 800/ | 12 | 32 | 56 | 96 | 58 | 38 | 27 | 6 | 4 | KCL-POLYMER |
| 860605 | 3766 | 1.91 | 38 | 11 | 2 | 12 | 12.1 | 4.6 | 18.4 | 52000/52000 | 0.6 | 3 | 1.2 | 600/600 | 11 | 32 | 57 | | | | | | | KCL-POLYMER |
| 860606 | 3600 | 1.91 | 31 | 7 | 2 | 6 | 11.2 | 4.6 | 18 | 22000/22000 | 0.4 | 3.1 | 0.9 | 780/780 | 1 | 29 | 70 | 75 | 44 | 29 | 20 | 5 | 4 | KCL-POLYMER |
| 860607 | 3750 | 1.92 | 35 | 8 | 2 | 6 | 11 | 3.5 | 17.4 | 21000/21000 | 0.5 | 3 | 1.2 | 440/440 | 3 | 30 | 67 | 86 | 51 | 33 | 25 | 6 | 4 | KCL-POLYMER |
| 860608 | 3750 | 1.93 | 39 | 9 | 2 | 7 | 11.5 | 3.5 | 17 | 21000/21000 | 1.2 | 5.1 | 1.6 | 560/560 | 3 | 29 | 68 | 96 | 57 | 35 | 26 | 6 | 3 | KCL-POLYMER |
| 860609 | 3750 | 1.93 | 35 | 8 | 2 | 6 | 11.3 | 3.8 | 17 | 21000/21000 | 1 | 4.6 | 1.6 | 520/520 | 3 | 29 | 68 | 85 | 50 | 33 | 21 | 6 | 4 | KCL-POLYMER |
| 860610 | 3737 | 1.93 | 35 | 6 | 2 | 6 | 10.5 | 4.8 | 18.5 | 21000/21000 | 0.5 | 1.2 | 1 | 200/200 | 1 | 29 | 70 | | | | | | | KCL-POLYMER |
| 860611 | 3737 | 1.93 | 32 | 7 | 2 | 9 | 9.8 | 4.8 | 19 | 16000/16000 | 0.5 | 1 | 1 | 240/240 | 0 | 30 | 70 | | | | | | | KCL-POLYMER |
| 860612 | 3737 | 1.93 | 31 | 6 | 2 | 8 | 10.5 | 4.9 | 19 | 16000/16000 | 0.5 | 1 | 1 | 240/240 | | 30 | | 74 | 43 | 34 | 20 | 6 | 3 | Ligno |
| 860613 | 3737 | 1.93 | 33 | 5 | 2 | 6 | 10.5 | 4.8 | 19 | 18000/18000 | 0.5 | 1 | 0.9 | 240/240 | | 30 | | 78 | 45 | 33 | 21 | 6 | 3 | Ligno |
| 860614 | 3737 | 1.93 | 32 | 7 | 4 | 15 | 9.9 | 6 | 20 | 15000/15000 | 0.2 | 0.9 | 0.9 | 600/600 | | 30 | | 78 | 46 | 35 | 22 | 7 | 5 | Ligno |
| 860615 | 3737 | 1.93 | 32 | 8 | 5 | 20 | 9.7 | 6.5 | 21 | 15000/15000 | 0.1 | 0.8 | 0.6 | 600/600 | | 30 | | 80 | 48 | 36 | 23 | 8 | 5 | Ligno |
| 860616 | 3737 | 1.93 | 32 | 5 | 3 | 12 | 11.5 | 10 | 30 | 10000/10000 | 0.6 | 2.3 | 1.2 | 320/320 | | 30 | | | | | | | | Ligno |
| 860617 | 3737 | 1.93 | 31 | 5 | 3 | 13 | 11.5 | 10 | 30 | 12000/12000 | 0.6 | 2.1 | 1.1 | 320/320 | | 30 | | | | | | | | Ligno |
| 860618 | 3737 | 1.93 | 33 | 5 | 3 | 15 | 10 | 5 | 20 | 13000/13000 | 0.5 | 2 | 1.1 | 520/520 | | 30 | | | | | | | | Ligno |
| 860619 | 3737 | 1.93 | 32 | 5 | 2 | 15 | 9.7 | 6 | 23 | 13000/13000 | 0.3 | 0.9 | 0.6 | 560/560 | | 30 | | | | | | | | Ligno |
| 860620 | 3737 | 1.93 | 33 | 5 | 3 | 15 | 9.6 | 6.2 | 23 | 12000/12000 | 0.3 | 0.9 | 0.6 | 560/560 | | 30 | | | | | | | | LIGNO |
| 860621 | 3737 | 1.93 | 30 | 7 | 2 | 15 | 9.8 | 6 | 23 | 13000/13000 | 0.2 | 0.7 | 0.4 | 560/560 | | 30 | | | | | | | | LIGNO |
| 860622 | 3737 | 1.93 | 31 | 6 | 2 | 16 | 9.7 | 6 | 23 | 13000/13000 | 0.3 | 0.7 | 0.4 | 560/560 | | 30 | | | | | | | | LIGNO |
| 860623 | 3737 | 1.93 | 30 | 6 | 2 | 16 | 9.6 | 6 | 23 | 14000/14000 | 0.2 | 0.7 | 0.4 | 580/580 | | 30 | | | | | | | | LIGNO |
| 860624 | 3737 | 1.93 | 30 | 6 | 2 | 15 | 9.6 | 6 | 23 | 13000/13000 | 0.2 | 0.7 | 0.4 | 580/580 | | 30 | | | | | | | | LIGNO |
| 860625 | 3737 | 1.93 | 29 | 6 | 2 | 14 | 9.6 | 6 | 23 | 14000/14000 | 0.2 | 0.7 | 0.4 | 580/580 | | 30 | | | | | | | | LIGNO |
| 860626 | 3737 | 1.93 | 32 | 6 | 3 | 16 | 9.4 | 5.6 | 22 | 14000/14000 | 0.2 | 0.7 | 0.5 | 580/580 | | 30 | | | | | | | | LIGNO |
| 860627 | 3390 | 1.95 | 31 | 7 | 2 | 16 | 9.6 | 5.6 | 22 | 12000/12000 | 0.2 | 0.6 | 0.5 | 460/460 | | 30 | | | | | | | | LIGNO |
| 860628 | 3816 | 1.95 | 32 | 6 | 2 | 14 | 11 | 7 | 23 | 12000/12000 | 0.6 | 2 | 1 | 180/180 | | 31 | | | | | | | | LIGNO |
| 860629 | 3848 | 2.02 | 44 | 9 | 2 | 25 | 10.4 | 5.8 | 23 | 12000/12000 | 0.4 | 1 | 0.9 | 160/160 | 1 | 32 | 67 | 106 | 62 | 45 | 29 | 6 | 4 | LIGNO |
| 860630 | 3904 | 2.05 | 48 | 9 | 3 | 30 | 9.9 | 5.2 | 21 | 12000/12000 | 0.3 | 0.8 | 0.6 | 220/220 | 1 | 32 | 67 | 113 | 65 | 48 | 30 | 9 | 6 | LIGNO |
| 860701 | 3956 | 2.07 | 46 | 8 | 4 | 32 | 9.8 | 5.4 | 20 | 12000/12000 | 0.3 | 0.7 | 0.4 | 220/220 | | 34 | | 98 | 52 | 40 | 30 | 11 | 8 | LIGNO |

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# Daily mud properties

System : Boredata Sandnes

Well: 2/11-7
Mud Contractor: promud a/s

Date
10/11-1986



| Date | Mid. depth m,MD | Mud dens. (SG) | PV cps | YP mPa | GEL 0 mPa | GEL 10 mPa | Ph | 100 psi (cc) | HP/HT (cc) | Cl- inn/out mg/l | Alkalinity Pf | Alkalinity Pm | Alkalinity Mf | Ca++ inn/out mg/l | Oil % | Sol % | H2O % | V.G. meter at 115 gr. F 600 rpm | 300 rpm | 200 rpm | 100 rpm | 6 rpm | 3 rpm | Mud type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 860702 | 3965 | 2.1 | 39 | 7 | 2 | 12 | 10.3 | 5.2 | 20 | 12000/12000 | 0.4 | 0.8 | 0.6 | 220/220 | | 36 | | 92 | 53 | 40 | 28 | 51 | 2 | LIGNO |
| 860703 | 3956 | 2.1 | 38 | 7 | 2 | 13 | 10.1 | 5.4 | 20 | 12000/12000 | 0.3 | 0.8 | 0.6 | 220/220 | | 36 | | 92 | 52 | 38 | 27 | 5 | 2 | LIGNO |
| 860704 | 3965 | 2.1 | 36 | 7 | 2 | 11 | 10.2 | 5.6 | 21 | 11000/11000 | 0.4 | 0.7 | 0.7 | 180/180 | 0 | 35 | 65 | 85 | 49 | 34 | 25 | 5 | 2 | LIGNO |
| 860705 | 3965 | 2.1 | 28 | 6 | 2 | 10 | 10.5 | 5 | 20.4 | 12000/12000 | 0.5 | 0.9 | 0.8 | 180/180 | 1 | 35 | 64 | 68 | 40 | 23 | 17 | 5 | 2 | LIGNO |
| 860706 | 3965 | 2.1 | 24 | 6 | 2 | 9 | 10.7 | 5 | 20 | 11000/11000 | 0.5 | 0.92 | 0.9 | 200/200 | 1 | 35 | 64 | 59 | 35 | 23 | 15 | 5 | 2 | LIGNO |
| 860707 | 3965 | 2.1 | 25 | 6 | 2 | 9 | 10.4 | 4.6 | | 11000/11000 | 0.4 | 0.9 | 0.8 | 160/160 | 1 | 34 | 65 | 65 | 38 | 28 | 15 | 5 | 2 | LIGNO |
| 860708 | 3965 | 2.1 | 24 | 7 | 2 | 10 | 10.2 | 4.6 | 19 | 11000/11000 | 0.4 | 0.8 | 0.6 | 160/160 | 1 | 35 | 64 | 61 | 37 | 22 | 14 | 5 | 2 | LIGNO |
| 860709 | 3965 | 2.1 | 25 | 6 | 2 | 10 | 10.3 | 5 | | 11000/11000 | 0.4 | 0.8 | 0.8 | 180/180 | 1 | 35 | 64 | 62 | 37 | 24 | 15 | 5 | 2 | LIGNO |
| 860710 | 3965 | 2.1 | 24 | 6 | 2 | 9 | 10.2 | 5 | | 11000/11000 | 0.4 | 0.8 | 0.7 | 180/180 | 1 | 35 | 64 | 60 | 36 | 23 | 13 | 5 | 2 | LIGNO |
| 860711 | 3965 | 2.1 | 30 | 6 | 2 | 15 | 11 | 4.8 | 19.4 | 11000/11000 | 0.7 | 1.9 | 1.1 | 220/220 | 1 | 35 | 64 | 72 | 42 | 28 | 17 | 6 | 3 | LIGNO |
| 860712 | 3965 | 2.1 | 25 | 6 | 2 | 12 | 10.8 | 4.8 | | 11000/11000 | 0.6 | 1.7 | 1 | 200/200 | 1 | 35 | 64 | | | | | | | LIGNO |
| 860713 | 3965 | 2.1 | 24 | 6 | 2 | 10 | 10.8 | 4.8 | | 11000/11000 | 0.6 | 1.7 | 0.9 | 200/200 | 1 | 35 | 64 | | | | | | | LIGNO |
| 860714 | 3965 | 2.1 | 26 | 6 | 2 | 10 | 10.7 | 4.8 | | 11000/11000 | 0.6 | 1.6 | 0.9 | 200/200 | 1 | 35 | 64 | | | | | | | LIGNO |
| 860715 | 3965 | 2.1 | 21 | 6 | 2 | 9 | 10.6 | 5 | 19.4 | 11000/11000 | 0.5 | 1 | 1 | 180/180 | 1 | 35 | 64 | 53 | 32 | 20 | 12 | 5 | 2 | LIGNO |
| 860716 | 3968 | 2.14 | 22 | 4 | 2 | 6 | 10.7 | 4.8 | 19.2 | 11000/11000 | 0.5 | 1.3 | 0.9 | 160/160 | 1 | 35 | 64 | 52 | 30 | 20 | 11 | 3 | 2 | LIGNO |
| 860717 | 3968 | 2.14 | 23 | 4 | 2 | 9 | 10.8 | 5 | 19.6 | 11000/11000 | 0.6 | 1.4 | 1 | 200/200 | 1 | 36 | 63 | 54 | 31 | 21 | 12 | 4 | 2 | LIGNO |
| 860718 | 3980 | 2.12 | 21 | 3 | 2 | 6 | 11 | 7.2 | 24 | 12000/12000 | 0.6 | 1.9 | 1.3 | 200/200 | 1 | 35 | 64 | 48 | 27 | 20 | 11 | 3 | 2 | LIGNO |
| 860719 | 3983 | 2.12 | 21 | 3 | 2 | 6 | 11 | 7.2 | 24 | 12000/12000 | 0.6 | 1.9 | 1.2 | 220/220 | 3 | 33 | 64 | 49 | 28 | 20 | 12 | 4 | 2 | LIGNO |
| 860720 | 4006 | 2.09 | 20 | 3 | 2 | 6 | 10 | 5.2 | 21 | 12000/12000 | 0.4 | 1.5 | 0.9 | 300/300 | 3 | 33 | 64 | | | | | | | LIGNO |
| 860721 | 4062 | 2.09 | 25 | 5 | 3 | 9 | 10.5 | 4.1 | 18 | 12000/12000 | 0.2 | 1.1 | 1.1 | 320/320 | 2 | 30 | 68 | 59 | 34 | 24 | 15 | 5 | 3 | LIGNO |
| 860722 | 4088 | 2.09 | 34 | 7 | 3 | 13 | 10.5 | 3.3 | 17 | 12000/12000 | 0.4 | 1.1 | 1.1 | 350/350 | 2 | 31 | 67 | 81 | 47 | 35 | 20 | 7 | 4 | LIGNO |
| 860723 | 4088 | 2.09 | 41 | 7 | 3 | 9 | 10 | 2.5 | 13 | 12000/12000 | 0.6 | 1.4 | 1.6 | 225/225 | 7 | 33 | 60 | 95 | 54 | 41 | 21 | 8 | 4 | LIGNO |
| 860724 | 4088 | 2.09 | 40 | 8 | 2 | 6 | 10.5 | 2.2 | 12 | 12000/12000 | 0.6 | 1.6 | 1.4 | 250/250 | 7 | 33 | 60 | 95 | 55 | 40 | 23 | 8 | 4 | LIGNO |
| 860725 | 4088 | 2.09 | 36 | 7 | 3 | 8 | 11 | 2.2 | 13 | 12000/12000 | 1.2 | 2 | 1.9 | 100/100 | 7 | 33 | 60 | 85 | 49 | 35 | 20 | 8 | 4 | LIGNO |
| 860726 | 4088 | 2.09 | 34 | 5 | 3 | 6 | 11 | 2.5 | 11 | 12000/12000 | 1.2 | 2 | 1.7 | 125/125 | 7 | 33 | 60 | | | | | | | LIGNO |
| 860727 | 4088 | 2.09 | 30 | 5 | 3 | 7 | 11 | 2.6 | 12 | 12000/12000 | 1.6 | 2 | 1.9 | 350/350 | 7 | 33 | 60 | 70 | 40 | 32 | 19 | 9 | 6 | LIGNO |
| 860728 | 4088 | 2.09 | 30 | 5 | 3 | 7 | 11 | 2.7 | 12 | 12000/12000 | 1.5 | 2 | 1.8 | 250/250 | 7 | 33 | 60 | 70 | 40 | 32 | 19 | 8 | 6 | LIGNO |
| 860729 | 4088 | 2.09 | 26 | 5 | 3 | 6 | 11.5 | 3.2 | 13 | 13000/13000 | 0.7 | 2.5 | 1.7 | 160/160 | 6 | 33 | 61 | 61 | 35 | 25 | 16 | 8 | 3 | LIGNO |
| 860730 | 4091 | 2.09 | 29 | 3 | 2 | 7 | 11.5 | 2.8 | 13 | 12000/12000 | 0.6 | 2.4 | 1.7 | 240/240 | 6 | 33 | 61 | 64 | 35 | 24 | 15 | 8 | 3 | LIGNO |
| 860731 | 4133 | 2.09 | 26 | 3 | 2 | 4 | 11 | 2.8 | 12 | 12000/12000 | 0.6 | 2.1 | 1.2 | 400/400 | 5 | 33 | 62 | 58 | 32 | 23 | 15 | 7 | 3 | LIGNO |
| 860801 | 4234 | 2.09 | 25 | 4 | 3 | 6 | 10.9 | 2.4 | 11 | 12000/12000 | 0.6 | 1.6 | 1.7 | 130/130 | 5 | 33 | 62 | 58 | 33 | 24 | 13 | 6 | 3 | LIGNO |
| 860802 | 4304 | 2.09 | 27 | 4 | 3 | 7 | 10.8 | 2.4 | 11 | 12000/12000 | 0.8 | 2.2 | 1.8 | 360/360 | 4 | 33 | 63 | 63 | 35 | 24 | 15 | 7 | 3 | LIGNO |
| 860803 | 4397 | 2.1 | 26 | 4 | 3 | 6 | 10.5 | 2.6 | 11 | 12000/12000 | 0.6 | 2.6 | 2.1 | 200/200 | 5 | 33 | 62 | 60 | 34 | 25 | 15 | 7 | 3 | LIGNO |
| 860804 | 4484 | 2.12 | 29 | 4 | 3 | 8 | 10.9 | 2.6 | 13.5 | 12000/12000 | 0.8 | 2.7 | 2.5 | 260/260 | 4 | 35 | 61 | 65 | 36 | 26 | 15 | 8 | 3 | LIGNO |
| 860805 | 4567 | 2.12 | 29 | 4 | 3 | 7 | 11 | 2.6 | 14 | 12000/12000 | 1 | 2.9 | 2.6 | 220/220 | 4 | 35 | 61 | 65 | 36 | 26 | 15 | 8 | 3 | LIGNO |
| 860806 | 4623 | 2.12 | 29 | 4 | 3 | 8 | 10.8 | 2.4 | 14 | 12000/12000 | 0.9 | 2.9 | 2.5 | 320/320 | 5 | 35 | 60 | 66 | 37 | 27 | 16 | 8 | 3 | LIGNO |
| 860807 | 4647 | 2.12 | 29 | 4 | 3 | 6 | 11 | 2.6 | 14 | 12000/12000 | 0.8 | 2.9 | 2.7 | 280/280 | 5 | 35 | 60 | 65 | 36 | 25 | 15 | 8 | 3 | LIGNO |
| 860808 | 4660 | 2.12 | 29 | 4 | 2 | 5 | 10.3 | 2.4 | 14 | 12000/12000 | 0.7 | 2.1 | 2 | 300/300 | 5 | 35 | 60 | 65 | 36 | 25 | 15 | 5 | 3 | LIGNO |
| 860809 | 4660 | 2.1 | 29 | 5 | 2 | 5 | 10.2 | 2.3 | 14 | 12000/12000 | 0.7 | 1.8 | 1.8 | 320/320 | 5 | 35 | 60 | 67 | 38 | 28 | 16 | 5 | 3 | LIGNO |
| 860810 | 4744 | 2.1 | 28 | 5 | 2 | 4 | 10.7 | 2.6 | 14.4 | 12000/12000 | 0.7 | 1.7 | 1 | 340/340 | 4 | 35 | 61 | 65 | 37 | 26 | 15 | 5 | 2 | LIGNO |

(((
(ooo)
Norsk Hydro

# Daily mud properties

System : Boredata Sandnes

Well: 2/11-7
Mud Contractor: promud a/s

Date 10/11-1986

14 3

| Date | Mid. depth m,MD | Mud dens. (SG) | PV cps | YP mPa | GEL 0 mPa | GEL 10 mPa | Ph | 100 psi (cc) | HP/HT (cc) | Cl- inn/out mg/l | Alkalinity Pf | Alkalinity Pm | Alkalinity Mf | Ca++ inn/out mg/l | Oil % | Sol % | H2O % | V.G. meter at 115 gr. F 600 rpm | 300 rpm | 200 rpm | 100 rpm | 6 rpm | 3 rpm | Mud type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 860811 | 4828 | 2.1 | 29 | 5 | 2 | 5 | 10.7 | 2.8 | 14 | 12000/12000 | 0.7 | 1.4 | 1.1 | 300/300 | 4 | 35 | 61 | 67 | 38 | 27 | 16 | 5 | 2 | LIGNO |
| 860812 | 4897 | 2.11 | 30 | 5 | 2 | 5 | 10.5 | 2.6 | 14 | 12000/12000 | 0.7 | 1.3 | 1 | 320/320 | 4 | 35 | 61 | 69 | 39 | 27 | 17 | 6 | 3 | LIGNO |
| 860813 | 4951 | 2.12 | 34 | 5 | 2 | 6 | 10.7 | 2.8 | 14 | 12000/12000 | 0.7 | 1.3 | 1.2 | 300/300 | 4 | 35 | 61 | 77 | 43 | 32 | 20 | 6 | 2 | LIGNO |
| 860814 | 5011 | 2.12 | 29 | 4 | 2 | 6 | 10.5 | 2.6 | 14 | 12000/12000 | 0.7 | 1.3 | 1.1 | 280/280 | 4 | 35 | 61 | 66 | 37 | 25 | 19 | 6 | 3 | LIGNO |
| 860815 | 5042 | 2.13 | 31 | 5 | 2 | 7 | 10.5 | 2.6 | 14 | 12000/12000 | 0.7 | 1.3 | 1.2 | 280/280 | 4 | 35 | 61 | 71 | 40 | 31 | 20 | 6 | 3 | LIGNO |
| 860816 | 5042 | 2.13 | 26 | 4 | 2 | 5 | 10.9 | 2 | 14 | 12000/12000 | 1 | 2.4 | 2.2 | 340/340 | 4 | 35 | 61 | 60 | 34 | 25 | 14 | 5 | 3 | LIGNO |
| 860817 | 5042 | 2.13 | 24 | 4 | 2 | 5 | 11 | 2.2 | 14 | 12000/12000 | 1 | 2.4 | 2 | 340/340 | 4 | 35 | 61 | 56 | 32 | 23 | 13 | 5 | 2 | LIGNO |
| 860818 | 5042 | 2.13 | 27 | 5 | 2 | 6 | 10.6 | 2 | | 12000/12000 | 0.8 | 1.7 | 1.7 | 300/300 | 4 | 35 | 61 | 63 | 36 | 26 | 17 | 5 | 3 | LIGNO |
| 860819 | 5042 | 2.13 | 26 | 5 | 2 | 6 | 11 | 2.2 | 14 | 12000/12000 | 1 | 1.9 | 1.9 | 280/280 | 4 | 35 | 61 | 61 | 35 | 23 | 14 | 5 | 2 | LIGNO |
| 860820 | 5042 | 2.13 | 27 | 4 | 2 | 7 | 10.9 | 2.6 | 14 | 11000/11000 | 1.2 | 1.8 | 1.8 | 260/260 | 4 | 35 | 61 | 61 | 34 | 25 | 16 | 4 | 2 | LIGNO |
| 860821 | 5042 | 2.13 | 29 | 5 | 2 | 7 | 10.7 | 2.8 | 14 | 11000/11000 | 0.9 | 1.3 | 1.3 | 240/240 | 4 | 35 | 61 | 68 | 39 | 29 | 18 | 7 | 3 | LIGNO |
| 860822 | 5042 | 2.13 | 27 | 5 | 2 | 6 | 11 | 2.2 | 14 | 11000/11000 | 1.2 | 1.4 | 1.4 | 200/200 | 4 | 35 | 61 | | | | | | | LIGNO |
| 860823 | 5042 | 2.13 | 27 | 4 | 2 | 6 | 11 | 2.4 | 14 | 11000/11000 | 1 | 1.4 | 1.4 | 200/200 | 4 | 35 | 61 | | | | | | | LIGNO |
| 860824 | 5042 | 2.13 | 33 | 6 | 4 | 10 | 10.8 | 2.2 | 13.8 | 11000/11000 | 1.3 | 1.8 | 1.8 | 240/240 | 6 | 35 | 59 | | | | | | | LIGNO |
| 860825 | 5042 | 2.14 | 28 | 7 | 2 | 10 | 10.8 | 1.4 | 13.8 | 11000/11000 | 1.8 | 2.4 | 2.4 | 220/220 | 8 | 35 | 57 | | | | | | | LIGNO |
| 860826 | 5042 | 2.14 | 26 | 6 | 2 | 6 | 10.8 | 1.2 | 13.6 | 11000/11000 | 2 | 2 | 2.6 | 220/220 | 8 | 36 | 56 | 63 | 37 | 26 | 17 | 3 | 2 | LIGNO |
| 860827 | 5042 | 2.14 | 29 | 6 | 2 | 6 | 10.6 | 1.4 | | 11000/11000 | 1.6 | 1.8 | 1.8 | 220/220 | 8 | 36 | 56 | 70 | 41 | 30 | 21 | 6 | 3 | LIGNO |
| 860828 | 5042 | 2.14 | 24 | 5 | 2 | 5 | 10.7 | 1.5 | 13.8 | 11000/11000 | 1.4 | 2.2 | 2.2 | 200/200 | 8 | 36 | 56 | 58 | 34 | 25 | 14 | 5 | 2 | LIGNO |
| 860829 | 5042 | 2.14 | 26 | 5 | 2 | 10 | 11.5 | 2.7 | 14 | 11000/11000 | 1.7 | 3.2 | 2.8 | /280 | 8 | 36 | 56 | | | | | | | LIGNO |
| 860830 | 3735 | 1.95 | 20 | 4 | 2 | 5 | 11 | 4.9 | | /10000 | 1.4 | 2.6 | 2 | /260 | 4 | 31 | 65 | 54 | 34 | 24 | 17 | 8 | 4 | LIGNO |
| 860831 | 3735 | 1.95 | 21 | 3 | 2 | 6 | 11 | 5 | | /11000 | 1.3 | 2.7 | 2.5 | /360 | 4 | 31 | 65 | | | | | | | LIGNO |
| 860901 | 3735 | 1.95 | 21 | 3 | 2 | 5 | 11 | 5.5 | | /11000 | 1.1 | 2.6 | 2.3 | /320 | 4 | 31 | 65 | 48 | 27 | 19 | 14 | 8 | 4 | LIGNO |
| 860902 | 152 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | LIGNO |
| 860903 | 152 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | LIGNO |
| 860904 | 152 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | LIGNO |
| 860905 | 104 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | LIGNO |
| 860906 | 0 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | LIGNO |

TABLE B-7

TOTAL MUD MATERIALS CONSUMPTION

| Product | no. units | size of units |
|---|---|---|
| Barite | 6014 | mt |
| Bentonite | 170 | mt |
| NaOH | 408 | 25 kg |
| Soda Ash | 62 | 50 kg |
| Lime | 60 | 20 kg |
| Milpolymer 302 | 238 | 25 kg |
| Drispac Reg | 274 | 25 kg |
| Drispac S/L | 629 | 25 kg |
| XC-polymer | 25 | 25 kg |
| Permalose | 510 | 25 kg |
| KCl | 4945 | 50 kg |
| KCl-brine | 3932 | bbl |
| Probio | 3 | 200 l |
| Bicarbonate | 125 | 50 kg |
| Defoamer | 120 | 27 l |
| Soltex | 222 | 25 kg |
| Nutplug | 82 | 25 kg |
| Nutplug F | 146 | 25 kg |
| Mica C | 176 | 25 kg |
| Mica F | 272 | 25 kg |
| Prothin | 1105 | 25 kg |
| Ligcon | 604 | 25 kg |
| Miltemp | 423 | 25 kg |
| Chemtrol | 653 | 25 kg |
| Deaseal D | 62 | 25 kg |
| Aluminium stearate | 10 | 25 kg |
| Carbomul | 12 | bbl |
| IMCO spot | 25 | 25 kg |
| SAPP | 9 | 50 kg |

V-573

Norsk Hydro

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3

## Rapport/Report

Fortrolig/ Confidential ☒

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A. Kullerud (Væ)
H. Nes (Væ)
Statoil (2)
Mobil (2)
Conoco (2)
Saga (2)
O.D. (1)

Tittel/Forfatter(e)
Title/Author(s)

# GEOCHEMICAL EVALUATION OF WELL 2/11-7

BY

J.B. Olsen, N. Telnæs and T. Ramdahl
Projectleader: N. Telnæs

Sign.

