



| RFT RESULTS | | | | | WELL: 2/12-1 |
|------------------|-----------------|--------------|-------------|--------------|--------------------------|
| RUN NO. | | | | | |
| Run/ Test no. | Depth (mRKB) | IHP (bar) | FP (bar) | FHP (bar) | Permeability/ Remarks |
| 2A/1 | 4597.00 | 963.59 | -9999.0 | 963.52 | No seal |
| 2 | 4597.00 | 963.59 | -9999.0 | 963.45 | No seal |
| 3 | 4597.50 | 963.11 | -9999.0 | 963.11 | Seal failure |
| 4 | 4597.50 | 963.11 | 946.97 | 962.83 | Fair perm. |
| 5 | 4602.00 | 964.04 | 946.77 | 963.04 | Good perm. |
| 6 | 4607.00 | 964.97 | 947.11 | 964.42 | Good perm. |
| 7 | 4622.00 | 968.28 | 948.15 | 967.59 | Good perm. |
| 8 | 4630.00 | 969.80 | 949.25 | 969.73 | Good/superch. |
| 9 | 4637.00 | 971.11 | 949.18 | 970.69 | OK |
| 3B/1 | 4599.40 | 964.35 | -9999.0 | -9999.0 | No seal |
| 2 | 4599.20 | 963.66 | -9999.0 | -9999.0 | No seal |
| 3 | 4599.00 | 963.18 | -9999.0 | -9999.0 | No seal |
| 4 | 4600.40 | 963.45 | 946.77 | 963.31 | Good |
| 5 | 4607.00 | 964.49 | 947.17 | 964.49 | Very good |
| 6 | 4610.40 | 964.76 | -9999.0 | -9999.0 | No seal |
| 7 | 4609.90 | 964.21 | 947.44 | 964.07 | Very good |
| 8 | 4617.40 | 965.66 | 947.93 | 965.66 | Very good |
| 9 | 4620.70 | 966.14 | 948.16 | 965.59 | Very good |
| 10 | 4625.40 | 966.90 | 948.49 | 966.97 | Very good |
| 11 | 4633.90 | 968.62 | 949.13 | 968.35 | Very good |
| 12 | 4640.90 | 969.93 | 949.63 | 969.24 | Very good |
| 13 | 4640.90 | 969.24 | 949.41 | 969.04 | Very good |
| 14 | 4645.40 | 969.73 | 949.70 | 969.52 | Very good |
| 15 | 4654.40 | 971.73 | 951.80 | 971.17 | Poor (superch.) |
| 16 | 4658.90 | 971.93 | 951.95 | 971.52 | Poor (leaking?) |
| 17 | 4657.00 | 971.11 | 952.40 | 970.42 | Very poor |
| 18 | 4662.90 | 972.00 | 951.39 | 971.66 | Poor |
| 19 | 4666.90 | 972.62 | 951.71 | 972.07 | Good |
| 20 | 4707.40 | 981.93 | 945.71 | 981.03 | Poor |
| 21 | 4645.40 | 966.69 | 949.55 | 966.56 | Very good |
| 3C/1 | 4609.90 | 962.90 | 945.04 | 961.32 | Good seal |
| 2 | 4609.90 | 960.49 | -9999.0 | 960.21 | No seal |
| 3 | 4609.90 | 960.56 | 945.80 | 959.38 | |
| 4 | 4610.10 | 959.87 | 946.97 | 958.49 | Good perm. |

Note: Values of -9999.0 indicate missing data
(tight formation or tool failure)

Analysis of RFT samples from runs 3B, 3CRaw data from wellsiteRUN NO 3B:

| | | | <u>1st chamber:</u> | <u>2nd chamber:</u> |
|----------------------------|------------------|---|---------------------|---------------------|
| depth | m RKB | : | 4645.4 | 4645.4 |
| chamber vol. | gal | : | 2 3/4 | 1 |
| filling time | min | : | 10 | 13 |
| P _{shut in} /Temp | bar/°C | : | - | - |
| P _{opening} /Temp | bar/°C | : | 36.91/- | 9.33-12.78/- |
| Gas volum | Sm ³ | : | 0.0178 | 0.00141 |
| Oil volume | litre | : | 0 | 0 |
| Oil gravity | API/ g/cc: | | - | - |
| Water/filtrate | litre | : | 9.5 | 4.5 |
| Water/filtrate | ppm Cl | : | 17 000 | 22 000 |
| Mud filtrate | ppm Cl | : | 21 000 | 21 000 |
| Gas composition % | C ₁ | : | 7.348 | 1.9448 |
| | C ₂ | : | 1.3400 | 0.5504 |
| | C ₃ | : | 0.9406 | 0.2745 |
| | IC ₄ | : | 0.0288 | 0.0356 |
| | NC ₄ | : | 0.0396 | 0.1127 |
| | H ₂ S | : | 0 | 0 |

Remarks:

RUN NO 3C:

| | | | | |
|----------------------------|------------------|---|------------|------------|
| depth | m RKB | : | 4610.1 | 4610.1 |
| chamber vol. | gal | : | 2 3/4 | 1 |
| filling time | min | : | 63 | 13 |
| P _{shut in} /Temp | bar/°C | : | 945.43/138 | 942.88/142 |
| P _{opening} /Temp | bar/°C | : | 78.28/- | 30.01/- |
| Gas volume | Sm ³ | : | 0.136