NTE



Resymé Konklusjon Anbefaling
Summary Conclusion Recommendation

Emneord/Key words
Source rock evaluation
Maturity, Biomarkers

Emnekategori/Subject category
Petroleum Geochemistry

Divisjon Seksjon Avdeling
Divisjon Section Dept.
Geosection
Pertoleum Geochem

Kvadrant Blokk - Brønn
Quadrant Block - Well
2/11-7

Dato/Date
10-2-87

Side/Pages - Appendix
24

Godkjent sign./Approved sign.
F. Rucks

Prosjekt nr./Project nr.
RA 520

Liste nr./List no.
PE 068

Revisjons nr./Revision no

5515 11-85 10.000 Reklametrykk Grafisk A.s

# I. INTRODUCTION

This report gives the results of the source rock evaluation and maturity estimations in well 2/11-7. The results are correlated with the previously analysed well GERT-1 in the Danish Sector.

Well 2/11-7 was drilled by Norsk Hydro Produksjon A/S and was spudded 16. april 1986 and reached TD at 5042 m

A well location map for 2/11-7 and GERT-1 is given in Fig. I.1.

Oilshow analysis of the well was undertaken on the rig by EXLOG. Based on these results intervals to be covered by Side Wall Cores were selected. Selected SWC's, drillcuttings (DC) and Coresamples (CC) were analysed by Geochem Laboratories. The remainder of the analytical work and the compilation of this report has been carried out at Norsk Hydro Research Center in Bergen, Norway.

A list of samples selected for geochemical analysis is given in Table I.1.

## LIST OF TABLES

Table I.1

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 1030.0 | 1040.0 | DC | | EXLOG | | | | |
| 1040.0 | 1050.0 | DC | | EXLOG | | | | |
| 1050.0 | 1060.0 | DC | | EXLOG | | | | |
| 1060.0 | 1070.0 | DC | | EXLOG | | | | |
| 1070.0 | 1080.0 | DC | | EXLOG | | | | |
| 1080.0 | 1090.0 | DC | | EXLOG | | | | |
| 1090.0 | 1100.0 | DC | | EXLOG | | | | |
| 1100.0 | 1110.0 | DC | | EXLOG | | | | |
| 1110.0 | 1120.0 | DC | | EXLOG | | | | |
| 1120.0 | 1130.0 | DC | | EXLOG | | | | |
| 1130.0 | 1140.0 | DC | | EXLOG | | | | |
| 1140.0 | 1150.0 | DC | | EXLOG | | | | |
| 1150.0 | 1160.0 | DC | | EXLOG | | | | |
| 1160.0 | 1170.0 | DC | | EXLOG | | | | |
| 1170.0 | 1180.0 | DC | | EXLOG | | | | |
| 1180.0 | 1190.0 | DC | | EXLOG | | | | |
| 1190.0 | 1200.0 | DC | | EXLOG | | | | |
| 1200.0 | 1210.0 | DC | | EXLOG | | | | |
| 1210.0 | 1220.0 | DC | | EXLOG | | | | |
| 1220.0 | 1230.0 | DC | | EXLOG | | | | |
| 1230.0 | 1240.0 | DC | | EXLOG | | | | |
| 1240.0 | 1250.0 | DC | | EXLOG | | | | |
| 1250.0 | 1260.0 | DC | | EXLOG | | | | |
| 1260.0 | 1270.0 | DC | | EXLOG | | | | |
| 1270.0 | 1280.0 | DC | | EXLOG | | | | |
| 1280.0 | 1290.0 | DC | | EXLOG | | | | |
| 1290.0 | 1300.0 | DC | | EXLOG | | | | |
| 1300.0 | 1310.0 | DC | | EXLOG | | | | |
| 1310.0 | 1320.0 | DC | | EXLOG | | | | |
| 1320.0 | 1330.0 | DC | | EXLOG | | | | |
| 1330.0 | 1340.0 | DC | | EXLOG | | | | |
| 1340.0 | 1350.0 | DC | | EXLOG | | | | |
| 1350.0 | 1360.0 | DC | | EXLOG | | | | |
| 1360.0 | 1370.0 | DC | | EXLOG | | | | |
| 1370.0 | 1380.0 | DC | | EXLOG | | | | |
| 1380.0 | 1390.0 | DC | | EXLOG | | | | |
| 1390.0 | 1400.0 | DC | | EXLOG | | | | |
| 1400.0 | 1410.0 | DC | | EXLOG | | | | |
| 1410.0 | 1420.0 | DC | | EXLOG | | | | |
| 1420.0 | 1430.0 | DC | | EXLOG | | | | |
| 1430.0 | 1440.0 | DC | | EXLOG | | | | |
| 1440.0 | 1450.0 | DC | | EXLOG | | | | |
| 1450.0 | 1460.0 | DC | | EXLOG | | | | |
| 1460.0 | 1470.0 | DC | | EXLOG | | | | |
| 1470.0 | 1480.0 | DC | | EXLOG | | | | |
| 1480.0 | 1490.0 | DC | | EXLOG | | | | |
| 1490.0 | 1500.0 | DC | | EXLOG | | | | |
| 1500.0 | 1510.0 | DC | | EXLOG | | | | |
| 1510.0 | 1520.0 | DC | | EXLOG | | | | |
| 1520.0 | 1530.0 | DC | | EXLOG | | | | |
| 1530.0 | 1540.0 | DC | | EXLOG | | | | |
| 1540.0 | 1550.0 | DC | | EXLOG | | | | |
| 1550.0 | 1560.0 | DC | | EXLOG | | | | |
| 1560.0 | 1570.0 | DC | | EXLOG | | | | |
| 1570.0 | 1580.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 1580.0 | 1590.0 | DC | | EXLOG | | | | |
| 1590.0 | 1600.0 | DC | | EXLOG | | | | |
| 1600.0 | 1610.0 | DC | | EXLOG | | | | |
| 1610.0 | 1620.0 | DC | | EXLOG | | | | |
| 1620.0 | 1630.0 | DC | | EXLOG | | | | |
| 1630.0 | 1640.0 | DC | | EXLOG | | | | |
| 1640.0 | 1650.0 | DC | | EXLOG | | | | |
| 1650.0 | 1660.0 | DC | | EXLOG | | | | |
| 1660.0 | 1670.0 | DC | | EXLOG | | | | |
| 1670.0 | 1680.0 | DC | | EXLOG | | | | |
| 1680.0 | 1690.0 | DC | | EXLOG | | | | |
| 1680.0 | 1690.0 | DC | | GEOCHEM | | | | |
| 1690.0 | 1700.0 | DC | | EXLOG | ● | ● | ● | ● |
| 1700.0 | 1710.0 | DC | | EXLOG | | | | |
| 1710.0 | 1720.0 | DC | | EXLOG | | | | |
| 1720.0 | 1730.0 | DC | | EXLOG | | | | |
| 1730.0 | 1740.0 | DC | | EXLOG | | | | |
| 1740.0 | 1750.0 | DC | | EXLOG | | | | |
| 1750.0 | 1760.0 | DC | | EXLOG | | | | |
| 1760.0 | 1770.0 | DC | | EXLOG | | | | |
| 1770.0 | 1780.0 | DC | | EXLOG | | | | |
| 1780.0 | 1790.0 | DC | | EXLOG | | | | |
| 1780.0 | 1790.0 | DC | | GEOCHEM | | | | |
| 1790.0 | 1800.0 | DC | | EXLOG | ● | ● | ● | ● |
| 1800.0 | 1810.0 | DC | | EXLOG | | | | |
| 1810.0 | 1820.0 | DC | | EXLOG | | | | |
| 1820.0 | 1830.0 | DC | | EXLOG | | | | |
| 1830.0 | 1840.0 | DC | | EXLOG | | | | |
| 1840.0 | 1850.0 | DC | | EXLOG | | | | |
| 1850.0 | 1860.0 | DC | | EXLOG | | | | |
| 1860.0 | 1870.0 | DC | | EXLOG | | | | |
| 1870.0 | 1880.0 | DC | | EXLOG | | | | |
| 1870.0 | 1880.0 | DC | | GEOCHEM | | | | |
| 1880.0 | 1900.0 | DC | | EXLOG | ● | ● | ● | ● |
| 1900.0 | 1910.0 | DC | | EXLOG | | | | |
| 1910.0 | 1920.0 | DC | | EXLOG | | | | |
| 1920.0 | 1930.0 | DC | | EXLOG | | | | |
| 1930.0 | 1940.0 | DC | | EXLOG | | | | |
| 1940.0 | 1950.0 | DC | | EXLOG | | | | |
| 1950.0 | 1960.0 | DC | | EXLOG | | | | |
| 1960.0 | 1970.0 | DC | | EXLOG | | | | |
| 1970.0 | 1980.0 | DC | | EXLOG | | | | |
| 1980.0 | 1990.0 | DC | | EXLOG | | | | |
| 1990.0 | 2000.0 | DC | | EXLOG | | | | |
| 1990.0 | 2000.0 | DC | | GEOCHEM | | | | |
| 2000.0 | 2010.0 | DC | | EXLOG | ● | ● | ● | ● |
| 2010.0 | 2020.0 | DC | | EXLOG | | | | |
| 2020.0 | 2030.0 | DC | | EXLOG | | | | |
| 2030.0 | 2040.0 | DC | | EXLOG | | | | |
| 2040.0 | 2050.0 | DC | | EXLOG | | | | |
| 2050.0 | 2060.0 | DC | | EXLOG | | | | |
| 2060.0 | 2070.0 | DC | | EXLOG | | | | |
| 2070.0 | 2080.0 | DC | | EXLOG | | | | |
| 2080.0 | 2090.0 | DC | | EXLOG | | | | |
| 2090.0 | 2100.0 | DC | | EXLOG | | | | |
| 2100.0 | 2110.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 2110.0 | 2120.0 | DC | | EXLOG | | | | |
| 2120.0 | 2130.0 | DC | | EXLOG | | | | |
| 2130.0 | 2140.0 | DC | | EXLOG | | | | |
| 2140.0 | 2150.0 | DC | | EXLOG | | | | |
| 2150.0 | 2160.0 | DC | | EXLOG | | | | |
| 2160.0 | 2170.0 | DC | | EXLOG | | | | |
| 2170.0 | 2180.0 | DC | | EXLOG | | | | |
| 2180.0 | 2190.0 | DC | | EXLOG | | | | |
| 2190.0 | 2200.0 | DC | | EXLOG | | | | |
| 2200.0 | 2210.0 | DC | | EXLOG | | | | |
| 2210.0 | 2220.0 | DC | | EXLOG | | | | |
| 2210.0 | 2220.0 | DC | | GEOCHEM | | | | |
| 2220.0 | 2230.0 | DC | | EXLOG | ● | ● | ● | ● |
| 2230.0 | 2240.0 | DC | | EXLOG | | | | |
| 2240.0 | 2250.0 | DC | | EXLOG | | | | |
| 2250.0 | 2260.0 | DC | | EXLOG | | | | |
| 2260.0 | 2270.0 | DC | | EXLOG | | | | |
| 2270.0 | 2280.0 | DC | | EXLOG | | | | |
| 2280.0 | 2290.0 | DC | | EXLOG | | | | |
| 2290.0 | 2300.0 | DC | | EXLOG | | | | |
| 2300.0 | 2310.0 | DC | | EXLOG | | | | |
| 2310.0 | 2320.0 | DC | | EXLOG | | | | |
| 2320.0 | 2330.0 | DC | | EXLOG | | | | |
| 2330.0 | 2340.0 | DC | | EXLOG | | | | |
| 2340.0 | 2350.0 | DC | | EXLOG | | | | |
| 2350.0 | 2360.0 | DC | | EXLOG | | | | |
| 2360.0 | 2370.0 | DC | | EXLOG | | | | |
| 2370.0 | 2380.0 | DC | | EXLOG | | | | |
| 2380.0 | 2390.0 | DC | | EXLOG | | | | |
| 2390.0 | 2400.0 | DC | | EXLOG | | | | |
| 2400.0 | 2410.0 | DC | | EXLOG | | | | |
| 2410.0 | 2420.0 | DC | | EXLOG | | | | |
| 2420.0 | 2430.0 | DC | | EXLOG | | | | |
| 2430.0 | 2440.0 | DC | | EXLOG | | | | |
| 2440.0 | 2450.0 | DC | | EXLOG | | | | |
| 2450.0 | 2460.0 | DC | | EXLOG | | | | |
| 2460.0 | 2470.0 | DC | | EXLOG | | | | |
| 2470.0 | 2480.0 | DC | | EXLOG | | | | |
| 2480.0 | 2490.0 | DC | | EXLOG | | | | |
| 2490.0 | 2500.0 | DC | | EXLOG | | | | |
| 2500.0 | 2510.0 | DC | | EXLOG | | | | |
| 2510.0 | 2520.0 | DC | | EXLOG | | | | |
| 2520.0 | 2530.0 | DC | | EXLOG | | | | |
| 2530.0 | 2540.0 | DC | | EXLOG | | | | |
| 2540.0 | 2550.0 | DC | | EXLOG | | | | |
| 2550.0 | 2560.0 | DC | | EXLOG | | | | |
| 2550.0 | 2560.0 | DC | | GEOCHEM | | | | |
| 2560.0 | 2570.0 | DC | | EXLOG | ● | | | |
| 2570.0 | 2580.0 | DC | | EXLOG | | | | |
| 2580.0 | 2590.0 | DC | | EXLOG | | | | |
| 2590.0 | 2600.0 | DC | | EXLOG | | | | |
| 2600.0 | 2610.0 | DC | | EXLOG | | | | |
| 2610.0 | 2620.0 | DC | | EXLOG | | | | |
| 2620.0 | 2630.0 | DC | | EXLOG | | | | |
| 2630.0 | 2640.0 | DC | | EXLOG | | | | |
| 2640.0 | 2650.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 2650.0 | 2660.0 | DC | | EXLOG | | | | |
| 2660.0 | 2670.0 | DC | | EXLOG | | | | |
| 2670.0 | 2680.0 | DC | | EXLOG | | | | |
| 2680.0 | 2690.0 | DC | | EXLOG | | | | |
| 2690.0 | 2700.0 | DC | | EXLOG | | | | |
| 2700.0 | 2710.0 | DC | | EXLOG | | | | |
| 2710.0 | 2720.0 | DC | | EXLOG | | | | |
| 2720.0 | 2730.0 | DC | | EXLOG | | | | |
| 2730.0 | 2740.0 | DC | | EXLOG | | | | |
| 2740.0 | 2750.0 | DC | | EXLOG | | | | |
| 2750.0 | 2760.0 | DC | | EXLOG | | | | |
| 2760.0 | 2770.0 | DC | | EXLOG | | | | |
| 2770.0 | 2780.0 | DC | | EXLOG | | | | |
| 2780.0 | 2790.0 | DC | | EXLOG | | | | |
| 2790.0 | 2800.0 | DC | | EXLOG | | | | |
| 2800.0 | 2810.0 | DC | | EXLOG | | | | |
| 2810.0 | 2820.0 | DC | | EXLOG | | | | |
| 2820.0 | 2830.0 | DC | | EXLOG | | | | |
| 2830.0 | 2840.0 | DC | | EXLOG | | | | |
| 2840.0 | 2850.0 | DC | | EXLOG | | | | |
| 2850.0 | 2860.0 | DC | | EXLOG | | | | |
| 2860.0 | 2870.0 | DC | | EXLOG | | | | |
| 2870.0 | 2880.0 | DC | | EXLOG | | | | |
| 2880.0 | 2890.0 | DC | | EXLOG | | | | |
| 2890.0 | 2900.0 | DC | | EXLOG | | | | |
| 2900.0 | 2905.0 | DC | | EXLOG | | | | |
| 2905.0 | 2910.0 | DC | | EXLOG | | | | |
| 2910.0 | 2915.0 | DC | | EXLOG | | | | |
| 2915.0 | 2920.0 | DC | | EXLOG | | | | |
| 2915.0 | 2920.0 | DC | | GEOCHEM | ● | ● | ● | ● |
| 2920.0 | 2925.0 | DC | | EXLOG | | | | |
| 2925.0 | 2930.0 | DC | | EXLOG | | | | |
| 2930.0 | 2935.0 | DC | | EXLOG | | | | |
| 2935.0 | 2940.0 | DC | | EXLOG | | | | |
| 2940.0 | 2945.0 | DC | | EXLOG | | | | |
| 2945.0 | 2950.0 | DC | | EXLOG | | | | |
| 2950.0 | 2955.0 | DC | | EXLOG | | | | |
| 2955.0 | 2960.0 | DC | | EXLOG | | | | |
| 2960.0 | 2965.0 | DC | | EXLOG | | | | |
| 2965.0 | 2970.0 | DC | | EXLOG | | | | |
| 2965.0 | 2970.0 | DC | | GEOCHEM | | | | |
| 2970.0 | 2975.0 | DC | | EXLOG | ● | ● | ● | |
| 2975.0 | 2980.0 | DC | | EXLOG | | | | |
| 2980.0 | 2985.0 | DC | | EXLOG | | | | |
| 2985.0 | 2990.0 | DC | | EXLOG | | | | |
| 2990.0 | 2995.0 | DC | | EXLOG | | | | |
| 2995.0 | 3000.0 | DC | | EXLOG | | | | |
| 3000.0 | 3005.0 | DC | | EXLOG | | | | |
| 3005.0 | 3010.0 | DC | | EXLOG | | | | |
| 3010.0 | 3015.0 | DC | | EXLOG | | | | |
| 3015.0 | 3020.0 | DC | | EXLOG | | | | |
| 3020.0 | 3025.0 | DC | | EXLOG | | | | |
| 3025.0 | 3030.0 | DC | | EXLOG | | | | |
| 3030.0 | 3035.0 | DC | | EXLOG | | | | |
| 3035.0 | 3040.0 | DC | | EXLOG | | | | |
| 3040.0 | 3045.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 3045.0 | 3050.0 | DC | | EXLOG | | | | |
| 3050.0 | 3055.0 | DC | | EXLOG | | | | |
| 3055.0 | 3060.0 | DC | | EXLOG | | | | |
| 3060.0 | 3065.0 | DC | | EXLOG | | | | |
| 3065.0 | 3070.0 | DC | | EXLOG | | | | |
| 3070.0 | 3075.0 | DC | | EXLOG | | | | |
| 3075.0 | 3080.0 | DC | | EXLOG | | | | |
| 3080.0 | 3085.0 | DC | | EXLOG | | | | |
| 3085.0 | 3090.0 | DC | | EXLOG | | | | |
| 3090.0 | 3095.0 | DC | | EXLOG | | | | |
| 3095.0 | 3100.0 | DC | | EXLOG | | | | |
| 3100.0 | 3105.0 | DC | | EXLOG | | | | |
| 3105.0 | 3110.0 | DC | | EXLOG | | | | |
| 3110.0 | 3115.0 | DC | | EXLOG | | | | |
| 3115.0 | 3120.0 | DC | | EXLOG | | | | |
| 3120.0 | 3125.0 | DC | | EXLOG | | | | |
| 3125.0 | 3135.0 | DC | | EXLOG | | | | |
| 3135.0 | 3140.0 | DC | | EXLOG | | | | |
| 3140.0 | 3145.0 | DC | | EXLOG | | | | |
| 3145.0 | 3150.0 | DC | | EXLOG | | | | |
| 3150.0 | 3155.0 | DC | | EXLOG | | | | |
| 3155.0 | 3160.0 | DC | | EXLOG | | | | |
| 3160.0 | 3165.0 | DC | | EXLOG | | | | |
| 3165.0 | 3170.0 | DC | | EXLOG | | | | |
| 3170.0 | 3175.0 | DC | | EXLOG | | | | |
| 3175.0 | 3180.0 | DC | | EXLOG | | | | |
| 3180.0 | 3185.0 | DC | | EXLOG | | | | |
| 3185.0 | 3190.0 | DC | | EXLOG | | | | |
| 3190.0 | 3195.0 | DC | | EXLOG | | | | |
| 3195.0 | 3200.0 | DC | | EXLOG | | | | |
| 3200.0 | 3205.0 | DC | | EXLOG | | | | |
| 3205.0 | 3210.0 | DC | | EXLOG | | | | |
| 3210.0 | 3215.0 | DC | | EXLOG | | | | |
| 3215.0 | 3220.0 | DC | | EXLOG | | | | |
| 3220.0 | 3225.0 | DC | | EXLOG | | | | |
| 3225.0 | 3230.0 | DC | | EXLOG | | | | |
| 3230.0 | 3235.0 | DC | | EXLOG | | | | |
| 3235.0 | 3240.0 | DC | | EXLOG | | | | |
| 3240.0 | 3245.0 | DC | | EXLOG | | | | |
| 3245.0 | 3250.0 | DC | | EXLOG | | | | |
| 3250.0 | 3255.0 | DC | | EXLOG | | | | |
| 3255.0 | 3260.0 | DC | | EXLOG | | | | |
| 3260.0 | 3265.0 | DC | | EXLOG | | | | |
| 3265.0 | 3270.0 | DC | | EXLOG | | | | |
| 3270.0 | 3275.0 | DC | | EXLOG | | | | |
| 3275.0 | 3280.0 | DC | | EXLOG | | | | |
| 3280.0 | 3285.0 | DC | | EXLOG | | | | |
| 3285.0 | 3290.0 | DC | | EXLOG | | | | |
| 3290.0 | 3295.0 | DC | | EXLOG | | | | |
| 3295.0 | 3300.0 | DC | | EXLOG | | | | |
| 3300.0 | 3310.0 | DC | | EXLOG | | | | |
| 3310.0 | 3320.0 | DC | | EXLOG | | | | |
| 3320.0 | 3330.0 | DC | | EXLOG | | | | |
| 3330.0 | 3340.0 | DC | | EXLOG | | | | |
| 3340.0 | 3350.0 | DC | | EXLOG | | | | |
| 3350.0 | 3360.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 3360.0 | 3370.0 | DC | | EXLOG | | | | |
| 3370.0 | 3380.0 | DC | | EXLOG | | | | |
| 3380.0 | 3390.0 | DC | | EXLOG | | | | |
| 3390.0 | 3400.0 | DC | | EXLOG | | | | |
| 3400.0 | 3410.0 | DC | | EXLOG | | | | |
| 3410.0 | 3420.0 | DC | | EXLOG | | | | |
| 3420.0 | 3430.0 | DC | | EXLOG | | | | |
| 3430.0 | 3440.0 | DC | | EXLOG | | | | |
| 3440.0 | 3450.0 | DC | | EXLOG | | | | |
| 3450.0 | 3460.0 | DC | | EXLOG | | | | |
| 3460.0 | 3470.0 | DC | | EXLOG | | | | |
| 3470.0 | 3480.0 | DC | | EXLOG | | | | |
| 3480.0 | 3490.0 | DC | | EXLOG | | | | |
| 3490.0 | 3500.0 | DC | | EXLOG | | | | |
| 3500.0 | 3510.0 | DC | | EXLOG | | | | |
| 3510.0 | 3520.0 | DC | | EXLOG | | | | |
| 3520.0 | 3530.0 | DC | | EXLOG | | | | |
| 3530.0 | 3535.0 | DC | | EXLOG | | | | |
| 3535.0 | 3540.0 | DC | | EXLOG | | | | |
| 3535.0 | 3540.0 | DC | | GEOCHEM | | | | |
| 3540.0 | 3545.0 | DC | | EXLOG | ● | | ● | |
| 3545.0 | 3550.0 | DC | | EXLOG | | | | |
| 3550.0 | 3555.0 | DC | | EXLOG | | | | |
| 3555.0 | 3560.0 | DC | | EXLOG | | | | |
| 3560.0 | 3565.0 | DC | | EXLOG | | | | |
| 3565.0 | 3570.0 | DC | | EXLOG | | | | |
| 3570.0 | 3575.0 | DC | | EXLOG | | | | |
| 3575.0 | 3580.0 | DC | | EXLOG | | | | |
| 3580.0 | 3585.0 | DC | | EXLOG | | | | |
| 3585.0 | 3590.0 | DC | | EXLOG | | | | |
| 3590.0 | 3595.0 | DC | | EXLOG | | | | |
| 3595.0 | 3600.0 | DC | | EXLOG | | | | |
| 3595.0 | 3600.0 | DC | | GEOCHEM | | | | |
| 3600.0 | 3605.0 | DC | | EXLOG | ● | | | |
| 3605.0 | 3610.0 | DC | | EXLOG | | | | |
| 3610.0 | 3615.0 | DC | | EXLOG | | | | |
| 3615.0 | 3620.0 | DC | | EXLOG | | | | |
| 3620.0 | 3625.0 | DC | | EXLOG | | | | |
| 3625.0 | 3630.0 | DC | | EXLOG | | | | |
| 3630.0 | 3635.0 | DC | | EXLOG | | | | |
| 3635.0 | 3640.0 | DC | | EXLOG | | | | |
| 3640.0 | 3645.0 | DC | | EXLOG | | | | |
| 3645.0 | 3650.0 | DC | | EXLOG | | | | |
| 3650.0 | 3655.0 | DC | | EXLOG | | | | |
| 3655.0 | 3660.0 | DC | | EXLOG | | | | |
| 3660.0 | 3665.0 | DC | | EXLOG | | | | |
| 3665.0 | 3670.0 | DC | | EXLOG | | | | |
| 3665.0 | 3670.0 | DC | | GEOCHEM | | | | |
| 3670.0 | 3675.0 | DC | | EXLOG | ● | | ● | |
| 3675.0 | 3680.0 | DC | | EXLOG | | | | |
| 3680.0 | 3685.0 | DC | | EXLOG | | | | |
| 3685.0 | 3690.0 | DC | | EXLOG | | | | |
| 3690.0 | 3695.0 | DC | | EXLOG | | | | |
| 3695.0 | 3700.0 | DC | | EXLOG | | | | |
| 3700.0 | 3705.0 | DC | | EXLOG | | | | |
| 3705.0 | 3710.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 3710.0 | 3715.0 | DC | | EXLOG | | | | |
| 3715.0 | 3720.0 | DC | | EXLOG | | | | |
| 3720.0 | 3725.0 | DC | | EXLOG | | | | |
| 3725.0 | 3730.0 | DC | | EXLOG | | | | |
| 3730.0 | 3735.0 | DC | | EXLOG | | | | |
| 3735.0 | 3740.0 | DC | | EXLOG | | | | |
| 3740.0 | 3745.0 | DC | | EXLOG | | | | |
| 3745.0 | 3750.0 | DC | | EXLOG | | | | |
| 3750.0 | 3755.0 | DC | | EXLOG | | | | |
| 3756.0 | 3756.0 | SWC | | EXLOG | | | | |
| 3756.0 | 3760.0 | DC | | EXLOG | | | | |
| 3760.0 | 3765.0 | DC | | EXLOG | | | | |
| 3765.5 | 3765.5 | SWC | | EXLOG | | | | |
| 3765.5 | 3770.0 | DC | | EXLOG | | | | |
| 3774.0 | 3774.0 | SWC | | EXLOG | ● | ● | ● | ● |
| 3774.0 | 3774.0 | SWC | | GEOCHEM | | | | |
| 3774.0 | 3775.0 | DC | | EXLOG | | | | |
| 3778.5 | 3778.5 | SWC | | EXLOG | | | | |
| 3778.5 | 3778.5 | SWC | | GEOCHEM | ● | | ● | ● |
| 3778.5 | 3780.0 | DC | | EXLOG | | | | |
| 3780.0 | 3785.0 | DC | | EXLOG | | | | |
| 3785.0 | 3790.0 | DC | | EXLOG | | | | |
| 3792.5 | 3792.5 | SWC | | EXLOG | | | | |
| 3792.5 | 3792.5 | SWC | | GEOCHEM | ● | ● | ● | ● |
| 3792.5 | 3795.0 | DC | | EXLOG | | | | |
| 3795.0 | 3800.0 | DC | | EXLOG | | | | |
| 3795.0 | 3800.0 | DC | | GEOCHEM | | | | |
| 3800.5 | 3800.5 | SWC | | EXLOG | ● | | | |
| 3800.5 | 3802.0 | DC | | EXLOG | | | | |
| 3802.0 | 3805.0 | DC | | EXLOG | | | | |
| 3805.5 | 3805.5 | SWC | | EXLOG | | | | |
| 3805.5 | 3807.0 | DC | | EXLOG | | | | |
| 3807.0 | 3810.0 | DC | | EXLOG | | | | |
| 3810.0 | 3812.0 | DC | | EXLOG | | | | |
| 3814.0 | 3814.0 | SWC | | EXLOG | ● | ● | ● | ● |
| 3814.0 | 3814.0 | SWC | | GEOCHEM | | | | |
| 3814.0 | 3815.0 | DC | | EXLOG | | | | |
| 3815.0 | 3817.0 | DC | | EXLOG | | | | |
| 3817.0 | 3820.0 | DC | | EXLOG | | | | |
| 3817.0 | 3820.0 | DC | | GEOCHEM | | | | |
| 3820.0 | 3820.1 | DC | | EXLOG | ● | | ● | |
| 3820.1 | 3822.0 | DC | | EXLOG | | | | |
| 3822.0 | 3825.0 | DC | | EXLOG | | | | |
| 3825.0 | 3827.0 | DC | | EXLOG | | | | |
| 3827.0 | 3830.0 | DC | | EXLOG | | | | |
| 3827.0 | 3830.0 | DC | | GEOCHEM | | | | |
| 3830.0 | 3832.0 | DC | | EXLOG | ● | ● | ● | ● |
| 3832.0 | 3835.0 | DC | | EXLOG | | | | |
| 3835.0 | 3837.0 | DC | | EXLOG | | | | |
| 3837.0 | 3840.0 | DC | | EXLOG | | | | |
| 3840.0 | 3842.0 | DC | | EXLOG | | | | |
| 3842.0 | 3845.0 | DC | | EXLOG | | | | |
| 3845.0 | 3847.0 | DC | | EXLOG | | | | |
| 3847.0 | 3850.0 | DC | | EXLOG | | | | |
| 3850.0 | 3852.0 | DC | | EXLOG | | | | |
| 3852.0 | 3855.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 3855.0 | 3857.0 | DC | | EXLOG | | | | |
| 3857.0 | 3860.0 | DC | | EXLOG | | | | |
| 3860.0 | 3862.0 | DC | | EXLOG | | | | |
| 3862.0 | 3865.0 | DC | | EXLOG | | | | |
| 3865.0 | 3867.0 | DC | | EXLOG | | | | |
| 3867.0 | 3870.0 | DC | | EXLOG | | | | |
| 3870.0 | 3872.0 | DC | | EXLOG | | | | |
| 3872.0 | 3875.0 | DC | | EXLOG | | | | |
| 3875.0 | 3877.0 | DC | | EXLOG | | | | |
| 3877.0 | 3880.0 | DC | | EXLOG | | | | |
| 3877.0 | 3880.0 | DC | | GEOCHEM | | | | |
| 3880.0 | 3882.0 | DC | | EXLOG | ● | ● | ● | ● |
| 3882.0 | 3885.0 | DC | | EXLOG | | | | |
| 3885.0 | 3887.0 | DC | | EXLOG | | | | |
| 3887.0 | 3890.0 | DC | | EXLOG | | | | |
| 3890.0 | 3892.0 | DC | | EXLOG | | | | |
| 3892.0 | 3895.0 | DC | | EXLOG | | | | |
| 3895.0 | 3897.0 | DC | | EXLOG | | | | |
| 3897.0 | 3900.0 | DC | | EXLOG | | | | |
| 3900.0 | 3902.0 | DC | | EXLOG | | | | |
| 3902.0 | 3905.0 | DC | | EXLOG | | | | |
| 3905.0 | 3907.0 | DC | | EXLOG | | | | |
| 3907.0 | 3910.0 | DC | | EXLOG | | | | |
| 3910.0 | 3912.0 | DC | | EXLOG | | | | |
| 3912.0 | 3915.0 | DC | | EXLOG | | | | |
| 3915.0 | 3917.0 | DC | | EXLOG | | | | |
| 3917.0 | 3920.0 | DC | | EXLOG | | | | |
| 3920.0 | 3922.0 | DC | | EXLOG | | | | |
| 3922.0 | 3925.0 | DC | | EXLOG | | | | |
| 3925.0 | 3927.0 | DC | | EXLOG | | | | |
| 3927.0 | 3930.0 | DC | | EXLOG | | | | |
| 3930.0 | 3932.0 | DC | | EXLOG | | | | |
| 3932.0 | 3935.0 | DC | | EXLOG | | | | |
| 3935.0 | 3937.0 | DC | | EXLOG | | | | |
| 3937.0 | 3940.0 | DC | | EXLOG | | | | |
| 3940.0 | 3942.0 | DC | | EXLOG | | | | |
| 3942.0 | 3945.0 | DC | | EXLOG | | | | |
| 3945.0 | 3947.0 | DC | | EXLOG | | | | |
| 3947.0 | 3950.0 | DC | | EXLOG | | | | |
| 3950.0 | 3952.0 | DC | | EXLOG | | | | |
| 3952.0 | 3955.0 | DC | | EXLOG | | | | |
| 3955.0 | 3957.0 | DC | | EXLOG | | | | |
| 3957.0 | 3960.0 | DC | | EXLOG | | | | |
| 3960.0 | 3962.0 | DC | | EXLOG | | | | |
| 3962.0 | 3965.0 | DC | | EXLOG | | | | |
| 3965.0 | 3977.0 | DC | | EXLOG | | | | |
| 3977.0 | 3980.0 | DC | | EXLOG | | | | |
| 3980.0 | 3982.0 | DC | | EXLOG | | | | |
| 3982.0 | 3985.0 | DC | | EXLOG | | | | |
| 3985.0 | 3987.0 | DC | | EXLOG | | | | |
| 3987.0 | 3990.0 | DC | | EXLOG | | | | |
| 3990.0 | 3992.0 | DC | | EXLOG | | | | |
| 3992.0 | 4007.0 | DC | | EXLOG | | | | |
| 4007.0 | 4010.0 | DC | | EXLOG | | | | |
| 4010.0 | 4012.0 | DC | | EXLOG | | | | |
| 4012.0 | 4015.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 4015.0 | 4017.0 | DC | | EXLOG | | | | |
| 4017.0 | 4020.0 | DC | | EXLOG | | | | |
| 4020.0 | 4022.0 | DC | | EXLOG | | | | |
| 4022.0 | 4025.0 | DC | | EXLOG | | | | |
| 4025.0 | 4027.0 | DC | | EXLOG | | | | |
| 4027.0 | 4030.0 | DC | | EXLOG | | | | |
| 4030.0 | 4032.0 | DC | | EXLOG | | | | |
| 4032.0 | 4035.0 | DC | | EXLOG | | | | |
| 4035.0 | 4037.0 | DC | | EXLOG | | | | |
| 4037.0 | 4040.0 | DC | | EXLOG | | | | |
| 4040.0 | 4042.0 | DC | | EXLOG | | | | |
| 4042.0 | 4045.0 | DC | | EXLOG | | | | |
| 4045.0 | 4047.0 | DC | | EXLOG | | | | |
| 4047.0 | 4050.0 | DC | | EXLOG | | | | |
| 4050.0 | 4052.0 | DC | | EXLOG | | | | |
| 4052.0 | 4055.0 | DC | | EXLOG | | | | |
| 4055.0 | 4057.0 | DC | | EXLOG | | | | |
| 4057.0 | 4060.0 | DC | | EXLOG | | | | |
| 4060.0 | 4062.0 | DC | | EXLOG | | | | |
| 4062.0 | 4065.0 | DC | | EXLOG | | | | |
| 4065.0 | 4067.0 | DC | | EXLOG | | | | |
| 4067.0 | 4070.0 | DC | | EXLOG | | | | |
| 4070.0 | 4072.0 | DC | | EXLOG | | | | |
| 4072.0 | 4075.0 | DC | | EXLOG | | | | |
| 4075.0 | 4077.0 | DC | | EXLOG | | | | |
| 4077.0 | 4080.0 | DC | | EXLOG | | | | |
| 4080.0 | 4082.0 | DC | | EXLOG | | | | |
| 4082.0 | 4085.0 | DC | | EXLOG | | | | |
| 4085.0 | 4087.0 | DC | | EXLOG | | | | |
| 4087.0 | 4090.0 | DC | | EXLOG | | | | |
| 4087.0 | 4090.0 | DC | | GEOCHEM | | | | |
| 4090.0 | 4092.0 | DC | | EXLOG | | | | |
| 4092.0 | 4095.0 | DC | | EXLOG | | | | |
| 4095.0 | 4097.0 | DC | | EXLOG | | | | |
| 4097.0 | 4100.0 | DC | | EXLOG | | | | |
| 4100.0 | 4102.0 | DC | | EXLOG | | | | |
| 4102.0 | 4105.0 | DC | | EXLOG | | | | |
| 4105.0 | 4107.0 | DC | | EXLOG | | | | |
| 4107.0 | 4110.0 | DC | | EXLOG | | | | |
| 4110.0 | 4112.0 | DC | | EXLOG | | | | |
| 4112.0 | 4115.0 | DC | | EXLOG | | | | |
| 4115.0 | 4117.0 | DC | | EXLOG | | | | |
| 4117.0 | 4120.0 | DC | | EXLOG | | | | |
| 4120.0 | 4122.0 | DC | | EXLOG | | | | |
| 4122.0 | 4125.0 | DC | | EXLOG | | | | |
| 4125.0 | 4127.0 | DC | | EXLOG | | | | |
| 4127.0 | 4130.0 | DC | | EXLOG | | | | |
| 4130.0 | 4132.0 | DC | | EXLOG | | | | |
| 4132.0 | 4135.0 | DC | | EXLOG | | | | |
| 4135.0 | 4137.0 | DC | | EXLOG | | | | |
| 4137.0 | 4140.0 | DC | | EXLOG | | | | |
| 4140.0 | 4142.0 | DC | | EXLOG | | | | |
| 4142.0 | 4145.0 | DC | | EXLOG | | | | |
| 4145.0 | 4147.0 | DC | | EXLOG | | | | |
| 4147.0 | 4150.0 | DC | | EXLOG | | | | |
| 4147.0 | 4150.0 | DC | | GEOCHEM | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 4150.0 | 4152.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4152.0 | 4155.0 | DC | | EXLOG | | | | |
| 4155.0 | 4157.0 | DC | | EXLOG | | | | |
| 4157.0 | 4160.0 | DC | | EXLOG | | | | |
| 4157.0 | 4160.0 | DC | | GEOCHEM | | | | |
| 4160.0 | 4162.0 | DC | | EXLOG | ● | | ● | ● |
| 4162.0 | 4165.0 | DC | | EXLOG | | | | |
| 4165.0 | 4167.0 | DC | | EXLOG | | | | |
| 4167.0 | 4170.0 | DC | | EXLOG | | | | |
| 4167.0 | 4170.0 | DC | | GEOCHEM | | | | |
| 4170.0 | 4172.0 | DC | | EXLOG | ● | | | |
| 4172.0 | 4175.0 | DC | | EXLOG | | | | |
| 4175.0 | 4177.0 | DC | | EXLOG | | | | |
| 4177.0 | 4180.0 | DC | | EXLOG | | | | |
| 4180.0 | 4182.0 | DC | | EXLOG | | | | |
| 4182.0 | 4185.0 | DC | | EXLOG | | | | |
| 4185.0 | 4187.0 | DC | | EXLOG | | | | |
| 4187.0 | 4190.0 | DC | | EXLOG | | | | |
| 4187.0 | 4190.0 | DC | | GEOCHEM | | | | |
| 4190.0 | 4192.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4192.0 | 4195.0 | DC | | EXLOG | | | | |
| 4195.0 | 4197.0 | DC | | EXLOG | | | | |
| 4197.0 | 4200.0 | DC | | EXLOG | | | | |
| 4200.0 | 4202.0 | DC | | EXLOG | | | | |
| 4202.0 | 4205.0 | DC | | EXLOG | | | | |
| 4205.0 | 4207.0 | DC | | EXLOG | | | | |
| 4207.0 | 4210.0 | DC | | EXLOG | | | | |
| 4210.0 | 4212.0 | DC | | EXLOG | | | | |
| 4212.0 | 4215.0 | DC | | EXLOG | | | | |
| 4215.0 | 4217.0 | DC | | EXLOG | | | | |
| 4217.0 | 4220.0 | DC | | EXLOG | | | | |
| 4220.0 | 4222.0 | DC | | EXLOG | | | | |
| 4222.0 | 4225.0 | DC | | EXLOG | | | | |
| 4225.0 | 4227.0 | DC | | EXLOG | | | | |
| 4227.0 | 4230.0 | DC | | EXLOG | | | | |
| 4230.0 | 4232.0 | DC | | EXLOG | | | | |
| 4232.0 | 4235.0 | DC | | EXLOG | | | | |
| 4235.0 | 4237.0 | DC | | EXLOG | | | | |
| 4237.0 | 4240.0 | DC | | EXLOG | | | | |
| 4240.0 | 4242.0 | DC | | EXLOG | | | | |
| 4242.0 | 4245.0 | DC | | EXLOG | | | | |
| 4245.0 | 4247.0 | DC | | EXLOG | | | | |
| 4247.0 | 4250.0 | DC | | EXLOG | | | | |
| 4250.0 | 4252.0 | DC | | EXLOG | | | | |
| 4252.0 | 4255.0 | DC | | EXLOG | | | | |
| 4255.0 | 4257.0 | DC | | EXLOG | | | | |
| 4257.0 | 4260.0 | DC | | EXLOG | | | | |
| 4257.0 | 4260.0 | DC | | GEOCHEM | | | | |
| 4260.0 | 4265.0 | DC | | EXLOG | ● | | ● | ● |
| 4265.0 | 4267.0 | DC | | EXLOG | | | | |
| 4267.0 | 4270.0 | DC | | EXLOG | | | | |
| 4270.0 | 4272.0 | DC | | EXLOG | | | | |
| 4272.0 | 4275.0 | DC | | EXLOG | | | | |
| 4275.0 | 4277.0 | DC | | EXLOG | | | | |
| 4277.0 | 4280.0 | DC | | EXLOG | | | | |
| 4280.0 | 4282.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 4282.0 | 4285.0 | DC | | EXLOG | | | | |
| 4285.0 | 4287.0 | DC | | EXLOG | | | | |
| 4287.0 | 4290.0 | DC | | EXLOG | | | | |
| 4287.0 | 4290.0 | DC | | GEOCHEM | | | | |
| 4290.0 | 4292.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4292.0 | 4295.0 | DC | | EXLOG | | | | |
| 4295.0 | 4297.0 | DC | | EXLOG | | | | |
| 4297.0 | 4300.0 | DC | | EXLOG | | | | |
| 4297.0 | 4300.0 | DC | | GEOCHEM | | | | |
| 4300.0 | 4302.0 | DC | | EXLOG | ● | | | |
| 4302.0 | 4305.0 | DC | | EXLOG | | | | |
| 4305.0 | 4307.0 | DC | | EXLOG | | | | |
| 4307.0 | 4310.0 | DC | | EXLOG | | | | |
| 4307.0 | 4310.0 | DC | | GEOCHEM | | | | |
| 4310.0 | 4312.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4312.0 | 4315.0 | DC | | EXLOG | | | | |
| 4315.0 | 4317.0 | DC | | EXLOG | | | | |
| 4317.0 | 4320.0 | DC | | EXLOG | | | | |
| 4317.0 | 4320.0 | DC | | GEOCHEM | | | | |
| 4320.0 | 4322.0 | DC | | EXLOG | ● | | ● | ● |
| 4322.0 | 4325.0 | DC | | EXLOG | | | | |
| 4325.0 | 4327.0 | DC | | EXLOG | | | | |
| 4327.0 | 4330.0 | DC | | EXLOG | | | | |
| 4327.0 | 4330.0 | DC | | GEOCHEM | | | | |
| 4330.0 | 4332.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4332.0 | 4335.0 | DC | | EXLOG | | | | |
| 4335.0 | 4337.0 | DC | | EXLOG | | | | |
| 4337.0 | 4340.0 | DC | | EXLOG | | | | |
| 4337.0 | 4340.0 | DC | | GEOCHEM | | | | |
| 4340.0 | 4342.0 | DC | | EXLOG | ● | | ● | ● |
| 4342.0 | 4345.0 | DC | | EXLOG | | | | |
| 4345.0 | 4347.0 | DC | | EXLOG | | | | |
| 4347.0 | 4350.0 | DC | | EXLOG | | | | |
| 4347.0 | 4350.0 | DC | | GEOCHEM | | | | |
| 4350.0 | 4352.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4352.0 | 4355.0 | DC | | EXLOG | | | | |
| 4355.0 | 4357.0 | DC | | EXLOG | | | | |
| 4357.0 | 4360.0 | DC | | EXLOG | | | | |
| 4357.0 | 4360.0 | DC | | GEOCHEM | | | | |
| 4360.0 | 4362.0 | DC | | EXLOG | ● | | ● | ● |
| 4362.0 | 4365.0 | DC | | EXLOG | | | | |
| 4365.0 | 4367.0 | DC | | EXLOG | | | | |
| 4367.0 | 4370.0 | DC | | EXLOG | | | | |
| 4367.0 | 4370.0 | DC | | GEOCHEM | | | | |
| 4370.0 | 4372.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4372.0 | 4375.0 | DC | | EXLOG | | | | |
| 4375.0 | 4377.0 | DC | | EXLOG | | | | |
| 4377.0 | 4380.0 | DC | | EXLOG | | | | |
| 4377.0 | 4380.0 | DC | | GEOCHEM | | | | |
| 4380.0 | 4382.0 | DC | | EXLOG | ● | | ● | ● |
| 4382.0 | 4385.0 | DC | | EXLOG | | | | |
| 4385.0 | 4387.0 | DC | | EXLOG | | | | |
| 4387.0 | 4390.0 | DC | | EXLOG | | | | |
| 4387.0 | 4390.0 | DC | | GEOCHEM | | | | |
| 4390.0 | 4392.0 | DC | | EXLOG | ● | | | |
| 4392.0 | 4395.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 4395.0 | 4397.0 | DC | | EXLOG | | | | |
| 4397.0 | 4400.0 | DC | | EXLOG | | | | |
| 4397.0 | 4400.0 | DC | | GEOCHEM | | | | |
| 4400.0 | 4402.0 | DC | | EXLOG | • | • | • | • |
| 4402.0 | 4405.0 | DC | | EXLOG | | | | |
| 4405.0 | 4407.0 | DC | | EXLOG | | | | |
| 4407.0 | 4410.0 | DC | | EXLOG | | | | |
| 4410.0 | 4412.0 | DC | | EXLOG | | | | |
| 4412.0 | 4415.0 | DC | | EXLOG | | | | |
| 4415.0 | 4417.0 | DC | | EXLOG | | | | |
| 4417.0 | 4420.0 | DC | | EXLOG | | | | |
| 4420.0 | 4422.0 | DC | | EXLOG | | | | |
| 4422.0 | 4425.0 | DC | | EXLOG | | | | |
| 4425.0 | 4427.0 | DC | | EXLOG | | | | |
| 4427.0 | 4430.0 | DC | | EXLOG | | | | |
| 4430.0 | 4432.0 | DC | | EXLOG | | | | |
| 4432.0 | 4435.0 | DC | | EXLOG | | | | |
| 4435.0 | 4437.0 | DC | | EXLOG | | | | |
| 4437.0 | 4440.0 | DC | | EXLOG | | | | |
| 4440.0 | 4442.0 | DC | | EXLOG | | | | |
| 4442.0 | 4445.0 | DC | | EXLOG | | | | |
| 4445.0 | 4447.0 | DC | | EXLOG | | | | |
| 4447.0 | 4450.0 | DC | | EXLOG | | | | |
| 4450.0 | 4452.0 | DC | | EXLOG | | | | |
| 4452.0 | 4455.0 | DC | | EXLOG | | | | |
| 4455.0 | 4457.0 | DC | | EXLOG | | | | |
| 4457.0 | 4460.0 | DC | | EXLOG | | | | |
| 4457.0 | 4460.0 | DC | | GEOCHEM | | | | |
| 4460.0 | 4462.0 | DC | | EXLOG | • | • | • | • |
| 4462.0 | 4465.0 | DC | | EXLOG | | | | |
| 4465.0 | 4467.0 | DC | | EXLOG | | | | |
| 4467.0 | 4470.0 | DC | | EXLOG | | | | |
| 4470.0 | 4472.0 | DC | | EXLOG | | | | |
| 4472.0 | 4475.0 | DC | | EXLOG | | | | |
| 4475.0 | 4477.0 | DC | | EXLOG | | | | |
| 4477.0 | 4480.0 | DC | | EXLOG | | | | |
| 4480.0 | 4482.0 | DC | | EXLOG | | | | |
| 4482.0 | 4485.0 | DC | | EXLOG | | | | |
| 4485.0 | 4487.0 | DC | | EXLOG | | | | |
| 4487.0 | 4490.0 | DC | | EXLOG | | | | |
| 4490.0 | 4492.0 | DC | | EXLOG | | | | |
| 4492.0 | 4495.0 | DC | | EXLOG | | | | |
| 4495.0 | 4497.0 | DC | | EXLOG | | | | |
| 4497.0 | 4500.0 | DC | | EXLOG | | | | |
| 4497.0 | 4500.0 | DC | | GEOCHEM | | | | |
| 4500.0 | 4502.0 | DC | | EXLOG | • | • | • | • |
| 4502.0 | 4505.0 | DC | | EXLOG | | | | |
| 4505.0 | 4507.0 | DC | | EXLOG | | | | |
| 4507.0 | 4510.0 | DC | | EXLOG | | | | |
| 4510.0 | 4512.0 | DC | | EXLOG | | | | |
| 4512.0 | 4515.0 | DC | | EXLOG | | | | |
| 4515.0 | 4517.0 | DC | | EXLOG | | | | |
| 4517.0 | 4520.0 | DC | | EXLOG | | | | |
| 4520.0 | 4522.0 | DC | | EXLOG | | | | |
| 4522.0 | 4525.0 | DC | | EXLOG | | | | |
| 4525.0 | 4527.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 4527.0 | 4530.0 | DC | | EXLOG | | | | |
| 4530.0 | 4532.0 | DC | | EXLOG | | | | |
| 4532.0 | 4535.0 | DC | | EXLOG | | | | |
| 4535.0 | 4537.0 | DC | | EXLOG | | | | |
| 4537.0 | 4540.0 | DC | | EXLOG | | | | |
| 4537.0 | 4540.0 | DC | | GEOCHEM | | | | |
| 4540.0 | 4542.0 | DC | | EXLOG | ● | | | |
| 4542.0 | 4545.0 | DC | | EXLOG | | | | |
| 4545.0 | 4547.0 | DC | | EXLOG | | | | |
| 4547.0 | 4550.0 | DC | | EXLOG | | | | |
| 4550.0 | 4552.0 | DC | | EXLOG | | | | |
| 4552.0 | 4555.0 | DC | | EXLOG | | | | |
| 4555.0 | 4557.0 | DC | | EXLOG | | | | |
| 4557.0 | 4560.0 | DC | | EXLOG | | | | |
| 4560.0 | 4562.0 | DC | | EXLOG | | | | |
| 4562.0 | 4565.0 | DC | | EXLOG | | | | |
| 4565.0 | 4567.0 | DC | | EXLOG | | | | |
| 4567.0 | 4570.0 | DC | | EXLOG | | | | |
| 4570.0 | 4572.0 | DC | | EXLOG | | | | |
| 4572.0 | 4575.0 | DC | | EXLOG | | | | |
| 4575.0 | 4577.0 | DC | | EXLOG | | | | |
| 4577.0 | 4580.0 | DC | | EXLOG | | | | |
| 4577.0 | 4580.0 | DC | | GEOCHEM | | | | |
| 4580.0 | 4582.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4582.0 | 4585.0 | DC | | EXLOG | | | | |
| 4585.0 | 4587.0 | DC | | EXLOG | | | | |
| 4587.0 | 4590.0 | DC | | EXLOG | | | | |
| 4590.0 | 4592.0 | DC | | EXLOG | | | | |
| 4592.0 | 4595.0 | DC | | EXLOG | | | | |
| 4595.0 | 4597.0 | DC | | EXLOG | | | | |
| 4597.0 | 4600.0 | DC | | EXLOG | | | | |
| 4600.0 | 4602.0 | DC | | EXLOG | | | | |
| 4602.0 | 4605.0 | DC | | EXLOG | | | | |
| 4605.0 | 4607.0 | DC | | EXLOG | | | | |
| 4607.0 | 4610.0 | DC | | EXLOG | | | | |
| 4610.0 | 4612.0 | DC | | EXLOG | | | | |
| 4612.0 | 4615.0 | DC | | EXLOG | | | | |
| 4615.0 | 4617.0 | DC | | EXLOG | | | | |
| 4617.0 | 4620.0 | DC | | EXLOG | | | | |
| 4620.0 | 4622.0 | DC | | EXLOG | | | | |
| 4622.0 | 4665.0 | DC | | EXLOG | | | | |
| 4665.0 | 4667.0 | DC | | EXLOG | | | | |
| 4667.0 | 4670.0 | DC | | EXLOG | | | | |
| 4670.0 | 4672.0 | DC | | EXLOG | | | | |
| 4672.0 | 4675.0 | DC | | EXLOG | | | | |
| 4675.0 | 4677.0 | DC | | EXLOG | | | | |
| 4677.0 | 4680.0 | DC | | EXLOG | | | | |
| 4680.0 | 4682.0 | DC | | EXLOG | | | | |
| 4682.0 | 4685.0 | DC | | EXLOG | | | | |
| 4685.0 | 4687.0 | DC | | EXLOG | | | | |
| 4687.0 | 4690.0 | DC | | EXLOG | | | | |
| 4687.0 | 4690.0 | DC | | GEOCHEM | | | | |
| 4690.0 | 4692.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4692.0 | 4695.0 | DC | | EXLOG | | | | |
| 4695.0 | 4697.0 | DC | | EXLOG | | | | |
| 4697.0 | 4700.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 4700.0 | 4702.0 | DC | | EXLOG | | | | |
| 4702.0 | 4705.0 | DC | | EXLOG | | | | |
| 4705.0 | 4707.0 | DC | | EXLOG | | | | |
| 4707.0 | 4710.0 | DC | | EXLOG | | | | |
| 4710.0 | 4712.0 | DC | | EXLOG | | | | |
| 4712.0 | 4715.0 | DC | | EXLOG | | | | |
| 4715.0 | 4717.0 | DC | | EXLOG | | | | |
| 4717.0 | 4720.0 | DC | | EXLOG | | | | |
| 4720.0 | 4722.0 | DC | | EXLOG | | | | |
| 4722.0 | 4725.0 | DC | | EXLOG | | | | |
| 4725.0 | 4727.0 | DC | | EXLOG | | | | |
| 4727.0 | 4730.0 | DC | | EXLOG | | | | |
| 4730.0 | 4732.0 | DC | | EXLOG | | | | |
| 4732.0 | 4735.0 | DC | | EXLOG | | | | |
| 4735.0 | 4737.0 | DC | | EXLOG | | | | |
| 4737.0 | 4740.0 | DC | | EXLOG | | | | |
| 4737.0 | 4740.0 | DC | | GEOCHEM | | | | |
| 4740.0 | 4742.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4742.0 | 4745.0 | DC | | EXLOG | | | | |
| 4745.0 | 4747.0 | DC | | EXLOG | | | | |
| 4747.0 | 4750.0 | DC | | EXLOG | | | | |
| 4750.0 | 4752.0 | DC | | EXLOG | | | | |
| 4752.0 | 4755.0 | DC | | EXLOG | | | | |
| 4755.0 | 4757.0 | DC | | EXLOG | | | | |
| 4757.0 | 4760.0 | DC | | EXLOG | | | | |
| 4760.0 | 4762.0 | DC | | EXLOG | | | | |
| 4762.0 | 4765.0 | DC | | EXLOG | | | | |
| 4765.0 | 4767.0 | DC | | EXLOG | | | | |
| 4767.0 | 4770.0 | DC | | EXLOG | | | | |
| 4770.0 | 4772.0 | DC | | EXLOG | | | | |
| 4772.0 | 4775.0 | DC | | EXLOG | | | | |
| 4775.0 | 4777.0 | DC | | EXLOG | | | | |
| 4777.0 | 4780.0 | DC | | EXLOG | | | | |
| 4780.0 | 4782.0 | DC | | EXLOG | | | | |
| 4782.0 | 4785.0 | DC | | EXLOG | | | | |
| 4785.0 | 4787.0 | DC | | EXLOG | | | | |
| 4787.0 | 4790.0 | DC | | EXLOG | | | | |
| 4790.0 | 4792.0 | DC | | EXLOG | | | | |
| 4792.0 | 4795.0 | DC | | EXLOG | | | | |
| 4795.0 | 4797.0 | DC | | EXLOG | | | | |
| 4797.0 | 4800.0 | DC | | EXLOG | | | | |
| 4800.0 | 4802.0 | DC | | EXLOG | | | | |
| 4802.0 | 4805.0 | DC | | EXLOG | | | | |
| 4805.0 | 4807.0 | DC | | EXLOG | | | | |
| 4807.0 | 4810.0 | DC | | EXLOG | | | | |
| 4807.0 | 4810.0 | DC | | GEOCHEM | | | | |
| 4810.0 | 4812.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4812.0 | 4815.0 | DC | | EXLOG | | | | |
| 4815.0 | 4817.0 | DC | | EXLOG | | | | |
| 4817.0 | 4820.0 | DC | | EXLOG | | | | |
| 4820.0 | 4822.0 | DC | | EXLOG | | | | |
| 4822.0 | 4825.0 | DC | | EXLOG | | | | |
| 4825.0 | 4827.0 | DC | | EXLOG | | | | |
| 4827.0 | 4830.0 | DC | | EXLOG | | | | |
| 4830.0 | 4832.0 | DC | | EXLOG | | | | |
| 4832.0 | 4835.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 4835.0 | 4837.0 | DC | | EXLOG | | | | |
| 4837.0 | 4840.0 | DC | | EXLOG | | | | |
| 4840.0 | 4842.0 | DC | | EXLOG | | | | |
| 4842.0 | 4845.0 | DC | | EXLOG | | | | |
| 4845.0 | 4847.0 | DC | | EXLOG | | | | |
| 4847.0 | 4850.0 | DC | | EXLOG | | | | |
| 4850.0 | 4852.0 | DC | | EXLOG | | | | |
| 4852.0 | 4855.0 | DC | | EXLOG | | | | |
| 4855.0 | 4857.0 | DC | | EXLOG | | | | |
| 4857.0 | 4860.0 | DC | | EXLOG | | | | |
| 4857.0 | 4860.0 | DC | | GEOCHEM | | | | |
| 4860.0 | 4862.0 | DC | | EXLOG | | | | |
| 4862.0 | 4865.0 | DC | | EXLOG | | | | |
| 4865.0 | 4867.0 | DC | | EXLOG | | | | |
| 4867.0 | 4870.0 | DC | | EXLOG | | | | |
| 4870.0 | 4872.0 | DC | | EXLOG | | | | |
| 4872.0 | 4875.0 | DC | | EXLOG | | | | |
| 4875.0 | 4877.0 | DC | | EXLOG | | | | |
| 4877.0 | 4880.0 | DC | | EXLOG | | | | |
| 4880.0 | 4882.0 | DC | | EXLOG | | | | |
| 4882.0 | 4885.0 | DC | | EXLOG | | | | |
| 4885.0 | 4887.0 | DC | | EXLOG | | | | |
| 4887.0 | 4890.0 | DC | | EXLOG | | | | |
| 4890.0 | 4892.0 | DC | | EXLOG | | | | |
| 4892.0 | 4895.0 | DC | | EXLOG | | | | |
| 4895.0 | 4897.0 | DC | | EXLOG | | | | |
| 4897.0 | 4900.0 | DC | | EXLOG | | | | |
| 4897.0 | 4900.0 | DC | | GEOCHEM | | | | |
| 4900.0 | 4902.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4902.0 | 4905.0 | DC | | EXLOG | | | | |
| 4905.0 | 4907.0 | DC | | EXLOG | | | | |
| 4907.0 | 4910.0 | DC | | EXLOG | | | | |
| 4910.0 | 4912.0 | DC | | EXLOG | | | | |
| 4912.0 | 4915.0 | DC | | EXLOG | | | | |
| 4915.0 | 4917.0 | DC | | EXLOG | | | | |
| 4917.0 | 4920.0 | DC | | EXLOG | | | | |
| 4920.0 | 4922.0 | DC | | EXLOG | | | | |
| 4922.0 | 4925.0 | DC | | EXLOG | | | | |
| 4925.0 | 4927.0 | DC | | EXLOG | | | | |
| 4927.0 | 4930.0 | DC | | EXLOG | | | | |
| 4930.0 | 4932.0 | DC | | EXLOG | | | | |
| 4932.0 | 4935.0 | DC | | EXLOG | | | | |
| 4935.0 | 4937.0 | DC | | EXLOG | | | | |
| 4937.0 | 4940.0 | DC | | EXLOG | | | | |
| 4937.0 | 4940.0 | DC | | GEOCHEM | | | | |
| 4940.0 | 4942.0 | DC | | EXLOG | ● | ● | | ● |
| 4942.0 | 4945.0 | DC | | EXLOG | | | | |
| 4945.0 | 4947.0 | DC | | EXLOG | | | | |
| 4947.0 | 4950.0 | DC | | EXLOG | | | | |
| 4950.0 | 4952.0 | DC | | EXLOG | | | | |
| 4952.0 | 4955.0 | DC | | EXLOG | | | | |
| 4955.0 | 4957.0 | DC | | EXLOG | | | | |
| 4957.0 | 4960.0 | DC | | EXLOG | | | | |
| 4960.0 | 4962.0 | DC | | EXLOG | | | | |
| 4962.0 | 4965.0 | DC | | EXLOG | | | | |
| 4965.0 | 4967.0 | DC | | EXLOG | | | | |

| DEPTH (M) START | END | SAMPLE CODE | SAMPLE WEIGHT (G) | ANALYST COMPANY | EXTRACT | PY GC | KEROGEN TYPING | VITRINITE |
|---|---|---|---|---|---|---|---|---|
| 4967.0 | 4970.0 | DC | | EXLOG | | | | |
| 4970.0 | 4972.0 | DC | | EXLOG | | | | |
| 4972.0 | 4975.0 | DC | | EXLOG | | | | |
| 4975.0 | 4977.0 | DC | | EXLOG | | | | |
| 4977.0 | 4980.0 | DC | | EXLOG | | | | |
| 4977.0 | 4980.0 | DC | | GEOCHEM | | | | |
| 4980.0 | 4982.0 | DC | | EXLOG | ● | ● | ● | ● |
| 4982.0 | 4985.0 | DC | | EXLOG | | | | |
| 4985.0 | 4987.0 | DC | | EXLOG | | | | |
| 4987.0 | 4990.0 | DC | | EXLOG | | | | |
| 4990.0 | 4992.0 | DC | | EXLOG | | | | |
| 4992.0 | 4995.0 | DC | | EXLOG | | | | |
| 4995.0 | 4997.0 | DC | | EXLOG | | | | |
| 4997.0 | 5000.0 | DC | | EXLOG | | | | |
| 5000.0 | 5002.0 | DC | | EXLOG | | | | |
| 5002.0 | 5005.0 | DC | | EXLOG | | | | |
| 5005.0 | 5007.0 | DC | | EXLOG | | | | |
| 5007.0 | 5010.0 | DC | | EXLOG | | | | |
| 5010.0 | 5012.0 | DC | | EXLOG | | | | |
| 5012.0 | 5015.0 | DC | | EXLOG | | | | |
| 5015.0 | 5017.0 | DC | | EXLOG | | | | |
| 5017.0 | 5020.0 | DC | | EXLOG | | | | |
| 5020.0 | 5022.0 | DC | | EXLOG | | | | |
| 5022.0 | 5025.0 | DC | | EXLOG | | | | |
| 5025.0 | 5027.0 | DC | | EXLOG | | | | |
| 5027.0 | 5030.0 | DC | | EXLOG | | | | |
| 5030.0 | 5032.0 | DC | | EXLOG | | | | |
| 5032.0 | 5035.0 | DC | | EXLOG | | | | |
| 5035.0 | 5037.0 | DC | | EXLOG | | | | |
| 5037.0 | 5040.0 | DC | | EXLOG | | | | |
| 5037.0 | 5040.0 | DC | | GEOCHEM | | | | |
| 5040.0 | 5042.0 | DC | | EXLOG | ● | ● | ● | ● |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7**



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1040.0 | | | DC | 0.4 | 2.3 | | 1.1 | 208.3 | | 0.1 | 417 | EXLOG |
| 1040.0 | | | DC | 0.4 | 2.2 | | 1.5 | 149.0 | | 0.2 | 417 | EXLOG |
| 1050.0 | | | DC | 0.4 | 2.4 | | 1.5 | 160.5 | | 0.1 | 422 | EXLOG |
| 1060.0 | | | DC | 0.4 | 2.2 | | 1.5 | 150.7 | | 0.1 | 413 | EXLOG |
| 1070.0 | | | DC | 0.4 | 2.7 | | 1.4 | 187.9 | | 0.1 | 420 | EXLOG |
| 1080.0 | | | DC | 0.4 | 3.0 | | 1.3 | 227.5 | | 0.1 | 415 | EXLOG |
| 1090.0 | | | DC | 0.4 | 2.2 | | 1.0 | 218.8 | | 0.2 | 423 | EXLOG |
| 1100.0 | | | DC | 1.0 | 2.9 | | 1.0 | 296.9 | | 0.3 | 426 | EXLOG |
| 1110.0 | | | DC | 0.5 | 2.2 | | 0.9 | 230.9 | | 0.2 | 423 | EXLOG |
| 1120.0 | | | DC | 0.6 | 2.4 | | 0.9 | 271.9 | | 0.2 | 415 | EXLOG |
| 1130.0 | | | DC | 0.4 | 1.7 | | 0.9 | 193.3 | | 0.2 | 411 | EXLOG |
| 1140.0 | | | DC | 0.3 | 1.8 | | 0.9 | 195.6 | | 0.2 | 415 | EXLOG |
| 1150.0 | | | DC | 0.3 | 1.9 | | 1.0 | 202.1 | | 0.1 | 412 | EXLOG |
| 1160.0 | | | DC | 0.4 | 2.1 | | 1.0 | 210.9 | | 0.2 | 419 | EXLOG |
| 1170.0 | | | DC | 0.4 | 2.2 | | 1.1 | 194.6 | | 0.2 | 422 | EXLOG |
| 1180.0 | | | DC | 0.5 | 2.2 | | 1.2 | 182.4 | | 0.2 | 418 | EXLOG |
| 1190.0 | | | DC | 0.5 | 2.3 | | 1.1 | 206.3 | | 0.2 | 419 | EXLOG |
| 1200.0 | | | DC | 0.5 | 2.2 | | 1.2 | 183.5 | | 0.2 | 419 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1210.0 | | | DC | 0.4 | 2.0 | | 1.0 | 191.3 | | 0.2 | 417 | EXLOG |
| 1220.0 | | | DC | 0.5 | 2.0 | | 1.0 | 195.1 | | 0.2 | 416 | EXLOG |
| 1230.0 | | | DC | 0.6 | 2.2 | | 1.0 | 212.6 | | 0.2 | 419 | EXLOG |
| 1240.0 | | | DC | 0.5 | 2.1 | | 1.1 | 184.2 | | 0.2 | 413 | EXLOG |
| 1250.0 | | | DC | 0.5 | 1.7 | | 0.9 | 177.9 | | 0.2 | 412 | EXLOG |
| 1260.0 | | | DC | 0.5 | 2.2 | | 1.1 | 194.7 | | 0.2 | 426 | EXLOG |
| 1270.0 | | | DC | 0.4 | 2.2 | | 1.2 | 180.5 | | 0.2 | 416 | EXLOG |
| 1280.0 | | | DC | 0.5 | 2.2 | | 1.2 | 184.9 | | 0.2 | 419 | EXLOG |
| 1290.0 | | | DC | 0.7 | 2.2 | | 1.2 | 184.2 | | 0.3 | 414 | EXLOG |
| 1300.0 | | | DC | 0.7 | 2.0 | | 1.2 | 171.8 | | 0.3 | 411 | EXLOG |
| 1310.0 | | | DC | 0.6 | 2.1 | | 1.3 | 164.3 | | 0.2 | 414 | EXLOG |
| 1320.0 | | | DC | 0.6 | 2.2 | | 1.3 | 176.0 | | 0.2 | 417 | EXLOG |
| 1330.0 | | | DC | 0.6 | 2.0 | | 1.2 | 162.5 | | 0.2 | 416 | EXLOG |
| 1340.0 | | | DC | 0.5 | 1.7 | | 1.1 | 150.9 | | 0.2 | 416 | EXLOG |
| 1350.0 | | | DC | 0.6 | 2.2 | | 1.2 | 185.7 | | 0.2 | 417 | EXLOG |
| 1360.0 | | | DC | 0.4 | 1.8 | | 0.9 | 188.3 | | 0.2 | 415 | EXLOG |
| 1370.0 | | | DC | 0.4 | 1.7 | | 1.0 | 161.9 | | 0.2 | 411 | EXLOG |
| 1380.0 | | | DC | 0.4 | 1.6 | | 1.1 | 154.2 | | 0.2 | 424 | EXLOG |
| 1390.0 | | | DC | 0.4 | 1.6 | | 1.0 | 155.3 | | 0.2 | 419 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1400.0 | | | DC | 0.4 | 1.6 | | 0.9 | 167.4 | | 0.2 | 413 | EXLOG |
| 1410.0 | | | DC | 0.7 | 2.1 | | 1.1 | 196.3 | | 0.3 | 425 | EXLOG |
| 1420.0 | | | DC | 0.6 | 1.6 | | 0.9 | 181.8 | | 0.3 | 411 | EXLOG |
| 1430.0 | | | DC | 0.5 | 1.2 | | 0.8 | 143.2 | | 0.3 | 410 | EXLOG |
| 1440.0 | | | DC | 0.5 | 1.2 | | 0.8 | 149.4 | | 0.3 | 414 | EXLOG |
| 1450.0 | | | DC | 0.5 | 1.3 | | 0.9 | 148.3 | | 0.3 | 411 | EXLOG |
| 1460.0 | | | DC | 0.4 | 1.1 | | 0.8 | 148.7 | | 0.3 | 414 | EXLOG |
| 1470.0 | | | DC | 0.4 | 0.9 | | 0.7 | 122.9 | | 0.3 | 405 | EXLOG |
| 1480.0 | | | DC | 0.5 | 0.9 | | 0.6 | 139.7 | | 0.3 | 406 | EXLOG |
| 1490.0 | | | DC | 0.5 | 1.0 | | 0.5 | 198.1 | | 0.3 | 410 | EXLOG |
| 1500.0 | | | DC | 0.5 | 1.6 | | 0.9 | 181.4 | | 0.3 | 415 | EXLOG |
| 1510.0 | | | DC | 0.6 | 1.2 | | 0.9 | 125.3 | | 0.3 | 424 | EXLOG |
| 1520.0 | | | DC | 0.6 | 1.2 | | 0.9 | 125.3 | | 0.3 | 419 | EXLOG |
| 1530.0 | | | DC | 0.8 | 1.6 | | 0.9 | 170.2 | | 0.3 | 417 | EXLOG |
| 1540.0 | | | DC | 0.7 | 1.7 | | 1.2 | 149.1 | | 0.3 | 429 | EXLOG |
| 1550.0 | | | DC | 1.4 | 4.6 | | 2.0 | 234.3 | | 0.2 | 429 | EXLOG |
| 1560.0 | | | DC | 1.2 | 3.5 | | 1.8 | 200.0 | | 0.3 | 426 | EXLOG |
| 1570.0 | | | DC | 1.4 | 3.6 | | 1.5 | 231.2 | | 0.3 | 430 | EXLOG |
| 1580.0 | | | DC | 0.7 | 1.4 | | 0.9 | 145.7 | | 0.3 | 418 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1590.0 | | | DC | 1.6 | 4.7 | | 1.7 | 271.7 | | 0.3 | 421 | EXLOG |
| 1600.0 | | | DC | 1.8 | 4.5 | | 1.8 | 256.8 | | 0.3 | 416 | EXLOG |
| 1610.0 | | | DC | 1.3 | 4.0 | | 1.7 | 227.0 | | 0.2 | 420 | EXLOG |
| 1620.0 | | | DC | 1.3 | 4.5 | | 1.8 | 253.1 | | 0.2 | 421 | EXLOG |
| 1630.0 | | | DC | 1.4 | 4.8 | | 1.8 | 263.9 | | 0.2 | 422 | EXLOG |
| 1640.0 | | | DC | 1.4 | 5.2 | | 2.1 | 249.0 | | 0.2 | 426 | EXLOG |
| 1650.0 | | | DC | 1.2 | 5.4 | | 2.2 | 243.6 | | 0.2 | 424 | EXLOG |
| 1660.0 | | | DC | 1.4 | 4.8 | | 2.0 | 233.3 | | 0.2 | 430 | EXLOG |
| 1670.0 | | | DC | 1.3 | 5.9 | | 2.8 | 206.0 | | 0.2 | 418 | EXLOG |
| 1680.0 | | | DC | 1.1 | 5.4 | | 2.6 | 209.3 | | 0.2 | 426 | EXLOG |
| 1690.0 | | | DC | 1.1 | 3.5 | | 1.9 | 184.7 | | 0.2 | 424 | EXLOG |
| 1700.0 | | | DC | 0.8 | 3.7 | | 2.0 | 186.9 | | 0.2 | 422 | EXLOG |
| 1710.0 | | | DC | 1.0 | 4.5 | | 2.1 | 212.2 | | 0.2 | 419 | EXLOG |
| 1720.0 | | | DC | 0.8 | 5.7 | | 1.7 | 330.2 | | 0.1 | 426 | EXLOG |
| 1730.0 | | | DC | 0.9 | 4.0 | | 2.0 | 198.0 | | 0.2 | 424 | EXLOG |
| 1740.0 | | | DC | 1.0 | 3.9 | | 1.9 | 208.1 | | 0.2 | 428 | EXLOG |
| 1750.0 | | | DC | 0.8 | 3.7 | | 1.8 | 202.2 | | 0.2 | 425 | EXLOG |
| 1760.0 | | | DC | 1.2 | 5.6 | | 2.3 | 240.6 | | 0.2 | 431 | EXLOG |
| 1770.0 | | | DC | 1.3 | 6.4 | | 2.6 | 245.2 | | 0.2 | 423 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1780.0 | | | DC | 1.2 | 5.6 | | 2.6 | 215.8 | | 0.2 | 426 | EXLOG |
| 1790.0 | | | DC | 1.5 | 8.4 | | 3.8 | 218.8 | | 0.1 | 424 | EXLOG |
| 1800.0 | | | DC | 1.4 | 6.0 | | 2.7 | 223.0 | | 0.2 | 427 | EXLOG |
| 1810.0 | | | DC | 1.2 | 6.4 | | 2.9 | 222.2 | | 0.2 | 426 | EXLOG |
| 1820.0 | | | DC | 1.2 | 4.7 | | 2.3 | 203.0 | | 0.2 | 423 | EXLOG |
| 1830.0 | | | DC | 1.1 | 4.8 | | 2.3 | 212.8 | | 0.2 | 425 | EXLOG |
| 1840.0 | | | DC | 0.9 | 4.8 | | 2.4 | 200.4 | | 0.1 | 426 | EXLOG |
| 1850.0 | | | DC | 1.0 | 5.7 | | 3.0 | 193.2 | | 0.2 | 421 | EXLOG |
| 1860.0 | | | DC | 1.1 | 7.4 | | 3.5 | 211.5 | | 0.1 | 423 | EXLOG |
| 1870.0 | | | DC | 1.1 | 7.3 | | 3.5 | 210.3 | | 0.1 | 430 | EXLOG |
| 1880.0 | | | DC | 1.0 | 5.9 | | 2.8 | 213.5 | | 0.2 | 426 | EXLOG |
| 1900.0 | | | DC | 0.8 | 3.0 | | 1.7 | 177.4 | | 0.2 | 424 | EXLOG |
| 1910.0 | | | DC | 0.6 | 3.2 | | 1.9 | 174.1 | | 0.2 | 429 | EXLOG |
| 1920.0 | | | DC | 0.7 | 2.3 | | 1.4 | 162.9 | | 0.2 | 428 | EXLOG |
| 1930.0 | | | DC | 0.8 | 3.4 | | 1.8 | 184.6 | | 0.2 | 428 | EXLOG |
| 1940.0 | | | DC | 0.7 | 3.6 | | 2.0 | 182.2 | | 0.2 | 429 | EXLOG |
| 1950.0 | | | DC | 0.6 | 3.9 | | 2.0 | 193.1 | | 0.1 | 425 | EXLOG |
| 1960.0 | | | DC | 0.5 | 3.1 | | 1.7 | 184.4 | | 0.1 | 428 | EXLOG |
| 1970.0 | | | DC | 0.7 | 3.6 | | 1.9 | 192.6 | | 0.2 | 425 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1980.0 | | | DC | 0.6 | 3.3 | | 1.7 | 200.6 | | 0.1 | 427 | EXLOG |
| 1990.0 | | | DC | 0.6 | 2.8 | | 1.7 | 169.5 | | 0.2 | 431 | EXLOG |
| 2000.0 | | | DC | 0.9 | 4.7 | | 2.0 | 229.4 | | 0.2 | 426 | EXLOG |
| 2010.0 | | | DC | 0.8 | 3.7 | | 1.6 | 227.4 | | 0.2 | 431 | EXLOG |
| 2020.0 | | | DC | 0.7 | 3.6 | | 1.5 | 231.8 | | 0.2 | 427 | EXLOG |
| 2030.0 | | | DC | 0.6 | 2.9 | | 1.3 | 226.6 | | 0.2 | 430 | EXLOG |
| 2040.0 | | | DC | 0.5 | 3.6 | | 1.6 | 221.3 | | 0.1 | 429 | EXLOG |
| 2050.0 | | | DC | 0.6 | 2.4 | | 1.2 | 200.0 | | 0.2 | 424 | EXLOG |
| 2060.0 | | | DC | 0.5 | 2.9 | | 1.4 | 214.1 | | 0.2 | 426 | EXLOG |
| 2070.0 | | | DC | 0.4 | 2.8 | | 1.2 | 233.9 | | 0.1 | 430 | EXLOG |
| 2080.0 | | | DC | 0.3 | 2.1 | | 1.1 | 196.3 | | 0.1 | 429 | EXLOG |
| 2090.0 | | | DC | 0.3 | 2.4 | | 1.2 | 195.2 | | 0.1 | 428 | EXLOG |
| 2100.0 | | | DC | 0.4 | 2.2 | | 1.0 | 218.8 | | 0.1 | 429 | EXLOG |
| 2110.0 | | | DC | 0.5 | 2.9 | | 1.3 | 213.4 | | 0.2 | 425 | EXLOG |
| 2120.0 | | | DC | 0.3 | 2.2 | | 1.2 | 178.7 | | 0.1 | 433 | EXLOG |
| 2130.0 | | | DC | 0.4 | 2.0 | | 1.0 | 197.0 | | 0.2 | 430 | EXLOG |
| 2140.0 | | | DC | 0.3 | 2.0 | | 1.3 | 155.4 | | 0.1 | 426 | EXLOG |
| 2150.0 | | | DC | 0.4 | 2.0 | | 1.2 | 173.3 | | 0.2 | 429 | EXLOG |
| 2160.0 | | | DC | 0.4 | 2.1 | | 1.0 | 200.0 | | 0.2 | 426 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2170.0 | | | DC | 0.4 | 2.6 | | 1.2 | 216.8 | | 0.1 | 431 | EXLOG |
| 2180.0 | | | DC | 0.4 | 2.3 | | 1.2 | 195.7 | | 0.1 | 429 | EXLOG |
| 2190.0 | | | DC | 0.5 | 2.5 | | 1.3 | 200.0 | | 0.2 | 429 | EXLOG |
| 2200.0 | | | DC | 0.4 | 2.5 | | 1.2 | 212.6 | | 0.1 | 434 | EXLOG |
| 2210.0 | | | DC | 0.5 | 2.4 | | 1.1 | 212.6 | | 0.2 | 425 | EXLOG |
| 2220.0 | | | DC | 0.5 | 2.5 | | 1.4 | 182.2 | | 0.2 | 428 | EXLOG |
| 2230.0 | | | DC | 0.3 | 1.4 | | 0.8 | 179.5 | | 0.2 | 432 | EXLOG |
| 2240.0 | | | DC | 0.4 | 1.4 | | 0.9 | 159.3 | | 0.2 | 432 | EXLOG |
| 2250.0 | | | DC | 0.3 | 1.3 | | 0.8 | 169.7 | | 0.2 | 425 | EXLOG |
| 2260.0 | | | DC | 0.2 | 1.3 | | 0.7 | 180.0 | | 0.2 | 426 | EXLOG |
| 2270.0 | | | DC | 0.2 | 1.3 | | 0.8 | 157.8 | | 0.1 | 431 | EXLOG |
| 2280.0 | | | DC | 0.2 | 1.5 | | 0.8 | 185.2 | | 0.1 | 428 | EXLOG |
| 2290.0 | | | DC | 0.2 | 1.3 | | 0.8 | 168.0 | | 0.1 | 428 | EXLOG |
| 2300.0 | | | DC | 0.2 | 1.0 | | 0.8 | 122.9 | | 0.2 | 427 | EXLOG |
| 2310.0 | | | DC | 0.3 | 1.2 | | 0.8 | 151.9 | | 0.2 | 427 | EXLOG |
| 2320.0 | | | DC | 0.3 | 1.2 | | 0.8 | 150.0 | | 0.2 | 427 | EXLOG |
| 2330.0 | | | DC | 0.2 | 0.7 | | 0.8 | 89.9 | | 0.2 | 430 | EXLOG |
| 2340.0 | | | DC | 0.1 | 0.7 | | 0.8 | 94.7 | | 0.2 | 426 | EXLOG |
| 2350.0 | | | DC | 0.2 | 0.6 | | 0.7 | 91.3 | | 0.2 | 419 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2360.0 | | | DC | 0.2 | 0.7 | | 0.7 | 95.8 | | 0.2 | 423 | EXLOG |
| 2370.0 | | | DC | 0.1 | 1.0 | | 0.6 | 162.7 | | 0.1 | 429 | EXLOG |
| 2380.0 | | | DC | 0.2 | 0.6 | | 0.6 | 103.3 | | 0.2 | 425 | EXLOG |
| 2390.0 | | | DC | 0.3 | 0.8 | | 0.7 | 116.7 | | 0.3 | 426 | EXLOG |
| 2400.0 | | | DC | 0.3 | 0.8 | | 0.6 | 135.5 | | 0.3 | 422 | EXLOG |
| 2410.0 | | | DC | 0.2 | 0.9 | | 0.6 | 137.1 | | 0.2 | 426 | EXLOG |
| 2420.0 | | | DC | 0.2 | 1.0 | | 0.7 | 142.6 | | 0.2 | 430 | EXLOG |
| 2430.0 | | | DC | 0.3 | 0.7 | | 0.6 | 118.6 | | 0.3 | 427 | EXLOG |
| 2440.0 | | | DC | 0.1 | 0.7 | | 0.6 | 120.7 | | 0.1 | 431 | EXLOG |
| 2450.0 | | | DC | 0.1 | 1.1 | | 0.8 | 138.3 | | 0.1 | 435 | EXLOG |
| 2460.0 | | | DC | 0.1 | 1.1 | | 0.9 | 123.0 | | 0.1 | 432 | EXLOG |
| 2470.0 | | | DC | 0.1 | 1.0 | | 0.8 | 121.4 | | 0.1 | 434 | EXLOG |
| 2480.0 | | | DC | 0.1 | 1.1 | | 0.8 | 144.0 | | 0.1 | 432 | EXLOG |
| 2490.0 | | | DC | 0.1 | 1.0 | | 0.9 | 110.1 | | 0.1 | 434 | EXLOG |
| 2500.0 | | | DC | 0.2 | 1.0 | | 0.9 | 122.1 | | 0.2 | 431 | EXLOG |
| 2510.0 | | | DC | 0.1 | 1.1 | | 0.9 | 128.4 | | 0.1 | 434 | EXLOG |
| 2520.0 | | | DC | 0.2 | 1.4 | | 1.0 | 133.0 | | 0.1 | 432 | EXLOG |
| 2530.0 | | | DC | 0.2 | 1.1 | | 0.8 | 139.5 | | 0.1 | 432 | EXLOG |
| 2540.0 | | | DC | 0.1 | 1.2 | | 0.9 | 124.5 | | 0.1 | 437 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2550.0 | | | DC | 0.2 | 1.3 | | 1.0 | 127.6 | | 0.1 | 432 | EXLOG |
| 2560.0 | | | DC | 0.1 | 1.3 | | 1.0 | 126.9 | | 0.1 | 433 | EXLOG |
| 2570.0 | | | DC | 0.1 | 1.1 | | 0.9 | 119.6 | | 0.1 | 435 | EXLOG |
| 2580.0 | | | DC | 0.2 | 1.2 | | 1.0 | 113.3 | | 0.1 | 432 | EXLOG |
| 2590.0 | | | DC | 0.1 | 1.2 | | 0.9 | 134.1 | | 0.1 | 431 | EXLOG |
| 2600.0 | | | DC | 0.1 | 1.0 | | 0.8 | 134.7 | | 0.1 | 427 | EXLOG |
| 2610.0 | | | DC | 0.1 | 1.4 | | 0.9 | 149.5 | | 0.1 | 433 | EXLOG |
| 2620.0 | | | DC | 0.2 | 1.4 | | 0.9 | 153.3 | | 0.1 | 432 | EXLOG |
| 2630.0 | | | DC | 0.3 | 1.4 | | 1.0 | 138.6 | | 0.2 | 430 | EXLOG |
| 2640.0 | | | DC | 0.2 | 1.4 | | 1.0 | 141.8 | | 0.1 | 432 | EXLOG |
| 2650.0 | | | DC | 0.3 | 1.2 | | 1.0 | 127.1 | | 0.2 | 430 | EXLOG |
| 2660.0 | | | DC | 0.4 | 1.4 | | 0.9 | 147.9 | | 0.2 | 434 | EXLOG |
| 2670.0 | | | DC | 0.3 | 1.6 | | 1.0 | 152.4 | | 0.2 | 431 | EXLOG |
| 2680.0 | | | DC | 0.3 | 1.4 | | 0.9 | 145.7 | | 0.2 | 435 | EXLOG |
| 2690.0 | | | DC | 0.3 | 1.3 | | 0.9 | 140.0 | | 0.2 | 435 | EXLOG |
| 2700.0 | | | DC | 0.3 | 1.6 | | 0.9 | 169.6 | | 0.2 | 434 | EXLOG |
| 2710.0 | | | DC | 0.2 | 1.5 | | 0.9 | 170.1 | | 0.1 | 436 | EXLOG |
| 2720.0 | | | DC | 0.1 | 1.3 | | 0.7 | 181.7 | | 0.1 | 437 | EXLOG |
| 2730.0 | | | DC | 0.1 | 1.2 | | 0.8 | 162.7 | | 0.1 | 437 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2740.0 | | | DC | 0.1 | 0.9 | | 0.7 | 142.4 | | 0.1 | 440 | EXLOG |
| 2750.0 | | | DC | 0.1 | 0.9 | | 0.6 | 135.9 | | 0.1 | 441 | EXLOG |
| 2760.0 | | | DC | 0.1 | 0.9 | | 0.7 | 128.8 | | 0.1 | 439 | EXLOG |
| 2770.0 | | | DC | 0.1 | 0.8 | | 0.6 | 132.8 | | 0.1 | 437 | EXLOG |
| 2780.0 | | | DC | 0.1 | 0.8 | | 0.5 | 152.9 | | 0.1 | 438 | EXLOG |
| 2790.0 | | | DC | 0.1 | 0.7 | | 0.6 | 119.6 | | 0.1 | 440 | EXLOG |
| 2800.0 | | | DC | 0.1 | 0.7 | | 0.4 | 169.8 | | 0.1 | 439 | EXLOG |
| 2810.0 | | | DC | 0.1 | 0.8 | | 0.6 | 123.8 | | 0.1 | 439 | EXLOG |
| 2820.0 | | | DC | 0.1 | 0.8 | | 0.6 | 131.7 | | 0.1 | 439 | EXLOG |
| 2830.0 | | | DC | 0.1 | 1.4 | | 0.9 | 145.2 | | 0.1 | 441 | EXLOG |
| 2840.0 | | | DC | 0.1 | 1.6 | | 1.0 | 161.8 | | 0.1 | 445 | EXLOG |
| 2850.0 | | | DC | 0.1 | 0.8 | | 0.6 | 123.4 | | 0.1 | 439 | EXLOG |
| 2860.0 | | | DC | 0.1 | 1.0 | | 0.7 | 144.8 | | 0.1 | 442 | EXLOG |
| 2870.0 | | | DC | 0.1 | 0.5 | | 0.4 | 114.0 | | 0.1 | 439 | EXLOG |
| 2880.0 | | | DC | 0.1 | 0.5 | | 0.4 | 118.2 | | 0.1 | 436 | EXLOG |
| 2890.0 | | | DC | 0.1 | 0.6 | | 0.5 | 117.6 | | 0.1 | 442 | EXLOG |
| 2900.0 | | | DC | 0.1 | 0.6 | | 0.5 | 118.8 | | 0.1 | 446 | EXLOG |
| 2905.0 | | | DC | 0.1 | 0.6 | | 0.5 | 118.8 | | 0.1 | 441 | EXLOG |
| 2910.0 | | | DC | 0.1 | 0.7 | | 0.8 | 92.3 | | 0.1 | 441 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2915.0 | | | DC | 0.1 | 1.5 | | 1.0 | 144.2 | | 0.1 | 443 | EXLOG |
| 2920.0 | | | DC | 0.2 | 2.7 | | 1.4 | 189.3 | | 0.1 | 444 | EXLOG |
| 2925.0 | | | DC | 0.1 | 3.0 | | 1.4 | 212.2 | | 0.0 | 446 | EXLOG |
| 2930.0 | | | DC | 0.1 | 2.5 | | 1.4 | 179.9 | | 0.0 | 440 | EXLOG |
| 2935.0 | | | DC | 0.1 | 1.2 | | 0.9 | 133.0 | | 0.1 | 440 | EXLOG |
| 2940.0 | | | DC | 0.1 | 0.7 | | 0.6 | 116.9 | | 0.1 | 440 | EXLOG |
| 2945.0 | | | DC | 0.1 | 1.5 | | 1.0 | 149.5 | | 0.1 | 435 | EXLOG |
| 2950.0 | | | DC | 0.1 | 0.7 | | 1.1 | 59.1 | | 0.1 | 435 | EXLOG |
| 2955.0 | | | DC | 0.2 | 2.0 | | 1.2 | 159.3 | | 0.1 | 431 | EXLOG |
| 2960.0 | | | DC | 0.3 | 3.6 | | 1.6 | 223.5 | | 0.1 | 433 | EXLOG |
| 2965.0 | | | DC | 0.3 | 4.0 | | 1.7 | 235.5 | | 0.1 | 436 | EXLOG |
| 2970.0 | | | DC | 0.3 | 3.5 | | 1.6 | 210.4 | | 0.1 | 432 | EXLOG |
| 2975.0 | | | DC | 0.3 | 2.0 | | 1.5 | 127.9 | | 0.1 | 429 | EXLOG |
| 2980.0 | | | DC | 0.4 | 2.9 | | 1.3 | 222.0 | | 0.1 | 434 | EXLOG |
| 2985.0 | | | DC | 0.3 | 3.7 | | 1.5 | 246.1 | | 0.1 | 438 | EXLOG |
| 2990.0 | | | DC | 0.3 | 2.7 | | 1.2 | 214.5 | | 0.1 | 440 | EXLOG |
| 2995.0 | | | DC | 1.0 | 2.9 | | 1.4 | 213.9 | | 0.2 | 438 | EXLOG |
| 3000.0 | | | DC | 0.4 | 2.4 | | 1.2 | 193.4 | | 0.1 | 440 | EXLOG |
| 3005.0 | | | DC | 0.2 | 2.6 | | 1.4 | 191.1 | | 0.1 | 441 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Group/Fm | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3010.0 | | | DC | 0.1 | 1.6 | | 1.3 | 130.4 | | 0.1 | 442 | EXLOG |
| 3015.0 | | | DC | 0.1 | 0.9 | | 1.1 | 82.5 | | 0.1 | 445 | EXLOG |
| 3020.0 | | | DC | 0.1 | 0.7 | | 1.1 | 60.5 | | 0.1 | 447 | EXLOG |
| 3025.0 | | | DC | 0.1 | 0.5 | | 0.9 | 54.7 | | 0.1 | 441 | EXLOG |
| 3030.0 | | | DC | 0.1 | 0.4 | | 0.8 | 47.0 | | 0.2 | 433 | EXLOG |
| 3035.0 | | | DC | 0.0 | 0.3 | | 0.5 | 65.4 | | 0.1 | 433 | EXLOG |
| 3040.0 | | | DC | 0.0 | 0.2 | | 0.1 | 141.7 | | 0.1 | 428 | EXLOG |
| 3045.0 | | | DC | 0.0 | 0.3 | | 0.2 | 120.8 | | 0.1 | 427 | EXLOG |
| 3050.0 | | | DC | 0.0 | 0.2 | | 0.2 | 95.8 | | 0.1 | 423 | EXLOG |
| 3055.0 | | | DC | 0.0 | 0.4 | | 0.4 | 100.0 | | 0.1 | 431 | EXLOG |
| 3060.0 | | | DC | 0.1 | 0.5 | | 0.6 | 88.1 | | 0.1 | 434 | EXLOG |
| 3065.0 | | | DC | 0.1 | 0.3 | | 0.6 | 48.3 | | 0.3 | 425 | EXLOG |
| 3070.0 | | | DC | 0.0 | 0.2 | | 0.5 | 42.6 | | 0.1 | 428 | EXLOG |
| 3075.0 | | | DC | 0.0 | 0.2 | | 0.7 | 24.7 | | 0.1 | 431 | EXLOG |
| 3080.0 | | | DC | 0.0 | 0.3 | | 0.6 | 43.9 | | 0.1 | 427 | EXLOG |
| 3085.0 | | | DC | 0.1 | 0.4 | | 0.6 | 69.4 | | 0.1 | 433 | EXLOG |
| 3090.0 | | | DC | 0.0 | 0.2 | | 0.5 | 47.9 | | 0.1 | 431 | EXLOG |
| 3095.0 | | | DC | 0.1 | 0.5 | | 0.6 | 77.4 | | 0.1 | 431 | EXLOG |
| 3100.0 | | | DC | 0.0 | 0.3 | | 0.5 | 66.7 | | 0.1 | 430 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3105.0 | | DC | 0.1 | 0.5 | | 0.6 | 76.9 | | 0.1 | 426 | EXLOG |
| 3110.0 | | DC | 0.1 | 0.4 | | 0.6 | 61.0 | | 0.2 | 427 | EXLOG |
| 3115.0 | | DC | 0.0 | 0.4 | | 0.7 | 58.0 | | 0.1 | 432 | EXLOG |
| 3120.0 | | DC | 0.0 | 0.3 | | 0.6 | 50.0 | | 0.1 | 430 | EXLOG |
| 3125.0 | | DC | 0.0 | 0.5 | | 0.9 | 55.8 | | 0.1 | 432 | EXLOG |
| 3135.0 | | DC | 0.0 | 0.3 | | 0.6 | 44.6 | | 0.1 | 426 | EXLOG |
| 3140.0 | | DC | 0.0 | 0.3 | | 0.4 | 63.6 | | 0.1 | 432 | EXLOG |
| 3145.0 | | DC | 0.0 | 0.1 | | 0.2 | 45.5 | | 0.1 | | EXLOG |
| 3150.0 | | DC | 0.0 | 0.0 | | 0.2 | 26.7 | | 0.2 | | EXLOG |
| 3155.0 | | DC | 0.0 | 0.0 | | 0.1 | 20.0 | | 0.0 | | EXLOG |
| 3160.0 | | DC | 0.0 | 0.0 | | 0.1 | 0.0 | | 1.0 | | EXLOG |
| 3165.0 | | DC | 0.0 | 0.0 | | 0.1 | 33.3 | | 0.4 | | EXLOG |
| 3170.0 | | DC | 0.0 | 0.0 | | 0.1 | 10.0 | | 0.0 | | EXLOG |
| 3175.0 | | DC | 0.0 | 0.0 | | 0.0 | | | 0.0 | | EXLOG |
| 3180.0 | | DC | 0.0 | 0.0 | | 0.0 | | | 0.0 | | EXLOG |
| 3185.0 | | DC | 0.0 | 0.0 | | 0.0 | | | 0.2 | | EXLOG |
| 3190.0 | | DC | 0.0 | 0.0 | | 0.0 | | | 0.4 | | EXLOG |
| 3195.0 | | DC | 0.0 | 0.0 | | 0.0 | | | 0.3 | | EXLOG |
| 3200.0 | | DC | 0.0 | 0.1 | | 0.0 | | | 0.0 | | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3205.0 | | DC | 0.0 | 0.1 | | 0.0 | | | 0.2 | | EXLOG |
| 3210.0 | | DC | 0.0 | 0.1 | | 0.0 | | | 0.1 | | EXLOG |
| 3215.0 | | DC | 0.1 | 0.1 | | 0.0 | | | 0.3 | | EXLOG |
| 3220.0 | | DC | 0.0 | 0.1 | | 0.1 | 57.1 | | 0.3 | | EXLOG |
| 3225.0 | | DC | 0.1 | 0.3 | | 0.6 | 51.8 | | 0.2 | 431 | EXLOG |
| 3230.0 | | DC | 0.0 | 0.1 | | 0.2 | 52.9 | | 0.2 | | EXLOG |
| 3235.0 | | DC | 0.1 | 0.1 | | 0.1 | 77.8 | | 0.4 | | EXLOG |
| 3240.0 | | DC | 0.0 | 0.1 | | 0.2 | 68.8 | | 0.3 | | EXLOG |
| 3245.0 | | DC | 0.1 | 0.1 | | 0.2 | 61.1 | | 0.4 | | EXLOG |
| 3250.0 | | DC | 0.0 | 0.1 | | 0.1 | 85.7 | | 0.1 | | EXLOG |
| 3255.0 | | DC | 0.1 | 0.3 | | 0.3 | 78.8 | | 0.2 | 432 | EXLOG |
| 3260.0 | | DC | 0.0 | 0.2 | | 0.2 | 77.3 | | 0.1 | | EXLOG |
| 3265.0 | | DC | 0.0 | 0.2 | | 0.2 | 88.9 | | 0.2 | | EXLOG |
| 3270.0 | | DC | 0.0 | 0.2 | | 0.2 | 75.0 | | 0.2 | | EXLOG |
| 3275.0 | | DC | 0.1 | 0.2 | | 0.3 | 65.5 | | 0.2 | | EXLOG |
| 3280.0 | | DC | 0.0 | 0.3 | | 0.4 | 75.0 | | 0.1 | 435 | EXLOG |
| 3285.0 | | DC | 0.0 | 0.1 | | 0.2 | 82.4 | | 0.2 | | EXLOG |
| 3290.0 | | DC | 0.1 | 0.1 | | 0.2 | 66.7 | | 0.3 | | EXLOG |
| 3295.0 | | DC | 0.1 | 0.2 | | 0.2 | 88.2 | | 0.3 | | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3300.0 | | DC | 0.1 | 0.2 | | 0.3 | 81.5 | | 0.2 | 436 | EXLOG |
| 3310.0 | | DC | 0.1 | 0.3 | | 0.4 | 67.6 | | 0.3 | 433 | EXLOG |
| 3320.0 | | DC | 0.1 | 0.3 | | 0.5 | 63.8 | | 0.2 | 432 | EXLOG |
| 3330.0 | | DC | 0.1 | 0.2 | | 0.2 | 100.0 | | 0.3 | | EXLOG |
| 3340.0 | | DC | 0.0 | 0.1 | | 0.2 | 62.5 | | 0.3 | | EXLOG |
| 3350.0 | | DC | 0.0 | 0.3 | | 0.4 | 64.4 | | 0.1 | 431 | EXLOG |
| 3360.0 | | DC | 0.0 | 0.2 | | 0.5 | 51.1 | | 0.1 | 443 | EXLOG |
| 3370.0 | | DC | 0.0 | 0.2 | | 0.5 | 44.0 | | 0.1 | 441 | EXLOG |
| 3380.0 | | DC | 0.1 | 0.4 | | 0.8 | 48.0 | | 0.2 | 432 | EXLOG |
| 3390.0 | | DC | 0.1 | 0.2 | | 0.6 | 34.9 | | 0.2 | 435 | EXLOG |
| 3400.0 | | DC | 0.0 | 0.1 | | 0.4 | 27.3 | | 0.2 | | EXLOG |
| 3410.0 | | DC | 0.0 | 0.2 | | 0.7 | 29.9 | | 0.2 | 441 | EXLOG |
| 3420.0 | | DC | 0.0 | 0.2 | | 0.5 | 44.9 | | 0.2 | 437 | EXLOG |
| 3430.0 | | DC | 0.1 | 0.3 | | 0.5 | 50.0 | | 0.2 | 429 | EXLOG |
| 3440.0 | | DC | 0.0 | 0.2 | | 0.6 | 33.9 | | 0.2 | 441 | EXLOG |
| 3450.0 | | DC | 0.1 | 0.7 | | 1.1 | 62.4 | | 0.1 | 432 | EXLOG |
| 3460.0 | | DC | 0.0 | 0.2 | | 0.5 | 29.6 | | 0.2 | | EXLOG |
| 3470.0 | | DC | 0.0 | 0.2 | | 0.5 | 32.0 | | 0.2 | | EXLOG |
| 3480.0 | | DC | 0.1 | 0.2 | | 0.7 | 24.3 | | 0.3 | | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3490.0 | | DC | 0.1 | 0.2 | | 0.6 | 23.8 | | 0.3 | | EXLOG |
| 3500.0 | | DC | 0.1 | 0.1 | | 0.5 | 29.2 | | 0.3 | | EXLOG |
| 3510.0 | | DC | 0.1 | 0.1 | | 0.5 | 27.5 | | 0.3 | | EXLOG |
| 3520.0 | | DC | 0.1 | 0.2 | | 0.5 | 36.5 | | 0.3 | | EXLOG |
| 3530.0 | | DC | 0.4 | 0.5 | | 0.6 | 90.0 | | 0.4 | 430 | EXLOG |
| 3535.0 | | DC | 3.5 | 0.2 | | 0.7 | 34.3 | | 0.9 | 437 | EXLOG |
| 3540.0 | | DC | 3.5 | 0.3 | | 0.6 | 43.9 | | 0.9 | 435 | EXLOG |
| 3545.0 | | DC | 3.3 | 0.3 | | 0.5 | 61.1 | | 0.9 | 434 | EXLOG |
| 3550.0 | | DC | 2.7 | 0.2 | | 0.6 | 37.5 | | 0.9 | 434 | EXLOG |
| 3555.0 | | DC | 3.7 | 0.3 | | 0.6 | 40.6 | | 0.9 | 436 | EXLOG |
| 3560.0 | | DC | 6.2 | 0.4 | | 0.5 | 87.5 | | 0.9 | 431 | EXLOG |
| 3565.0 | | DC | 3.3 | 0.4 | | 0.5 | 84.8 | | 0.9 | 430 | EXLOG |
| 3570.0 | | DC | 3.7 | 0.3 | | 0.4 | 77.5 | | 0.9 | 435 | EXLOG |
| 3575.0 | | DC | 2.8 | 0.1 | | 0.3 | 48.3 | | 1.0 | | EXLOG |
| 3580.0 | | DC | 0.3 | 0.6 | | 0.8 | 77.3 | | 0.4 | 426 | EXLOG |
| 3585.0 | | DC | 0.6 | 0.7 | | 0.8 | 89.9 | | 0.4 | 431 | EXLOG |
| 3590.0 | | DC | 2.1 | 0.5 | | 0.4 | 113.3 | | 0.8 | 437 | EXLOG |
| 3595.0 | | DC | 4.5 | 0.6 | | 0.4 | 148.6 | | 0.9 | 438 | EXLOG |
| 3600.0 | | DC | 8.0 | 0.7 | | 0.6 | 123.2 | | 0.9 | 430 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3605.0 | | DC | 6.6 | 0.6 | | 0.5 | 113.7 | | 0.9 | 435 | EXLOG |
| 3610.0 | | DC | 4.8 | 0.3 | | 0.4 | 72.1 | | 0.9 | 433 | EXLOG |
| 3615.0 | | DC | 2.7 | 0.6 | | 0.6 | 100.0 | | 0.8 | 433 | EXLOG |
| 3620.0 | | DC | 1.7 | 0.3 | | 0.7 | 44.6 | | 0.8 | 425 | EXLOG |
| 3625.0 | | DC | 0.4 | 0.6 | | 0.7 | 87.3 | | 0.4 | 418 | EXLOG |
| 3630.0 | | DC | 0.2 | 0.7 | | 0.9 | 76.6 | | 0.2 | 422 | EXLOG |
| 3635.0 | | DC | 0.2 | 0.4 | | 0.8 | 53.8 | | 0.3 | 422 | EXLOG |
| 3640.0 | | DC | 0.1 | 0.3 | | 0.7 | 35.6 | | 0.2 | 423 | EXLOG |
| 3645.0 | | DC | 0.1 | 0.4 | | 0.9 | 51.2 | | 0.2 | 428 | EXLOG |
| 3650.0 | | DC | 0.2 | 0.6 | | 1.2 | 53.8 | | 0.2 | 431 | EXLOG |
| 3655.0 | | DC | 0.3 | 0.5 | | 1.2 | 44.1 | | 0.3 | 425 | EXLOG |
| 3660.0 | | DC | 0.2 | 0.9 | | 1.8 | 50.6 | | 0.2 | 431 | EXLOG |
| 3665.0 | | DC | 5.0 | 0.9 | | 1.3 | 71.1 | | 0.8 | 432 | EXLOG |
| 3670.0 | | DC | 7.3 | 1.4 | | 1.2 | 115.3 | | 0.8 | 437 | EXLOG |
| 3675.0 | | DC | 9.6 | 0.6 | | 0.6 | 98.5 | | 0.9 | 434 | EXLOG |
| 3680.0 | | DC | 3.5 | 0.4 | | 0.7 | 52.8 | | 0.9 | 429 | EXLOG |
| 3685.0 | | DC | 2.6 | 0.3 | | 0.6 | 49.2 | | 0.9 | 426 | EXLOG |
| 3690.0 | | DC | 2.8 | 0.3 | | 1.1 | 31.5 | | 0.9 | 425 | EXLOG |
| 3695.0 | | DC | 1.1 | 0.6 | | 1.0 | 60.4 | | 0.7 | 425 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3700.0 | | DC | 0.5 | 1.3 | | 1.7 | 75.3 | | 0.3 | 423 | EXLOG |
| 3705.0 | | DC | 2.6 | 0.4 | | 0.8 | 46.9 | | 0.9 | 420 | EXLOG |
| 3710.0 | | DC | 6.8 | 0.2 | | 0.6 | 35.6 | | 1.0 | 421 | EXLOG |
| 3715.0 | | DC | 4.2 | 0.2 | | 0.6 | 34.9 | | 1.0 | 427 | EXLOG |
| 3720.0 | | DC | 6.6 | 0.3 | | 0.8 | 31.0 | | 1.0 | 412 | EXLOG |
| 3725.0 | | DC | 3.3 | 0.4 | | 1.0 | 41.8 | | 0.9 | 432 | EXLOG |
| 3730.0 | | DC | 0.4 | 0.6 | | 1.0 | 62.2 | | 0.4 | 411 | EXLOG |
| 3735.0 | | DC | 0.5 | 0.6 | | 1.3 | 45.7 | | 0.4 | 417 | EXLOG |
| 3740.0 | | DC | 0.3 | 0.5 | | 1.0 | 46.1 | | 0.4 | 418 | EXLOG |
| 3745.0 | | DC | 0.3 | 0.5 | | 1.0 | 50.5 | | 0.4 | 413 | EXLOG |
| 3750.0 | | DC | 2.1 | 1.6 | | 2.0 | 82.1 | | 0.6 | 413 | EXLOG |
| 3755.0 | | DC | 0.6 | 0.6 | | 1.1 | 53.2 | | 0.5 | 422 | EXLOG |
| 3756.0 | | SWC | 3.7 | 12.5 | | 2.2 | 570.3 | | 0.2 | 379 | EXLOG |
| 3760.0 | | DC | 0.5 | 0.5 | | 0.9 | 56.5 | | 0.5 | 411 | EXLOG |
| 3765.0 | | DC | 6.6 | 0.3 | | 0.8 | 36.1 | | 1.0 | 424 | EXLOG |
| 3765.5 | | SWC | 1.5 | 21.8 | | 2.8 | 786.6 | | 0.1 | | EXLOG |
| 3770.0 | | DC | 10.8 | 1.6 | | 0.9 | 173.4 | | 0.9 | 435 | EXLOG |
| 3774.0 | | SWC | 7.1 | 32.8 | | 8.4 | 390.8 | | 0.2 | 426 | EXLOG |
| 3775.0 | | DC | 18.3 | 33.4 | | 6.0 | 560.1 | | 0.4 | 421 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3778.5 | | SWC | 9.1 | 39.9 | | 8.4 | 474.1 | | 0.2 | 432 | EXLOG |
| 3780.0 | | DC | 20.0 | 35.0 | | 6.0 | 583.3 | | 0.4 | 432 | EXLOG |
| 3785.0 | | DC | 21.8 | 29.5 | | 5.4 | 547.9 | | 0.4 | 432 | EXLOG |
| 3790.0 | | DC | 25.0 | 26.5 | | 4.7 | 562.5 | | 0.5 | 431 | EXLOG |
| 3792.5 | | SWC | 9.3 | 26.2 | | 6.3 | 415.6 | | 0.3 | 430 | EXLOG |
| 3795.0 | | DC | 18.3 | 15.9 | | 3.1 | 515.3 | | 0.5 | 434 | EXLOG |
| 3800.0 | | DC | 27.1 | 11.4 | | 2.2 | 524.8 | | 0.7 | 435 | EXLOG |
| 3800.5 | | SWC | 8.9 | 35.1 | | 4.0 | 882.7 | | 0.2 | 385 | EXLOG |
| 3802.0 | | DC | 33.8 | 5.9 | | 1.7 | 349.1 | | 0.9 | 430 | EXLOG |
| 3805.0 | | DC | 17.0 | 9.7 | | 4.4 | 220.5 | | 0.6 | 433 | EXLOG |
| 3805.5 | | SWC | 11.0 | 30.3 | | 8.5 | 355.7 | | 0.3 | 418 | EXLOG |
| 3807.0 | | DC | 20.7 | 13.4 | | 4.9 | 275.8 | | 0.6 | 434 | EXLOG |
| 3810.0 | | DC | 21.0 | 12.5 | | 4.7 | 265.8 | | 0.6 | 436 | EXLOG |
| 3812.0 | | DC | 16.4 | 24.3 | | 6.9 | 351.4 | | 0.4 | 438 | EXLOG |
| 3814.0 | | SWC | 8.0 | 21.1 | | 6.5 | 327.4 | | 0.3 | 441 | EXLOG |
| 3815.0 | | DC | 15.4 | 23.0 | | 6.4 | 357.8 | | 0.4 | 442 | EXLOG |
| 3817.0 | | DC | 14.7 | 15.8 | | 4.0 | 393.3 | | 0.5 | 431 | EXLOG |
| 3820.0 | | DC | 11.3 | 16.8 | | 4.3 | 387.3 | | 0.4 | 423 | EXLOG |
| 3820.1 | | DC | 12.8 | 4.5 | | 1.8 | 256.0 | | 0.7 | 426 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3822.0 | | DC | 13.1 | 21.0 | | 5.9 | 354.9 | | 0.4 | 426 | EXLOG |
| 3825.0 | | DC | 15.3 | 10.1 | | 3.2 | 317.0 | | 0.6 | 435 | EXLOG |
| 3827.0 | | DC | 13.0 | 8.0 | | 5.6 | 142.6 | | 0.6 | 435 | EXLOG |
| 3830.0 | | DC | 12.1 | 17.2 | | 5.2 | 330.8 | | 0.4 | 432 | EXLOG |
| 3832.0 | | DC | 8.9 | 13.9 | | 4.5 | 307.5 | | 0.4 | 434 | EXLOG |
| 3835.0 | | DC | 10.2 | 15.9 | | 4.7 | 338.3 | | 0.4 | 430 | EXLOG |
| 3837.0 | | DC | 8.4 | 15.5 | | 4.7 | 328.5 | | 0.4 | 432 | EXLOG |
| 3840.0 | | DC | 7.6 | 13.3 | | 4.3 | 306.7 | | 0.4 | 434 | EXLOG |
| 3842.0 | | DC | 6.8 | 12.2 | | 4.4 | 275.6 | | 0.4 | 436 | EXLOG |
| 3845.0 | | DC | 6.2 | 6.3 | | 2.6 | 242.5 | | 0.5 | 435 | EXLOG |
| 3847.0 | | DC | 5.6 | 6.0 | | 2.5 | 234.9 | | 0.5 | 441 | EXLOG |
| 3850.0 | | DC | 6.2 | 10.6 | | 3.9 | 270.7 | | 0.4 | 435 | EXLOG |
| 3852.0 | | DC | 6.3 | 11.5 | | 3.4 | 337.4 | | 0.4 | 435 | EXLOG |
| 3855.0 | | DC | 5.3 | 14.2 | | 3.7 | 385.6 | | 0.3 | 431 | EXLOG |
| 3857.0 | | DC | 6.8 | 18.3 | | 5.0 | 368.8 | | 0.3 | 436 | EXLOG |
| 3860.0 | | DC | 5.2 | 11.8 | | 4.8 | 244.9 | | 0.3 | 431 | EXLOG |
| 3862.0 | | DC | 4.5 | 6.7 | | 3.5 | 188.2 | | 0.4 | 437 | EXLOG |
| 3865.0 | | DC | 3.6 | 8.0 | | 5.7 | 139.7 | | 0.3 | 431 | EXLOG |
| 3867.0 | | DC | 0.8 | 14.4 | | 4.0 | 364.0 | | 0.1 | 428 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3870.0 | | DC | 2.1 | 4.9 | | 2.3 | 213.0 | | 0.3 | 437 | EXLOG |
| 3872.0 | | DC | 1.8 | 5.9 | | 3.5 | 169.9 | | 0.2 | 437 | EXLOG |
| 3875.0 | | DC | 2.5 | 5.4 | | 2.5 | 214.4 | | 0.3 | 438 | EXLOG |
| 3877.0 | | DC | 3.6 | 5.3 | | 2.5 | 214.5 | | 0.4 | 436 | EXLOG |
| 3880.0 | | DC | 2.9 | 4.8 | | 2.4 | 196.3 | | 0.4 | 437 | EXLOG |
| 3882.0 | | DC | 3.2 | 3.7 | | 2.2 | 172.2 | | 0.5 | 438 | EXLOG |
| 3885.0 | | DC | 3.6 | 4.4 | | 2.4 | 184.9 | | 0.5 | 440 | EXLOG |
| 3887.0 | | DC | 3.4 | 4.5 | | 2.7 | 168.2 | | 0.4 | 437 | EXLOG |
| 3890.0 | | DC | 2.5 | 3.5 | | 2.4 | 144.8 | | 0.4 | 436 | EXLOG |
| 3892.0 | | DC | 3.4 | 6.3 | | 3.7 | 170.6 | | 0.4 | 439 | EXLOG |
| 3895.0 | | DC | 4.5 | 7.2 | | 4.4 | 162.2 | | 0.4 | 439 | EXLOG |
| 3897.0 | | DC | 3.9 | 7.5 | | 4.1 | 181.9 | | 0.3 | 437 | EXLOG |
| 3900.0 | | DC | 7.0 | 6.6 | | 4.7 | 138.6 | | 0.5 | 444 | EXLOG |
| 3902.0 | | DC | 4.6 | 3.4 | | 1.9 | 175.0 | | 0.6 | 443 | EXLOG |
| 3905.0 | | DC | 4.1 | 3.7 | | 2.3 | 160.3 | | 0.5 | 438 | EXLOG |
| 3907.0 | | DC | 6.4 | 3.4 | | 2.4 | 143.5 | | 0.7 | 434 | EXLOG |
| 3910.0 | | DC | 6.0 | 7.7 | | 6.5 | 118.6 | | 0.4 | 438 | EXLOG |
| 3912.0 | | DC | 6.8 | 8.5 | | 9.1 | 93.8 | | 0.4 | 438 | EXLOG |
| 3915.0 | | DC | 5.0 | 5.8 | | 5.6 | 105.2 | | 0.5 | 438 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3917.0 | | DC | 5.5 | 5.1 | | 4.5 | 112.0 | | 0.5 | 442 | EXLOG |
| 3920.0 | | DC | 4.8 | 5.9 | | 4.8 | 122.5 | | 0.4 | 441 | EXLOG |
| 3922.0 | | DC | 3.3 | 3.6 | | 4.1 | 87.4 | | 0.5 | 441 | EXLOG |
| 3925.0 | | DC | 3.8 | 4.3 | | 0.8 | 548.7 | | 0.5 | 443 | EXLOG |
| 3927.0 | | DC | 3.2 | 3.5 | | 3.3 | 108.6 | | 0.5 | 442 | EXLOG |
| 3930.0 | | DC | 3.9 | 4.8 | | 3.8 | 126.8 | | 0.4 | 442 | EXLOG |
| 3932.0 | | DC | 0.9 | 2.4 | | 2.0 | 123.6 | | 0.3 | 432 | EXLOG |
| 3935.0 | | DC | 0.8 | 2.8 | | 2.6 | 106.5 | | 0.2 | 426 | EXLOG |
| 3937.0 | | DC | 2.7 | 3.3 | | 4.6 | 71.5 | | 0.5 | 438 | EXLOG |
| 3940.0 | | DC | 3.9 | 4.4 | | 6.1 | 71.6 | | 0.5 | 439 | EXLOG |
| 3942.0 | | DC | 4.0 | 4.3 | | 3.8 | 111.5 | | 0.5 | 436 | EXLOG |
| 3945.0 | | DC | 3.6 | 2.9 | | 2.7 | 108.9 | | 0.6 | 437 | EXLOG |
| 3947.0 | | DC | 3.3 | 7.1 | | 7.6 | 93.4 | | 0.3 | 431 | EXLOG |
| 3950.0 | | DC | 3.8 | 2.7 | | 2.3 | 117.5 | | 0.6 | 440 | EXLOG |
| 3952.0 | | DC | 3.9 | 2.5 | | 4.6 | 55.6 | | 0.6 | 445 | EXLOG |
| 3955.0 | | DC | 1.6 | 2.5 | | 5.2 | 48.9 | | 0.4 | 439 | EXLOG |
| 3957.0 | | DC | 1.5 | 6.5 | | 7.9 | 82.2 | | 0.2 | 441 | EXLOG |
| 3960.0 | | DC | 4.0 | 6.8 | | 8.2 | 82.3 | | 0.4 | 439 | EXLOG |
| 3962.0 | | DC | 2.8 | 2.4 | | 2.2 | 110.2 | | 0.5 | 440 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3965.0 | | DC | 2.9 | 2.1 | | 2.0 | 109.2 | | 0.6 | 439 | EXLOG |
| 3977.0 | | DC | 3.3 | 7.1 | | 2.3 | 303.4 | | 0.3 | 437 | EXLOG |
| 3980.0 | | DC | 3.0 | 9.1 | | 3.3 | 275.6 | | 0.2 | 404 | EXLOG |
| 3982.0 | | DC | 2.4 | 3.0 | | 2.7 | 109.9 | | 0.4 | 437 | EXLOG |
| 3985.0 | | DC | 2.2 | 3.5 | | 2.8 | 121.8 | | 0.4 | 438 | EXLOG |
| 3987.0 | | DC | 2.0 | 3.6 | | 4.1 | 89.0 | | 0.4 | 447 | EXLOG |
| 3990.0 | | DC | 1.7 | 3.0 | | 2.7 | 112.5 | | 0.4 | 437 | EXLOG |
| 3992.0 | | DC | 1.5 | 2.8 | | 3.0 | 95.9 | | 0.3 | 436 | EXLOG |
| 4007.0 | | DC | 1.5 | 2.5 | | 3.1 | 79.9 | | 0.4 | 440 | EXLOG |
| 4010.0 | | DC | 1.4 | 2.3 | | 3.2 | 70.1 | | 0.4 | 438 | EXLOG |
| 4012.0 | | DC | 1.5 | 4.3 | | 4.9 | 88.7 | | 0.3 | 435 | EXLOG |
| 4015.0 | | DC | 1.9 | 4.7 | | 7.7 | 60.2 | | 0.3 | 434 | EXLOG |
| 4017.0 | | DC | 2.1 | 3.7 | | 3.8 | 97.9 | | 0.4 | 435 | EXLOG |
| 4020.0 | | DC | 1.4 | 4.2 | | 4.6 | 90.5 | | 0.3 | 435 | EXLOG |
| 4022.0 | | DC | 1.7 | 6.5 | | 6.4 | 100.5 | | 0.2 | 433 | EXLOG |
| 4025.0 | | DC | 2.3 | 2.5 | | 2.4 | 103.7 | | 0.5 | 440 | EXLOG |
| 4027.0 | | DC | 2.2 | 2.9 | | 3.7 | 78.3 | | 0.4 | 439 | EXLOG |
| 4030.0 | | DC | 2.3 | 3.3 | | 3.9 | 84.1 | | 0.4 | 443 | EXLOG |
| 4032.0 | | DC | 2.7 | 3.3 | | 4.5 | 73.8 | | 0.4 | 437 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4035.0 | | DC | 1.7 | 2.1 | | 2.8 | 74.6 | | 0.4 | 439 | EXLOG |
| 4037.0 | | DC | 2.5 | 2.3 | | 2.8 | 81.7 | | 0.5 | 436 | EXLOG |
| 4040.0 | | DC | 1.6 | 3.3 | | 3.9 | 84.6 | | 0.3 | 435 | EXLOG |
| 4042.0 | | DC | 1.3 | 2.2 | | 2.4 | 89.3 | | 0.4 | 439 | EXLOG |
| 4045.0 | | DC | 1.7 | 3.7 | | 4.2 | 88.3 | | 0.3 | 440 | EXLOG |
| 4047.0 | | DC | 1.5 | 4.8 | | 5.2 | 92.3 | | 0.2 | 435 | EXLOG |
| 4050.0 | | DC | 1.8 | 2.4 | | 2.2 | 110.1 | | 0.4 | 443 | EXLOG |
| 4052.0 | | DC | 1.7 | 2.5 | | 2.2 | 111.6 | | 0.4 | 447 | EXLOG |
| 4055.0 | | DC | 2.2 | 2.4 | | 2.1 | 113.3 | | 0.5 | 443 | EXLOG |
| 4057.0 | | DC | 1.5 | 2.2 | | 2.2 | 100.0 | | 0.4 | 444 | EXLOG |
| 4060.0 | | DC | 2.4 | 3.2 | | 1.9 | 169.9 | | 0.4 | 444 | EXLOG |
| 4062.0 | | DC | 3.0 | 3.3 | | 1.9 | 168.0 | | 0.5 | 447 | EXLOG |
| 4065.0 | | DC | 2.6 | 4.3 | | 3.6 | 118.1 | | 0.4 | 438 | EXLOG |
| 4067.0 | | DC | 4.3 | 5.3 | | 3.4 | 153.2 | | 0.5 | 447 | EXLOG |
| 4070.0 | | DC | 5.2 | 5.6 | | 3.1 | 181.4 | | 0.5 | 447 | EXLOG |
| 4072.0 | | DC | 3.2 | 3.1 | | 2.6 | 118.4 | | 0.5 | 445 | EXLOG |
| 4075.0 | | DC | 2.7 | 1.7 | | 3.0 | 55.7 | | 0.6 | 442 | EXLOG |
| 4077.0 | | DC | 3.1 | 1.1 | | 3.3 | 34.5 | | 0.7 | 442 | EXLOG |
| 4080.0 | | DC | 2.9 | 1.2 | | 2.6 | 45.8 | | 0.7 | 444 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4082.0 | | DC | 2.6 | 1.2 | | 2.9 | 40.1 | | 0.7 | 442 | EXLOG |
| 4085.0 | | DC | 2.3 | 1.2 | | 2.4 | 51.9 | | 0.7 | 442 | EXLOG |
| 4087.0 | | DC | 2.2 | 1.3 | | 2.3 | 54.5 | | 0.6 | 437 | EXLOG |
| 4090.0 | | DC | 2.4 | 3.3 | | 2.0 | 164.5 | | 0.4 | 436 | EXLOG |
| 4092.0 | | DC | 0.2 | 3.3 | | 2.0 | 164.5 | | 0.1 | 436 | EXLOG |
| 4092.0 | | DC | 5.1 | 6.1 | | 2.8 | 215.4 | | 0.5 | 437 | EXLOG |
| 4095.0 | | DC | 5.2 | 6.4 | | 3.5 | 182.3 | | 0.5 | 435 | EXLOG |
| 4097.0 | | DC | 4.2 | 4.8 | | 2.8 | 167.4 | | 0.5 | 439 | EXLOG |
| 4100.0 | | DC | 2.4 | 3.2 | | 2.3 | 136.2 | | 0.4 | 436 | EXLOG |
| 4102.0 | | DC | 1.2 | 1.3 | | 1.3 | 94.8 | | 0.5 | 437 | EXLOG |
| 4105.0 | | DC | 2.0 | 2.0 | | 1.2 | 157.3 | | 0.5 | 439 | EXLOG |
| 4107.0 | | DC | 5.0 | 6.0 | | 2.4 | 250.2 | | 0.5 | 437 | EXLOG |
| 4110.0 | | DC | 3.7 | 6.0 | | 2.3 | 256.6 | | 0.4 | 438 | EXLOG |
| 4112.0 | | DC | 4.2 | 7.0 | | 3.0 | 237.2 | | 0.4 | 440 | EXLOG |
| 4115.0 | | DC | 3.6 | 4.5 | | 2.7 | 165.7 | | 0.4 | 442 | EXLOG |
| 4117.0 | | DC | 4.0 | 6.8 | | 2.7 | 254.3 | | 0.4 | 439 | EXLOG |
| 4120.0 | | DC | 4.7 | 5.3 | | 2.3 | 230.6 | | 0.5 | 437 | EXLOG |
| 4122.0 | | DC | 1.4 | 1.6 | | 1.0 | 151.9 | | 0.5 | 438 | EXLOG |
| 4125.0 | | DC | 1.6 | 1.5 | | 1.0 | 148.5 | | 0.5 | 439 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4127.0 | | DC | 1.6 | 1.6 | | 1.5 | 106.5 | | 0.5 | 438 | EXLOG |
| 4130.0 | | DC | 1.7 | 2.1 | | 1.5 | 134.2 | | 0.4 | 435 | EXLOG |
| 4132.0 | | DC | 1.8 | 3.9 | | 2.5 | 158.4 | | 0.3 | 435 | EXLOG |
| 4135.0 | | DC | 3.2 | 2.5 | | 2.2 | 114.6 | | 0.6 | 436 | EXLOG |
| 4137.0 | | DC | 2.6 | 4.6 | | 3.2 | 144.2 | | 0.4 | 426 | EXLOG |
| 4140.0 | | DC | 2.4 | 1.3 | | 1.5 | 87.8 | | 0.6 | 433 | EXLOG |
| 4142.0 | | DC | 2.5 | 4.1 | | 3.2 | 128.1 | | 0.4 | 434 | EXLOG |
| 4145.0 | | DC | 3.5 | 4.0 | | 2.6 | 155.5 | | 0.5 | 435 | EXLOG |
| 4147.0 | | DC | 3.7 | 8.0 | | 3.8 | 209.5 | | 0.3 | 433 | EXLOG |
| 4150.0 | | DC | 7.9 | 14.1 | | 4.8 | 293.0 | | 0.4 | 436 | EXLOG |
| 4152.0 | | DC | 14.1 | 49.0 | | 11.8 | 416.0 | | 0.2 | 438 | EXLOG |
| 4155.0 | | DC | 7.6 | 19.4 | | 5.0 | 387.0 | | 0.3 | 436 | EXLOG |
| 4157.0 | | DC | 15.7 | 57.0 | | 14.8 | 385.9 | | 0.2 | 437 | EXLOG |
| 4160.0 | | DC | 10.3 | 14.0 | | 3.6 | 389.7 | | 0.4 | 435 | EXLOG |
| 4162.0 | | DC | 4.5 | 13.7 | | 4.8 | 284.3 | | 0.2 | 435 | EXLOG |
| 4165.0 | | DC | 8.5 | 23.4 | | 8.3 | 283.5 | | 0.3 | 431 | EXLOG |
| 4167.0 | | DC | 10.1 | 29.3 | | 8.7 | 336.7 | | 0.3 | 433 | EXLOG |
| 4170.0 | | DC | 9.0 | 29.0 | | 6.8 | 426.8 | | 0.2 | 434 | EXLOG |
| 4172.0 | | DC | 2.3 | 6.4 | | 2.7 | 234.7 | | 0.3 | 437 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4175.0 | | DC | 3.8 | 8.5 | | 2.5 | 336.1 | | 0.3 | 438 | EXLOG |
| 4177.0 | | DC | 6.1 | 17.5 | | 5.9 | 298.0 | | 0.3 | 432 | EXLOG |
| 4180.0 | | DC | 6.1 | 15.5 | | 3.8 | 409.2 | | 0.3 | 437 | EXLOG |
| 4182.0 | | DC | 10.7 | 34.6 | | 10.6 | 325.4 | | 0.2 | 433 | EXLOG |
| 4185.0 | | DC | 4.5 | 7.8 | | 2.6 | 296.2 | | 0.4 | 437 | EXLOG |
| 4187.0 | | DC | 4.8 | 11.3 | | 4.4 | 257.0 | | 0.3 | 433 | EXLOG |
| 4190.0 | | DC | 3.7 | 5.5 | | 2.3 | 237.5 | | 0.4 | 437 | EXLOG |
| 4192.0 | | DC | 2.0 | 4.2 | | 2.3 | 182.8 | | 0.3 | 432 | EXLOG |
| 4195.0 | | DC | 3.2 | 5.2 | | 2.1 | 247.9 | | 0.4 | 438 | EXLOG |
| 4197.0 | | DC | 5.4 | 19.5 | | 6.3 | 308.9 | | 0.2 | 436 | EXLOG |
| 4200.0 | | DC | 5.0 | 14.4 | | 3.8 | 378.5 | | 0.3 | 439 | EXLOG |
| 4202.0 | | DC | 3.3 | 9.4 | | 3.8 | 246.2 | | 0.3 | 436 | EXLOG |
| 4205.0 | | DC | 2.2 | 3.0 | | 1.6 | 184.0 | | 0.4 | 438 | EXLOG |
| 4207.0 | | DC | 2.2 | 4.4 | | 2.6 | 169.2 | | 0.3 | 434 | EXLOG |
| 4210.0 | | DC | 2.4 | 2.5 | | 1.3 | 188.5 | | 0.5 | 438 | EXLOG |
| 4212.0 | | DC | 0.9 | 2.2 | | 1.2 | 182.2 | | 0.3 | 434 | EXLOG |
| 4215.0 | | DC | 2.0 | 5.3 | | 2.2 | 243.4 | | 0.3 | 437 | EXLOG |
| 4217.0 | | DC | 2.7 | 5.4 | | 2.8 | 190.1 | | 0.3 | 431 | EXLOG |
| 4220.0 | | DC | 3.3 | 5.3 | | 2.4 | 216.4 | | 0.4 | 435 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4222.0 | | DC | 3.5 | 7.4 | | 3.5 | 209.7 | | 0.3 | 431 | EXLOG |
| 4225.0 | | DC | 3.4 | 2.2 | | 1.4 | 151.4 | | 0.6 | 437 | EXLOG |
| 4227.0 | | DC | 4.0 | 7.5 | | 3.5 | 216.2 | | 0.3 | 434 | EXLOG |
| 4230.0 | | DC | 3.1 | 3.2 | | 2.0 | 162.6 | | 0.5 | 436 | EXLOG |
| 4232.0 | | DC | 3.5 | 8.1 | | 3.8 | 213.5 | | 0.3 | 435 | EXLOG |
| 4235.0 | | DC | 4.2 | 13.1 | | 4.6 | 286.5 | | 0.2 | 438 | EXLOG |
| 4237.0 | | DC | 4.0 | 7.6 | | 3.5 | 214.7 | | 0.3 | 430 | EXLOG |
| 4240.0 | | DC | 3.8 | 4.3 | | 2.5 | 173.8 | | 0.5 | 438 | EXLOG |
| 4242.0 | | DC | 3.7 | 7.6 | | 3.3 | 228.4 | | 0.3 | 434 | EXLOG |
| 4245.0 | | DC | 2.2 | 2.3 | | 1.5 | 147.4 | | 0.5 | 439 | EXLOG |
| 4247.0 | | DC | 2.2 | 4.4 | | 2.7 | 163.7 | | 0.3 | 434 | EXLOG |
| 4250.0 | | DC | 2.3 | 2.7 | | 2.0 | 134.2 | | 0.5 | 437 | EXLOG |
| 4252.0 | | DC | 2.5 | 4.5 | | 3.0 | 153.2 | | 0.4 | 435 | EXLOG |
| 4255.0 | | DC | 1.9 | 3.2 | | 1.6 | 201.9 | | 0.4 | 440 | EXLOG |
| 4257.0 | | DC | 3.1 | 7.2 | | 3.9 | 185.3 | | 0.3 | 434 | EXLOG |
| 4260.0 | | DC | 3.2 | 6.0 | | 2.6 | 231.2 | | 0.4 | 438 | EXLOG |
| 4265.0 | | DC | 2.5 | 6.2 | | 2.6 | 242.8 | | 0.3 | 440 | EXLOG |
| 4267.0 | | DC | 2.3 | 4.4 | | 3.1 | 141.7 | | 0.3 | 433 | EXLOG |
| 4270.0 | | DC | 5.2 | 17.1 | | 4.9 | 351.4 | | 0.2 | 439 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4272.0 | | DC | 2.9 | 8.0 | | 3.9 | 204.3 | | 0.3 | 437 | EXLOG |
| 4275.0 | | DC | 2.7 | 3.7 | | 2.1 | 174.8 | | 0.4 | 438 | EXLOG |
| 4277.0 | | DC | 2.7 | 5.7 | | 3.0 | 189.0 | | 0.3 | 432 | EXLOG |
| 4280.0 | | DC | 2.3 | 2.8 | | 1.9 | 143.3 | | 0.5 | 438 | EXLOG |
| 4282.0 | | DC | 2.9 | 6.5 | | 3.9 | 167.2 | | 0.3 | 434 | EXLOG |
| 4285.0 | | DC | 1.6 | 1.9 | | 1.5 | 132.9 | | 0.5 | 438 | EXLOG |
| 4287.0 | | DC | 2.1 | 5.0 | | 2.7 | 181.7 | | 0.3 | 434 | EXLOG |
| 4290.0 | | DC | 5.4 | 16.3 | | 4.6 | 358.7 | | 0.3 | 439 | EXLOG |
| 4292.0 | | DC | 6.1 | 19.9 | | 6.8 | 290.5 | | 0.2 | 436 | EXLOG |
| 4295.0 | | DC | 4.8 | 11.6 | | 3.6 | 320.4 | | 0.3 | 439 | EXLOG |
| 4297.0 | | DC | 9.1 | 42.0 | | 12.9 | 326.6 | | 0.2 | 437 | EXLOG |
| 4300.0 | | DC | 5.8 | 24.1 | | 5.9 | 407.4 | | 0.2 | 438 | EXLOG |
| 4302.0 | | DC | 8.0 | 24.3 | | 7.9 | 305.9 | | 0.2 | 433 | EXLOG |
| 4305.0 | | DC | 3.6 | 8.5 | | 2.8 | 302.1 | | 0.3 | 439 | EXLOG |
| 4307.0 | | DC | 7.1 | 27.0 | | 8.4 | 320.4 | | 0.2 | 438 | EXLOG |
| 4310.0 | | DC | 7.1 | 27.4 | | 5.8 | 471.1 | | 0.2 | 438 | EXLOG |
| 4312.0 | | DC | 4.3 | 19.8 | | 6.6 | 298.2 | | 0.2 | 433 | EXLOG |
| 4315.0 | | DC | 5.3 | 19.1 | | 5.0 | 380.4 | | 0.2 | 438 | EXLOG |
| 4317.0 | | DC | 5.9 | 18.5 | | 7.0 | 264.2 | | 0.2 | 439 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4320.0 | | DC | 4.4 | 48.7 | | 10.5 | 463.1 | | 0.1 | 440 | EXLOG |
| 4322.0 | | DC | 9.5 | 38.2 | | 12.2 | 314.1 | | 0.2 | 438 | EXLOG |
| 4325.0 | | DC | 6.0 | 70.0 | | 12.8 | 548.0 | | 0.1 | 437 | EXLOG |
| 4327.0 | | DC | 11.8 | 46.7 | | 12.8 | 366.0 | | 0.2 | 438 | EXLOG |
| 4330.0 | | DC | 14.0 | 59.3 | | 9.5 | 626.5 | | 0.2 | 436 | EXLOG |
| 4332.0 | | DC | 13.2 | 43.2 | | 12.1 | 358.0 | | 0.2 | 439 | EXLOG |
| 4335.0 | | DC | 7.4 | 35.6 | | 6.9 | 515.7 | | 0.2 | 437 | EXLOG |
| 4337.0 | | DC | 10.1 | 30.6 | | 10.8 | 282.4 | | 0.2 | 439 | EXLOG |
| 4340.0 | | DC | 12.5 | 32.3 | | 6.6 | 491.8 | | 0.3 | 438 | EXLOG |
| 4342.0 | | DC | 8.6 | 24.7 | | 8.6 | 288.5 | | 0.3 | 438 | EXLOG |
| 4345.0 | | DC | 12.7 | 28.4 | | 7.4 | 385.6 | | 0.3 | 437 | EXLOG |
| 4347.0 | | DC | 11.1 | 26.7 | | 9.0 | 295.9 | | 0.3 | 437 | EXLOG |
| 4350.0 | | DC | 14.7 | 58.3 | | 15.4 | 378.1 | | 0.2 | 438 | EXLOG |
| 4352.0 | | DC | 11.3 | 30.8 | | 10.3 | 298.6 | | 0.3 | 437 | EXLOG |
| 4355.0 | | DC | 13.3 | 43.7 | | 9.5 | 459.3 | | 0.2 | 439 | EXLOG |
| 4357.0 | | DC | 10.6 | 24.6 | | 10.0 | 244.9 | | 0.3 | 438 | EXLOG |
| 4360.0 | | DC | 3.5 | 22.1 | | 8.0 | 277.4 | | 0.1 | 438 | EXLOG |
| 4362.0 | | DC | 6.4 | 17.2 | | 6.5 | 265.6 | | 0.3 | 438 | EXLOG |
| 4365.0 | | DC | 8.2 | 28.4 | | 8.0 | 355.8 | | 0.2 | 439 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4367.0 | | DC | 9.2 | 22.2 | | 8.7 | 255.0 | | 0.3 | 437 | EXLOG |
| 4370.0 | | DC | 8.1 | 22.8 | | 8.6 | 263.9 | | 0.3 | 438 | EXLOG |
| 4372.0 | | DC | 9.0 | 23.3 | | 8.9 | 259.8 | | 0.3 | 439 | EXLOG |
| 4375.0 | | DC | 9.0 | 28.1 | | 8.0 | 351.0 | | 0.2 | 439 | EXLOG |
| 4377.0 | | DC | 5.5 | 9.8 | | 5.7 | 172.0 | | 0.4 | 434 | EXLOG |
| 4380.0 | | DC | 8.4 | 14.9 | | 5.8 | 254.2 | | 0.4 | 438 | EXLOG |
| 4382.0 | | DC | 7.1 | 15.9 | | 6.5 | 244.1 | | 0.3 | 440 | EXLOG |
| 4385.0 | | DC | 7.6 | 16.4 | | 5.8 | 283.9 | | 0.3 | 440 | EXLOG |
| 4387.0 | | DC | 11.0 | 28.0 | | 10.7 | 261.2 | | 0.3 | 440 | EXLOG |
| 4390.0 | | DC | 4.9 | 14.3 | | 6.2 | 230.0 | | 0.3 | 437 | EXLOG |
| 4392.0 | | DC | 6.3 | 17.7 | | 7.4 | 240.9 | | 0.3 | 435 | EXLOG |
| 4395.0 | | DC | 6.3 | 11.2 | | 5.1 | 218.8 | | 0.4 | 439 | EXLOG |
| 4397.0 | | DC | 3.0 | 6.9 | | 3.3 | 209.8 | | 0.3 | 436 | EXLOG |
| 4400.0 | | DC | 2.8 | 13.9 | | 5.0 | 276.9 | | 0.2 | 439 | EXLOG |
| 4402.0 | | DC | 1.9 | 4.5 | | 2.4 | 190.7 | | 0.3 | 438 | EXLOG |
| 4405.0 | | DC | 3.7 | 3.0 | | 1.8 | 168.3 | | 0.5 | 442 | EXLOG |
| 4407.0 | | DC | 4.3 | 10.6 | | 4.8 | 221.0 | | 0.3 | 443 | EXLOG |
| 4410.0 | | DC | 5.0 | 8.3 | | 3.6 | 232.3 | | 0.4 | 442 | EXLOG |
| 4412.0 | | DC | 5.2 | 11.4 | | 5.0 | 226.6 | | 0.3 | 441 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4415.0 | | DC | 2.7 | 7.0 | | 3.5 | 200.3 | | 0.3 | 440 | EXLOG |
| 4417.0 | | DC | 4.5 | 8.0 | | 3.0 | 263.6 | | 0.4 | 437 | EXLOG |
| 4420.0 | | DC | 3.1 | 15.0 | | 6.4 | 234.6 | | 0.2 | 435 | EXLOG |
| 4422.0 | | DC | 4.2 | 7.7 | | 4.0 | 191.5 | | 0.4 | 439 | EXLOG |
| 4425.0 | | DC | 4.5 | 4.7 | | 2.6 | 176.9 | | 0.5 | 437 | EXLOG |
| 4427.0 | | DC | 0.9 | 1.7 | | 1.4 | 125.5 | | 0.3 | 442 | EXLOG |
| 4430.0 | | DC | 6.8 | 18.8 | | 6.2 | 302.4 | | 0.3 | 440 | EXLOG |
| 4432.0 | | DC | 6.8 | 10.7 | | 5.6 | 191.1 | | 0.4 | 439 | EXLOG |
| 4435.0 | | DC | 8.7 | 12.9 | | 6.0 | 215.7 | | 0.4 | 437 | EXLOG |
| 4437.0 | | DC | 10.6 | 19.8 | | 8.6 | 230.6 | | 0.3 | 442 | EXLOG |
| 4440.0 | | DC | 10.1 | 25.7 | | 8.4 | 306.7 | | 0.3 | 442 | EXLOG |
| 4442.0 | | DC | 8.9 | 17.4 | | 8.4 | 206.5 | | 0.3 | 444 | EXLOG |
| 4445.0 | | DC | 8.9 | 17.0 | | 8.3 | 205.9 | | 0.3 | 439 | EXLOG |
| 4447.0 | | DC | 9.3 | 20.9 | | 8.1 | 257.1 | | 0.3 | 445 | EXLOG |
| 4450.0 | | DC | 12.6 | 31.0 | | 8.9 | 348.6 | | 0.3 | 446 | EXLOG |
| 4452.0 | | DC | 14.8 | 35.8 | | 14.9 | 239.8 | | 0.3 | 450 | EXLOG |
| 4455.0 | | DC | 15.0 | 56.7 | | 10.7 | 531.8 | | 0.2 | 443 | EXLOG |
| 4457.0 | | DC | 14.0 | 36.2 | | 10.2 | 353.9 | | 0.3 | 446 | EXLOG |
| 4460.0 | | DC | 13.6 | 33.7 | | 13.7 | 246.3 | | 0.3 | 440 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4462.0 | | DC | 13.4 | 27.1 | | 9.9 | 273.9 | | 0.3 | 444 | EXLOG |
| 4465.0 | | DC | 12.9 | 38.4 | | 8.9 | 432.1 | | 0.3 | 442 | EXLOG |
| 4467.0 | | DC | 12.2 | 27.9 | | 13.0 | 214.4 | | 0.3 | 444 | EXLOG |
| 4470.0 | | DC | 8.9 | 21.0 | | 6.4 | 328.5 | | 0.3 | 442 | EXLOG |
| 4472.0 | | DC | 9.4 | 20.5 | | 10.3 | 198.3 | | 0.3 | 446 | EXLOG |
| 4475.0 | | DC | 8.9 | 20.2 | | 7.1 | 287.1 | | 0.3 | 441 | EXLOG |
| 4477.0 | | DC | 7.5 | 13.1 | | 7.7 | 171.2 | | 0.4 | 442 | EXLOG |
| 4480.0 | | DC | 10.2 | 28.9 | | 8.6 | 336.9 | | 0.3 | 441 | EXLOG |
| 4482.0 | | DC | 7.5 | 15.6 | | 8.3 | 187.3 | | 0.3 | 444 | EXLOG |
| 4485.0 | | DC | 5.1 | 8.3 | | 4.5 | 183.7 | | 0.4 | 442 | EXLOG |
| 4487.0 | | DC | 5.1 | 9.5 | | 5.7 | 167.0 | | 0.3 | 442 | EXLOG |
| 4490.0 | | DC | 8.2 | 14.0 | | 7.1 | 197.7 | | 0.4 | 441 | EXLOG |
| 4492.0 | | DC | 10.5 | 18.0 | | 9.8 | 182.4 | | 0.4 | 442 | EXLOG |
| 4495.0 | | DC | 10.0 | 26.0 | | 10.9 | 238.9 | | 0.3 | 443 | EXLOG |
| 4497.0 | | DC | 12.0 | 21.4 | | 11.5 | 185.8 | | 0.4 | 445 | EXLOG |
| 4500.0 | | DC | 11.9 | 28.6 | | 8.4 | 341.4 | | 0.3 | 442 | EXLOG |
| 4502.0 | | DC | 11.6 | 21.6 | | 11.7 | 185.2 | | 0.3 | 442 | EXLOG |
| 4505.0 | | DC | 8.6 | 18.6 | | 11.3 | 164.4 | | 0.3 | 440 | EXLOG |
| 4507.0 | | DC | 8.9 | 16.9 | | 10.2 | 165.0 | | 0.3 | 443 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4510.0 | | DC | 8.8 | 19.1 | | 7.6 | 250.9 | | 0.3 | 441 | EXLOG |
| 4512.0 | | DC | 4.3 | 8.2 | | 4.9 | 165.1 | | 0.3 | 444 | EXLOG |
| 4515.0 | | DC | 9.1 | 34.4 | | 7.9 | 432.3 | | 0.2 | 443 | EXLOG |
| 4517.0 | | DC | 6.9 | 18.2 | | 10.1 | 181.0 | | 0.3 | 448 | EXLOG |
| 4520.0 | | DC | 5.8 | 10.6 | | 6.2 | 171.7 | | 0.4 | 440 | EXLOG |
| 4522.0 | | DC | 7.1 | 14.3 | | 8.1 | 176.0 | | 0.3 | 445 | EXLOG |
| 4525.0 | | DC | 3.0 | 4.1 | | 3.2 | 126.6 | | 0.4 | 443 | EXLOG |
| 4527.0 | | DC | 4.6 | 7.8 | | 5.3 | 147.7 | | 0.4 | 442 | EXLOG |
| 4530.0 | | DC | 4.3 | 6.9 | | 4.7 | 146.5 | | 0.4 | 441 | EXLOG |
| 4532.0 | | DC | 4.6 | 8.5 | | 5.2 | 164.4 | | 0.3 | 441 | EXLOG |
| 4535.0 | | DC | 1.4 | 2.9 | | 3.2 | 90.1 | | 0.3 | 441 | EXLOG |
| 4537.0 | | DC | 1.7 | 5.8 | | 4.7 | 122.4 | | 0.2 | 441 | EXLOG |
| 4540.0 | | DC | 3.2 | 15.1 | | 8.9 | 168.9 | | 0.2 | 434 | EXLOG |
| 4542.0 | | DC | 3.2 | 11.4 | | 10.7 | 105.7 | | 0.2 | 440 | EXLOG |
| 4545.0 | | DC | 4.4 | 12.0 | | 9.8 | 123.0 | | 0.3 | 439 | EXLOG |
| 4547.0 | | DC | 3.1 | 11.1 | | 10.0 | 110.4 | | 0.2 | 436 | EXLOG |
| 4550.0 | | DC | 1.5 | 5.6 | | 7.6 | 73.6 | | 0.2 | 435 | EXLOG |
| 4552.0 | | DC | 2.6 | 5.6 | | 4.9 | 116.0 | | 0.3 | 438 | EXLOG |
| 4555.0 | | DC | 4.5 | 7.2 | | 6.2 | 116.0 | | 0.4 | 438 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4557.0 | | DC | 4.5 | 7.9 | | 6.2 | 127.6 | | 0.4 | 440 | EXLOG |
| 4560.0 | | DC | 6.3 | 15.5 | | 7.4 | 210.0 | | 0.3 | 440 | EXLOG |
| 4562.0 | | DC | 7.7 | 14.4 | | 10.0 | 144.8 | | 0.3 | 442 | EXLOG |
| 4565.0 | | DC | 6.3 | 10.1 | | 5.3 | 192.4 | | 0.4 | 442 | EXLOG |
| 4567.0 | | DC | 5.5 | 9.5 | | 6.2 | 154.0 | | 0.4 | 446 | EXLOG |
| 4570.0 | | DC | 3.2 | 3.6 | | 3.0 | 120.7 | | 0.5 | 439 | EXLOG |
| 4572.0 | | DC | 2.4 | 4.7 | | 3.0 | 156.3 | | 0.3 | 441 | EXLOG |
| 4575.0 | | DC | 3.5 | 3.0 | | 3.7 | 82.9 | | 0.5 | 439 | EXLOG |
| 4577.0 | | DC | 2.7 | 5.0 | | 4.2 | 120.9 | | 0.4 | 441 | EXLOG |
| 4580.0 | | DC | 4.9 | 9.8 | | 5.4 | 180.5 | | 0.3 | 443 | EXLOG |
| 4582.0 | | DC | 4.9 | 9.9 | | 6.2 | 160.9 | | 0.3 | 441 | EXLOG |
| 4585.0 | | DC | 9.5 | 25.6 | | 8.0 | 318.5 | | 0.3 | 445 | EXLOG |
| 4587.0 | | DC | 7.8 | 14.9 | | 9.1 | 163.3 | | 0.3 | 444 | EXLOG |
| 4590.0 | | DC | 4.2 | 8.6 | | 4.4 | 197.0 | | 0.3 | 442 | EXLOG |
| 4592.0 | | DC | 3.9 | 7.3 | | 4.5 | 160.3 | | 0.3 | 440 | EXLOG |
| 4595.0 | | DC | 2.3 | 3.1 | | 3.1 | 100.0 | | 0.4 | 442 | EXLOG |
| 4597.0 | | DC | 3.1 | 6.0 | | 4.3 | 140.1 | | 0.3 | 448 | EXLOG |
| 4600.0 | | DC | 5.2 | 7.8 | | 4.5 | 171.8 | | 0.4 | 443 | EXLOG |
| 4602.0 | | DC | 4.4 | 7.7 | | 4.7 | 161.9 | | 0.4 | 442 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4605.0 | | DC | 8.8 | 5.5 | | 4.0 | 138.5 | | 0.6 | 440 | EXLOG |
| 4607.0 | | DC | 3.6 | 6.4 | | 3.7 | 175.2 | | 0.4 | 441 | EXLOG |
| 4610.0 | | DC | 3.7 | 5.2 | | 3.5 | 148.7 | | 0.4 | 440 | EXLOG |
| 4612.0 | | DC | 6.1 | 12.0 | | 8.2 | 147.0 | | 0.3 | 445 | EXLOG |
| 4615.0 | | DC | 8.0 | 14.0 | | 6.5 | 215.5 | | 0.4 | 444 | EXLOG |
| 4617.0 | | DC | 7.7 | 14.5 | | 8.8 | 164.5 | | 0.3 | 445 | EXLOG |
| 4620.0 | | DC | 4.6 | 7.2 | | 5.4 | 132.6 | | 0.4 | 440 | EXLOG |
| 4622.0 | | DC | 4.8 | 8.4 | | 4.9 | 172.3 | | 0.4 | 441 | EXLOG |
| 4665.0 | | DC | 4.9 | 7.0 | | 3.2 | 217.4 | | 0.4 | 436 | EXLOG |
| 4667.0 | | DC | 3.8 | 4.9 | | 3.5 | 138.7 | | 0.4 | 438 | EXLOG |
| 4670.0 | | DC | 4.0 | 3.1 | | 3.0 | 104.1 | | 0.6 | 440 | EXLOG |
| 4672.0 | | DC | 4.4 | 5.3 | | 3.3 | 163.4 | | 0.5 | 436 | EXLOG |
| 4675.0 | | DC | 5.6 | 3.1 | | 3.0 | 104.3 | | 0.6 | 438 | EXLOG |
| 4677.0 | | DC | 3.5 | 6.3 | | 2.9 | 216.6 | | 0.4 | 439 | EXLOG |
| 4680.0 | | DC | 1.7 | 3.8 | | 3.1 | 123.9 | | 0.3 | 441 | EXLOG |
| 4682.0 | | DC | 2.7 | 3.0 | | 2.1 | 147.6 | | 0.5 | 439 | EXLOG |
| 4685.0 | | DC | 2.6 | 1.9 | | 1.7 | 110.5 | | 0.6 | 438 | EXLOG |
| 4687.0 | | DC | 4.3 | 6.6 | | 3.3 | 198.8 | | 0.4 | 437 | EXLOG |
| 4690.0 | | DC | 3.6 | 2.9 | | 2.4 | 118.0 | | 0.6 | 440 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4692.0 | | DC | 4.3 | 5.7 | | 2.9 | 197.9 | | 0.4 | 439 | EXLOG |
| 4695.0 | | DC | 12.4 | 16.0 | | 6.7 | 238.6 | | 0.4 | 435 | EXLOG |
| 4697.0 | | DC | 8.4 | 12.1 | | 5.7 | 211.9 | | 0.4 | 435 | EXLOG |
| 4700.0 | | DC | 3.3 | 2.5 | | 2.1 | 117.8 | | 0.6 | 436 | EXLOG |
| 4702.0 | | DC | 5.2 | 6.1 | | 4.1 | 147.9 | | 0.5 | 436 | EXLOG |
| 4705.0 | | DC | 7.1 | 6.6 | | 3.8 | 173.3 | | 0.5 | 435 | EXLOG |
| 4707.0 | | DC | 4.9 | 6.0 | | 3.8 | 158.7 | | 0.5 | 436 | EXLOG |
| 4710.0 | | DC | 6.6 | 5.3 | | 3.0 | 176.2 | | 0.6 | 434 | EXLOG |
| 4712.0 | | DC | 7.9 | 9.9 | | 4.0 | 246.8 | | 0.4 | 435 | EXLOG |
| 4715.0 | | DC | 2.9 | 2.6 | | 1.7 | 149.7 | | 0.5 | 437 | EXLOG |
| 4717.0 | | DC | 3.3 | 4.3 | | 2.9 | 147.9 | | 0.4 | 437 | EXLOG |
| 4720.0 | | DC | 2.9 | 2.1 | | 2.1 | 99.1 | | 0.6 | 437 | EXLOG |
| 4722.0 | | DC | 1.5 | 1.3 | | 1.4 | 91.6 | | 0.5 | 442 | EXLOG |
| 4725.0 | | DC | 8.3 | 10.9 | | 4.0 | 273.8 | | 0.4 | 434 | EXLOG |
| 4727.0 | | DC | 4.3 | 5.0 | | 2.6 | 192.7 | | 0.5 | 438 | EXLOG |
| 4730.0 | | DC | 2.7 | 2.3 | | 1.7 | 138.5 | | 0.5 | 438 | EXLOG |
| 4732.0 | | DC | 2.3 | 2.7 | | 1.9 | 145.2 | | 0.5 | 436 | EXLOG |
| 4735.0 | | DC | 4.8 | 4.1 | | 2.5 | 166.9 | | 0.5 | 438 | EXLOG |
| 4737.0 | | DC | 4.2 | 5.3 | | 3.5 | 151.3 | | 0.4 | 435 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4740.0 | | DC | 3.0 | 1.9 | | 1.7 | 115.7 | | 0.6 | 439 | EXLOG |
| 4742.0 | | DC | 2.9 | 3.8 | | 2.1 | 182.1 | | 0.4 | 437 | EXLOG |
| 4745.0 | | DC | 2.8 | 2.5 | | 2.0 | 125.5 | | 0.5 | 438 | EXLOG |
| 4747.0 | | DC | 2.1 | 1.6 | | 2.1 | 76.6 | | 0.6 | 437 | EXLOG |
| 4750.0 | | DC | 2.2 | 1.5 | | 1.8 | 86.0 | | 0.6 | 437 | EXLOG |
| 4752.0 | | DC | 2.6 | 3.4 | | 2.3 | 149.6 | | 0.4 | 440 | EXLOG |
| 4755.0 | | DC | 1.8 | 1.2 | | 1.4 | 91.1 | | 0.6 | 439 | EXLOG |
| 4757.0 | | DC | 2.2 | 2.2 | | 2.3 | 96.4 | | 0.5 | 442 | EXLOG |
| 4760.0 | | DC | 2.3 | 1.8 | | 1.8 | 104.0 | | 0.6 | 437 | EXLOG |
| 4762.0 | | DC | 2.4 | 2.8 | | 2.1 | 134.1 | | 0.5 | 439 | EXLOG |
| 4765.0 | | DC | 1.8 | 1.4 | | 1.6 | 89.2 | | 0.6 | 440 | EXLOG |
| 4767.0 | | DC | 2.3 | 1.9 | | 2.4 | 79.4 | | 0.6 | 439 | EXLOG |
| 4770.0 | | DC | 2.2 | 1.7 | | 1.7 | 101.8 | | 0.6 | 435 | EXLOG |
| 4772.0 | | DC | 3.3 | 4.1 | | 2.3 | 173.8 | | 0.4 | 440 | EXLOG |
| 4775.0 | | DC | 3.6 | 4.2 | | 2.3 | 180.3 | | 0.5 | 439 | EXLOG |
| 4777.0 | | DC | 3.5 | 4.5 | | 2.8 | 161.2 | | 0.4 | 440 | EXLOG |
| 4780.0 | | DC | 0.8 | 3.0 | | 1.8 | 164.6 | | 0.2 | 440 | EXLOG |
| 4782.0 | | DC | 6.5 | 12.2 | | 3.9 | 314.4 | | 0.3 | 438 | EXLOG |
| 4785.0 | | DC | 3.1 | 2.4 | | 1.7 | 142.0 | | 0.6 | 442 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4787.0 | | DC | 4.6 | 5.7 | | 3.1 | 180.8 | | 0.4 | 439 | EXLOG |
| 4790.0 | | DC | 4.1 | 3.6 | | 2.5 | 146.8 | | 0.5 | 439 | EXLOG |
| 4792.0 | | DC | 3.8 | 4.4 | | 2.9 | 149.5 | | 0.5 | 438 | EXLOG |
| 4795.0 | | DC | 4.7 | 4.5 | | 2.5 | 178.7 | | 0.5 | 439 | EXLOG |
| 4797.0 | | DC | 4.2 | 6.1 | | 4.2 | 147.5 | | 0.4 | 439 | EXLOG |
| 4800.0 | | DC | 5.1 | 5.5 | | 2.9 | 188.9 | | 0.5 | 439 | EXLOG |
| 4802.0 | | DC | 3.6 | 5.8 | | 3.1 | 187.7 | | 0.4 | 439 | EXLOG |
| 4805.0 | | DC | 4.4 | 3.2 | | 2.2 | 145.2 | | 0.6 | 440 | EXLOG |
| 4807.0 | | DC | 3.8 | 5.4 | | 3.7 | 144.1 | | 0.4 | 438 | EXLOG |
| 4810.0 | | DC | 6.3 | 7.4 | | 3.5 | 209.6 | | 0.5 | 437 | EXLOG |
| 4812.0 | | DC | 2.3 | 2.5 | | 1.8 | 141.7 | | 0.5 | 440 | EXLOG |
| 4815.0 | | DC | 3.5 | 2.0 | | 1.6 | 124.4 | | 0.6 | 441 | EXLOG |
| 4817.0 | | DC | 3.6 | 4.9 | | 2.5 | 198.4 | | 0.4 | 441 | EXLOG |
| 4820.0 | | DC | 6.5 | 5.8 | | 2.6 | 225.1 | | 0.5 | 438 | EXLOG |
| 4822.0 | | DC | 4.8 | 7.0 | | 3.0 | 234.1 | | 0.4 | 439 | EXLOG |
| 4825.0 | | DC | 1.8 | 1.3 | | 0.9 | 136.6 | | 0.6 | 436 | EXLOG |
| 4827.0 | | DC | 2.3 | 3.0 | | 1.9 | 159.3 | | 0.4 | 441 | EXLOG |
| 4830.0 | | DC | 1.2 | 1.0 | | 0.8 | 127.8 | | 0.5 | 439 | EXLOG |
| 4832.0 | | DC | 2.3 | 3.0 | | 1.6 | 191.8 | | 0.4 | 442 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4835.0 | | DC | 2.8 | 2.0 | | 1.7 | 117.6 | | 0.6 | 439 | EXLOG |
| 4837.0 | | DC | 4.2 | 6.4 | | 3.1 | 206.1 | | 0.4 | 437 | EXLOG |
| 4840.0 | | DC | 3.4 | 3.0 | | 2.1 | 144.2 | | 0.5 | 437 | EXLOG |
| 4842.0 | | DC | 3.6 | 5.4 | | 3.1 | 175.2 | | 0.4 | 438 | EXLOG |
| 4845.0 | | DC | 3.7 | 4.1 | | 2.4 | 169.7 | | 0.5 | 438 | EXLOG |
| 4847.0 | | DC | 3.7 | 6.2 | | 3.1 | 203.3 | | 0.4 | 439 | EXLOG |
| 4850.0 | | DC | 3.8 | 3.5 | | 2.1 | 168.0 | | 0.5 | 439 | EXLOG |
| 4852.0 | | DC | 2.3 | 3.1 | | 1.9 | 165.4 | | 0.4 | 440 | EXLOG |
| 4855.0 | | DC | 3.4 | 2.6 | | 2.6 | 100.8 | | 0.6 | 437 | EXLOG |
| 4857.0 | | DC | 4.1 | 6.4 | | 3.3 | 194.8 | | 0.4 | 439 | EXLOG |
| 4860.0 | | DC | 0.9 | 3.9 | | 2.5 | 154.4 | | 0.2 | 439 | EXLOG |
| 4862.0 | | DC | 4.7 | 7.5 | | 3.4 | 219.2 | | 0.4 | 438 | EXLOG |
| 4865.0 | | DC | 2.6 | 3.0 | | 2.3 | 133.2 | | 0.5 | 440 | EXLOG |
| 4867.0 | | DC | 4.1 | 6.2 | | 3.2 | 194.6 | | 0.4 | 440 | EXLOG |
| 4870.0 | | DC | 3.7 | 3.4 | | 2.3 | 149.1 | | 0.5 | 437 | EXLOG |
| 4872.0 | | DC | 4.0 | 5.7 | | 2.7 | 211.2 | | 0.4 | 440 | EXLOG |
| 4875.0 | | DC | 4.1 | 4.5 | | 2.3 | 196.9 | | 0.5 | 437 | EXLOG |
| 4877.0 | | DC | 3.3 | 4.7 | | 2.3 | 202.1 | | 0.4 | 440 | EXLOG |
| 4880.0 | | DC | 2.7 | 3.0 | | 2.1 | 141.0 | | 0.5 | 437 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4882.0 | | DC | 2.7 | 3.5 | | 2.3 | 151.5 | | 0.4 | 441 | EXLOG |
| 4885.0 | | DC | 3.0 | 2.9 | | 1.7 | 170.8 | | 0.5 | 438 | EXLOG |
| 4887.0 | | DC | 3.5 | 5.7 | | 2.7 | 209.2 | | 0.4 | 441 | EXLOG |
| 4890.0 | | DC | 2.7 | 1.5 | | 1.4 | 114.0 | | 0.6 | 439 | EXLOG |
| 4892.0 | | DC | 2.7 | 3.5 | | 2.3 | 155.7 | | 0.4 | 439 | EXLOG |
| 4895.0 | | DC | 4.4 | 2.8 | | 2.0 | 141.0 | | 0.6 | 439 | EXLOG |
| 4897.0 | | DC | 4.1 | 6.1 | | 2.8 | 214.9 | | 0.4 | 441 | EXLOG |
| 4900.0 | | DC | 4.5 | 3.6 | | 2.0 | 181.9 | | 0.6 | 439 | EXLOG |
| 4902.0 | | DC | 4.2 | 5.3 | | 2.6 | 206.2 | | 0.4 | 440 | EXLOG |
| 4905.0 | | DC | 6.7 | 5.7 | | 2.5 | 226.9 | | 0.5 | 437 | EXLOG |
| 4907.0 | | DC | 6.4 | 12.8 | | 4.5 | 281.5 | | 0.3 | 438 | EXLOG |
| 4910.0 | | DC | 4.5 | 3.7 | | 2.3 | 164.3 | | 0.5 | 438 | EXLOG |
| 4912.0 | | DC | 4.3 | 6.7 | | 3.0 | 224.5 | | 0.4 | 440 | EXLOG |
| 4915.0 | | DC | 2.2 | 0.9 | | 1.1 | 88.8 | | 0.7 | 439 | EXLOG |
| 4917.0 | | DC | 1.5 | 1.4 | | 1.4 | 96.5 | | 0.5 | 441 | EXLOG |
| 4920.0 | | DC | 1.6 | 2.4 | | 1.6 | 148.4 | | 0.4 | 439 | EXLOG |
| 4922.0 | | DC | 3.8 | 5.3 | | 2.6 | 203.4 | | 0.4 | 440 | EXLOG |
| 4925.0 | | DC | 3.4 | 2.2 | | 2.0 | 107.4 | | 0.6 | 440 | EXLOG |
| 4927.0 | | DC | 3.3 | 3.8 | | 2.6 | 147.7 | | 0.5 | 438 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4930.0 | | DC | 2.6 | 2.7 | | 2.0 | 134.5 | | 0.5 | 436 | EXLOG |
| 4932.0 | | DC | 3.5 | 4.9 | | 2.6 | 184.1 | | 0.4 | 439 | EXLOG |
| 4935.0 | | DC | 4.3 | 4.4 | | 2.6 | 171.6 | | 0.5 | 437 | EXLOG |
| 4937.0 | | DC | 3.6 | 5.4 | | 3.4 | 159.9 | | 0.4 | 440 | EXLOG |
| 4940.0 | | DC | 3.0 | 4.2 | | 2.7 | 151.5 | | 0.4 | 439 | EXLOG |
| 4942.0 | | DC | 4.4 | 7.7 | | 4.0 | 192.0 | | 0.4 | 440 | EXLOG |
| 4945.0 | | DC | 4.4 | 3.5 | | 1.9 | 189.7 | | 0.6 | 439 | EXLOG |
| 4947.0 | | DC | 3.3 | 4.3 | | 3.0 | 143.1 | | 0.4 | 440 | EXLOG |
| 4950.0 | | DC | 3.1 | 2.9 | | 3.2 | 92.1 | | 0.5 | 438 | EXLOG |
| 4952.0 | | DC | 4.5 | 7.3 | | 3.3 | 220.2 | | 0.4 | 439 | EXLOG |
| 4955.0 | | DC | 3.1 | 2.1 | | 1.5 | 140.7 | | 0.6 | 441 | EXLOG |
| 4957.0 | | DC | 3.1 | 2.9 | | 2.3 | 128.4 | | 0.5 | 440 | EXLOG |
| 4960.0 | | DC | 3.1 | 2.2 | | 1.7 | 131.0 | | 0.6 | 439 | EXLOG |
| 4962.0 | | DC | 6.6 | 12.6 | | 4.4 | 288.1 | | 0.3 | 438 | EXLOG |
| 4965.0 | | DC | 4.3 | 3.4 | | 1.8 | 186.7 | | 0.6 | 438 | EXLOG |
| 4967.0 | | DC | 3.9 | 5.2 | | 2.7 | 191.9 | | 0.4 | 440 | EXLOG |
| 4970.0 | | DC | 3.6 | 2.8 | | 1.7 | 166.3 | | 0.6 | 438 | EXLOG |
| 4972.0 | | DC | 3.7 | 4.5 | | 2.6 | 172.7 | | 0.5 | 439 | EXLOG |
| 4975.0 | | DC | 4.7 | 3.5 | | 1.9 | 187.2 | | 0.6 | 439 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4977.0 | | DC | 3.7 | 4.5 | | 2.8 | 160.2 | | 0.5 | 440 | EXLOG |
| 4980.0 | | DC | 4.7 | 3.6 | | 1.8 | 196.7 | | 0.6 | 439 | EXLOG |
| 4982.0 | | DC | 2.4 | 2.7 | | 2.1 | 127.3 | | 0.5 | 441 | EXLOG |
| 4985.0 | | DC | 2.6 | 1.7 | | 1.6 | 105.6 | | 0.6 | 440 | EXLOG |
| 4987.0 | | DC | 4.0 | 4.8 | | 2.7 | 177.7 | | 0.5 | 457 | EXLOG |
| 4990.0 | | DC | 5.8 | 4.9 | | 2.2 | 222.9 | | 0.5 | 438 | EXLOG |
| 4992.0 | | DC | 4.1 | 6.0 | | 3.6 | 165.9 | | 0.4 | 440 | EXLOG |
| 4995.0 | | DC | 3.5 | 3.3 | | 3.2 | 104.7 | | 0.5 | 440 | EXLOG |
| 4997.0 | | DC | 3.3 | 5.7 | | 5.4 | 106.1 | | 0.4 | 437 | EXLOG |
| 5000.0 | | DC | 4.6 | 4.7 | | 3.1 | 148.7 | | 0.5 | 437 | EXLOG |
| 5002.0 | | DC | 3.4 | 3.8 | | 3.3 | 115.6 | | 0.5 | 440 | EXLOG |
| 5005.0 | | DC | 3.2 | 1.5 | | 2.3 | 65.9 | | 0.7 | 442 | EXLOG |
| 5007.0 | | DC | 4.2 | 5.8 | | 3.4 | 172.6 | | 0.4 | 442 | EXLOG |
| 5010.0 | | DC | 4.2 | 2.7 | | 2.8 | 93.0 | | 0.6 | 440 | EXLOG |
| 5012.0 | | DC | 6.6 | 11.2 | | 4.4 | 255.7 | | 0.4 | 438 | EXLOG |
| 5015.0 | | DC | 3.4 | 3.0 | | 2.4 | 124.9 | | 0.5 | 439 | EXLOG |
| 5017.0 | | DC | 3.7 | 4.7 | | 3.5 | 132.3 | | 0.4 | 440 | EXLOG |
| 5020.0 | | DC | 7.0 | 6.1 | | 2.8 | 215.8 | | 0.5 | 437 | EXLOG |
| 5022.0 | | DC | 3.8 | 5.4 | | 2.6 | 204.2 | | 0.4 | 439 | EXLOG |

Table 2.1.1. **SOURCE ROCK SCREENING DATA WELL 2/11-7** (cont'd)



| Depth (m) | Lithology | Sample | S1 Kg/t | S2 Kg/t | S3 Kg/t | TOC % | HI KgHC/t | OI KgCO2/t | PI | Tmax Deg.c | Company |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5025.0 | | DC | 4.3 | 2.6 | | 2.3 | 112.0 | | 0.6 | 440 | EXLOG |
| 5027.0 | | DC | 5.8 | 10.5 | | 5.0 | 208.3 | | 0.4 | 439 | EXLOG |
| 5030.0 | | DC | 5.6 | 5.0 | | 3.0 | 168.2 | | 0.5 | 438 | EXLOG |
| 5032.0 | | DC | 2.3 | 2.2 | | 2.5 | 87.7 | | 0.5 | 440 | EXLOG |
| 5035.0 | | DC | 2.2 | 1.0 | | 1.6 | 61.6 | | 0.7 | 441 | EXLOG |
| 5037.0 | | DC | 2.8 | 3.2 | | 2.7 | 117.7 | | 0.5 | 440 | EXLOG |
| 5040.0 | | DC | 7.4 | 8.1 | | 2.8 | 286.9 | | 0.5 | 438 | EXLOG |
| 5042.0 | | DC | 4.3 | 6.5 | | 3.5 | 187.2 | | 0.4 | 438 | EXLOG |

Table 2.2.1. **SOURCE ROCK EXTRACTION DATA I WELL 2/11-7**

Petroleum Geochemistry Group
Research Center Bergen
HYDRO

| Depth(m) | EOM(mg) | EOM(%) | Hydrocarbons SAT(%) | ARO(%) | TOTAL(%) | Non Hydrocarbons NSO(%) | ASPH(%) | TOTAL(%) |
|---|---|---|---|---|---|---|---|---|
| 1690.00 | 2.25 | 0.00 | 38.10 | 8.10 | 46.20 | 16.50 | 37.30 | 53.80 |
| 1790.00 | 3.07 | 0.10 | 28.60 | 5.50 | 34.10 | 16.90 | 48.90 | 65.80 |
| 1880.00 | 3.75 | 0.10 | 34.60 | 6.80 | 41.40 | 18.60 | 40.00 | 58.60 |
| 2000.00 | 4.22 | 0.10 | 30.80 | 6.50 | 37.30 | 23.40 | 39.30 | 62.70 |
| 2220.00 | 4.22 | 0.10 | 30.40 | 4.30 | 34.70 | 15.30 | 50.00 | 65.30 |
| 2560.00 | 21.44 | 0.40 | 36.80 | 10.20 | 47.00 | 34.50 | 18.50 | 53.00 |
| 2920.00 | 5.31 | 0.10 | 37.10 | 6.50 | 43.60 | 19.40 | 36.90 | 56.30 |
| 2970.00 | 3.96 | 0.10 | 35.40 | 6.10 | 41.50 | 14.80 | 43.70 | 58.50 |
| 3540.00 | 76.06 | 0.50 | 62.50 | 11.70 | 74.20 | 20.20 | 5.60 | 25.80 |
| 3600.00 | 64.50 | 1.00 | 61.90 | 10.90 | 72.80 | 18.50 | 8.70 | 27.20 |
| 3670.00 | 26.88 | 0.90 | 65.40 | 8.60 | 74.00 | 13.50 | 12.60 | 26.10 |
| 3774.00 | 166.15 | 1.80 | 49.90 | 12.70 | 62.60 | 26.70 | 10.70 | 37.40 |
| 3778.50 | 200.55 | 3.10 | 41.00 | 17.40 | 58.40 | 27.60 | 14.00 | 41.60 |
| 3792.50 | 194.73 | 2.80 | 60.30 | 14.10 | 74.40 | 18.00 | 7.60 | 25.60 |
| 3800.00 | 15.34 | 0.70 | 50.60 | 8.10 | 58.70 | 16.70 | 24.60 | 41.30 |
| 3814.00 | 191.58 | 2.00 | 63.20 | 12.40 | 75.60 | 18.00 | 6.40 | 24.40 |
| 3820.00 | 58.67 | 1.90 | 60.40 | 11.10 | 71.50 | 15.80 | 12.70 | 28.50 |
| 3830.00 | 135.29 | 1.70 | 63.30 | 10.60 | 73.90 | 17.00 | 9.10 | 26.10 |

Table 2.2.1. **SOURCE ROCK EXTRACTION DATA I WELL 2/11-7** (cont'd)



| Depth(m) | EOM(mg) | EOM(%) | Hydrocarbons | | | Non Hydrocarbons | | |
|---|---|---|---|---|---|---|---|---|
| | | | SAT(%) | ARO(%) | TOTAL(%) | NSO(%) | ASPH(%) | TOTAL(%) |
| 3880.00 | 28.98 | 0.70 | 61.00 | 9.10 | 70.10 | 15.30 | 14.60 | 29.90 |
| 4150.00 | 62.77 | 0.90 | 50.30 | 10.10 | 60.40 | 21.80 | 17.80 | 39.60 |
| 4160.00 | 40.72 | 0.60 | 45.20 | 9.80 | 55.00 | 20.20 | 24.80 | 45.00 |
| 4170.00 | 19.76 | 0.80 | 35.20 | 6.10 | 41.30 | 15.10 | 43.60 | 58.70 |
| 4190.00 | 28.89 | 0.60 | 57.70 | 10.50 | 68.20 | 10.90 | 20.80 | 31.70 |
| 4260.00 | 38.79 | 0.50 | 56.20 | 12.30 | 68.50 | 17.30 | 14.20 | 31.50 |
| 4290.00 | 45.36 | 0.50 | 39.30 | 8.00 | 47.30 | 25.10 | 27.60 | 52.70 |
| 4300.00 | 56.48 | 0.90 | 47.80 | 13.60 | 61.40 | 21.20 | 17.40 | 38.60 |
| 4310.00 | 56.55 | 1.20 | 52.50 | 12.90 | 65.40 | 17.40 | 17.20 | 34.60 |
| 4320.00 | 46.62 | 0.80 | 61.40 | 11.90 | 73.30 | 17.30 | 9.40 | 26.70 |
| 4330.00 | 60.39 | 2.50 | 39.50 | 11.40 | 50.90 | 14.10 | 35.00 | 49.10 |
| 4340.00 | 52.57 | 0.90 | 57.80 | 10.10 | 67.90 | 15.40 | 16.70 | 32.10 |
| 4350.00 | 41.37 | 1.50 | 45.30 | 9.40 | 54.70 | 20.90 | 24.40 | 45.30 |
| 4360.00 | 21.28 | 0.80 | 58.40 | 12.60 | 71.00 | 17.00 | 12.00 | 29.00 |
| 4370.00 | 13.52 | 0.40 | 44.40 | 7.10 | 51.50 | 20.20 | 28.30 | 48.50 |
| 4380.00 | 25.61 | 0.80 | 56.30 | 20.30 | 76.60 | 14.70 | 8.70 | 23.40 |
| 4390.00 | 18.88 | 0.40 | 52.80 | 18.40 | 71.20 | 12.40 | 16.40 | 28.80 |
| 4400.00 | 10.21 | 0.40 | 53.30 | 16.80 | 70.10 | 13.30 | 16.60 | 29.90 |
| 4460.00 | 33.74 | 1.10 | 55.10 | 14.80 | 69.90 | 19.60 | 10.50 | 30.10 |

Table 2.2.1. **SOURCE ROCK EXTRACTION DATA I WELL 2/11-7** (cont'd)



| Depth(m) | EOM(mg) | EOM(%) | Hydrocarbons | | | Non Hydrocarbons | | |
|---|---|---|---|---|---|---|---|---|
| | | | SAT(%) | ARO(%) | TOTAL(%) | NSO(%) | ASPH(%) | TOTAL(%) |
| 4500.00 | 40.75 | 1.40 | 55.30 | 17.90 | 73.20 | 16.50 | 10.30 | 26.80 |
| 4540.00 | 4.16 | 0.20 | 27.90 | 9.10 | 37.00 | 19.00 | 44.00 | 63.00 |
| 4580.00 | 12.26 | 0.40 | 34.60 | 7.60 | 42.20 | 21.00 | 36.80 | 57.80 |
| 4690.00 | 12.20 | 0.50 | 50.90 | 17.00 | 67.90 | 8.30 | 23.80 | 32.10 |
| 4740.00 | 15.79 | 0.40 | 46.00 | 15.60 | 61.60 | 20.30 | 18.00 | 38.30 |
| 4810.00 | 13.34 | 0.50 | 54.90 | 10.90 | 65.80 | 18.00 | 16.20 | 34.20 |
| 4860.00 | 12.52 | 0.30 | 60.70 | 12.40 | 73.10 | 13.80 | 13.10 | 26.90 |
| 4900.00 | 22.37 | 0.60 | 55.80 | 11.80 | 67.60 | 17.50 | 14.80 | 32.30 |
| 4940.00 | 14.10 | 0.40 | 39.60 | 10.10 | 49.70 | 25.70 | 24.60 | 50.30 |
| 4980.00 | 17.67 | 0.50 | 58.60 | 11.30 | 69.90 | 18.40 | 11.70 | 30.10 |
| 5040.00 | 49.42 | 1.10 | 55.20 | 12.70 | 67.90 | 20.10 | 12.00 | 32.10 |

Table 2.2.1. **SOURCE ROCK EXTRACTION DATA I WELL 2/11-7**

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| Depth(m) | EOM(mg) | EOM(%) | Hydrocarbons | | | Non Hydrocarbons | | |
|---|---|---|---|---|---|---|---|---|
| | | | SAT(%) | ARO(%) | TOTAL(%) | NSO(%) | ASPH(%) | TOTAL(%) |
| 1690.00 | 2.25 | 0.00 | 38.10 | 8.10 | 46.20 | 16.50 | 37.30 | 53.80 |
| 1790.00 | 3.07 | 0.10 | 28.60 | 5.50 | 34.10 | 16.90 | 48.90 | 65.80 |
| 1880.00 | 3.75 | 0.10 | 34.60 | 6.80 | 41.40 | 18.60 | 40.00 | 58.60 |
| 2000.00 | 4.22 | 0.10 | 30.80 | 6.50 | 37.30 | 23.40 | 39.30 | 62.70 |
| 2220.00 | 4.22 | 0.10 | 30.40 | 4.30 | 34.70 | 15.30 | 50.00 | 65.30 |
| 2560.00 | 21.44 | 0.40 | 36.80 | 10.20 | 47.00 | 34.50 | 18.50 | 53.00 |
| 2920.00 | 5.31 | 0.10 | 37.10 | 6.50 | 43.60 | 19.40 | 36.90 | 56.30 |
| 2970.00 | 3.96 | 0.10 | 35.40 | 6.10 | 41.50 | 14.80 | 43.70 | 58.50 |
| 3540.00 | 76.06 | 0.50 | 62.50 | 11.70 | 74.20 | 20.20 | 5.60 | 25.80 |
| 3600.00 | 64.50 | 1.00 | 61.90 | 10.90 | 72.80 | 18.50 | 8.70 | 27.20 |
| 3670.00 | 26.88 | 0.90 | 65.40 | 8.60 | 74.00 | 13.50 | 12.60 | 26.10 |
| 3774.00 | 166.15 | 1.80 | 49.90 | 12.70 | 62.60 | 26.70 | 10.70 | 37.40 |
| 3778.50 | 200.55 | 3.10 | 41.00 | 17.40 | 58.40 | 27.60 | 14.00 | 41.60 |
| 3792.50 | 194.73 | 2.80 | 60.30 | 14.10 | 74.40 | 18.00 | 7.60 | 25.60 |
| 3800.00 | 15.34 | 0.70 | 50.60 | 8.10 | 58.70 | 16.70 | 24.60 | 41.30 |
| 3814.00 | 191.58 | 2.00 | 63.20 | 12.40 | 75.60 | 18.00 | 6.40 | 24.40 |
| 3820.00 | 58.67 | 1.90 | 60.40 | 11.10 | 71.50 | 15.80 | 12.70 | 28.50 |
| 3830.00 | 135.29 | 1.70 | 63.30 | 10.60 | 73.90 | 17.00 | 9.10 | 26.10 |

Table 2.2.1. **SOURCE ROCK EXTRACTION DATA I WELL 2/11-7** (cont'd)



| Depth(m) | EOM(mg) | EOM(%) | Hydrocarbons | | | Non Hydrocarbons | | |
|---|---|---|---|---|---|---|---|---|
| | | | SAT(%) | ARO(%) | TOTAL(%) | NSO(%) | ASPH(%) | TOTAL(%) |
| 3880.00 | 28.98 | 0.70 | 61.00 | 9.10 | 70.10 | 15.30 | 14.60 | 29.90 |
| 4150.00 | 62.77 | 0.90 | 50.30 | 10.10 | 60.40 | 21.80 | 17.80 | 39.60 |
| 4160.00 | 40.72 | 0.60 | 45.20 | 9.80 | 55.00 | 20.20 | 24.80 | 45.00 |
| 4170.00 | 19.76 | 0.80 | 35.20 | 6.10 | 41.30 | 15.10 | 43.60 | 58.70 |
| 4190.00 | 28.89 | 0.60 | 57.70 | 10.50 | 68.20 | 10.90 | 20.80 | 31.70 |
| 4260.00 | 38.79 | 0.50 | 56.20 | 12.30 | 68.50 | 17.30 | 14.20 | 31.50 |
| 4290.00 | 45.36 | 0.50 | 39.30 | 8.00 | 47.30 | 25.10 | 27.60 | 52.70 |
| 4300.00 | 56.48 | 0.90 | 47.80 | 13.60 | 61.40 | 21.20 | 17.40 | 38.60 |
| 4310.00 | 56.55 | 1.20 | 52.50 | 12.90 | 65.40 | 17.40 | 17.20 | 34.60 |
| 4320.00 | 46.62 | 0.80 | 61.40 | 11.90 | 73.30 | 17.30 | 9.40 | 26.70 |
| 4330.00 | 60.39 | 2.50 | 39.50 | 11.40 | 50.90 | 14.10 | 35.00 | 49.10 |
| 4340.00 | 52.57 | 0.90 | 57.80 | 10.10 | 67.90 | 15.40 | 16.70 | 32.10 |
| 4350.00 | 41.37 | 1.50 | 45.30 | 9.40 | 54.70 | 20.90 | 24.40 | 45.30 |
| 4360.00 | 21.28 | 0.80 | 58.40 | 12.60 | 71.00 | 17.00 | 12.00 | 29.00 |
| 4370.00 | 13.52 | 0.40 | 44.40 | 7.10 | 51.50 | 20.20 | 28.30 | 48.50 |
| 4380.00 | 25.61 | 0.80 | 56.30 | 20.30 | 76.60 | 14.70 | 8.70 | 23.40 |
| 4390.00 | 18.88 | 0.40 | 52.80 | 18.40 | 71.20 | 12.40 | 16.40 | 28.80 |
| 4400.00 | 10.21 | 0.40 | 53.30 | 16.80 | 70.10 | 13.30 | 16.60 | 29.90 |
| 4460.00 | 33.74 | 1.10 | 55.10 | 14.80 | 69.90 | 19.60 | 10.50 | 30.10 |

Table 2.2.1. **SOURCE ROCK EXTRACTION DATA I WELL 2/11-7** (cont'd)



| Depth(m) | EOM(mg) | EOM(%) | Hydrocarbons | | | Non Hydrocarbons | | |
|---|---|---|---|---|---|---|---|---|
| | | | SAT(%) | ARO(%) | TOTAL(%) | NSO(%) | ASPH(%) | TOTAL(%) |
| 4500.00 | 40.75 | 1.40 | 55.30 | 17.90 | 73.20 | 16.50 | 10.30 | 26.80 |
| 4540.00 | 4.16 | 0.20 | 27.90 | 9.10 | 37.00 | 19.00 | 44.00 | 63.00 |
| 4580.00 | 12.26 | 0.40 | 34.60 | 7.60 | 42.20 | 21.00 | 36.80 | 57.80 |
| 4690.00 | 12.20 | 0.50 | 50.90 | 17.00 | 67.90 | 8.30 | 23.80 | 32.10 |
| 4740.00 | 15.79 | 0.40 | 46.00 | 15.60 | 61.60 | 20.30 | 18.00 | 38.30 |
| 4810.00 | 13.34 | 0.50 | 54.90 | 10.90 | 65.80 | 18.00 | 16.20 | 34.20 |
| 4860.00 | 12.52 | 0.30 | 60.70 | 12.40 | 73.10 | 13.80 | 13.10 | 26.90 |
| 4900.00 | 22.37 | 0.60 | 55.80 | 11.80 | 67.60 | 17.50 | 14.80 | 32.30 |
| 4940.00 | 14.10 | 0.40 | 39.60 | 10.10 | 49.70 | 25.70 | 24.60 | 50.30 |
| 4980.00 | 17.67 | 0.50 | 58.60 | 11.30 | 69.90 | 18.40 | 11.70 | 30.10 |
| 5040.00 | 49.42 | 1.10 | 55.20 | 12.70 | 67.90 | 20.10 | 12.00 | 32.10 |

Table 2.2.2. **SOURCE ROCK EXTRACTION DATA II WELL 2/11-7**

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| Depth(m) | TOC (%) | EOM(%)/TOC(%) | SAT(%)/TOC(%) | SAT(%)/ARO(%) | HC/non HC |
|---|---|---|---|---|---|
| 1690.00 | 1.89 | 0.00 | 20.16 | 4.70 | 0.86 |
| 1790.00 | 3.82 | 0.03 | 7.49 | 5.20 | 0.52 |
| 1880.00 | 2.75 | 0.04 | 12.58 | 5.09 | 0.71 |
| 2000.00 | 2.04 | 0.05 | 15.10 | 4.74 | 0.59 |
| 2220.00 | 1.35 | 0.07 | 22.52 | 7.07 | 0.53 |
| 2560.00 | 1.04 | 0.38 | 35.38 | 3.61 | 0.89 |
| 2920.00 | 1.40 | 0.07 | 26.50 | 5.71 | 0.77 |
| 2970.00 | 1.64 | 0.06 | 21.59 | 5.80 | 0.71 |
| 3540.00 | 0.57 | 0.88 | 109.65 | 5.34 | 2.88 |
| 3600.00 | 0.56 | 1.79 | 110.54 | 5.68 | 2.68 |
| 3670.00 | 1.18 | 0.76 | 55.42 | 7.60 | 2.84 |
| 3774.00 | 8.39 | 0.21 | 5.95 | 3.93 | 1.67 |
| 3778.50 | 8.42 | 0.37 | 4.87 | 2.36 | 1.40 |
| 3792.50 | 6.30 | 0.44 | 9.57 | 4.28 | 2.91 |
| 3800.00 | 2.18 | 0.32 | 23.21 | 6.25 | 1.42 |
| 3814.00 | 6.46 | 0.31 | 9.78 | 5.10 | 3.10 |
| 3820.00 | 4.34 | 0.44 | 13.92 | 5.44 | 2.51 |
| 3830.00 | 5.19 | 0.33 | 12.20 | 5.97 | 2.83 |

Table 2.2.2. **SOURCE ROCK EXTRACTION DATA II WELL 2/11-7** (cont'd)



| Depth(m) | TOC (%) | EOM(%)/TOC(%) | SAT(%)/TOC(%) | SAT(%)/ARO(%) | HC/non HC |
|---|---|---|---|---|---|
| 3880.00 | 2.44 | 0.29 | 25.00 | 6.70 | 2.34 |
| 4150.00 | 4.83 | 0.19 | 10.41 | 4.98 | 1.53 |
| 4160.00 | 3.60 | 0.17 | 12.56 | 4.61 | 1.22 |
| 4170.00 | 6.79 | 0.12 | 5.18 | 5.77 | 0.70 |
| 4190.00 | 2.32 | 0.26 | 24.87 | 5.50 | 2.15 |
| 4260.00 | 2.60 | 0.19 | 21.62 | 4.57 | 2.17 |
| 4290.00 | 4.55 | 0.11 | 8.64 | 4.91 | 0.90 |
| 4300.00 | 5.92 | 0.15 | 8.07 | 3.51 | 1.59 |
| 4310.00 | 5.81 | 0.21 | 9.04 | 4.07 | 1.89 |
| 4320.00 | 10.52 | 0.08 | 5.84 | 5.16 | 2.75 |
| 4330.00 | 9.46 | 0.26 | 4.18 | 3.46 | 1.04 |
| 4340.00 | 6.56 | 0.14 | 8.81 | 5.72 | 2.12 |
| 4350.00 | 15.42 | 0.10 | 2.94 | 4.82 | 1.21 |
| 4360.00 | 7.96 | 0.10 | 7.34 | 4.63 | 2.45 |
| 4370.00 | 8.62 | 0.05 | 5.15 | 6.25 | 1.06 |
| 4380.00 | 5.85 | 0.14 | 9.62 | 2.77 | 3.27 |
| 4390.00 | 6.21 | 0.06 | 8.50 | 2.87 | 2.47 |
| 4400.00 | 5.03 | 0.08 | 10.60 | 3.17 | 2.34 |
| 4460.00 | 13.68 | 0.08 | 4.03 | 3.72 | 2.32 |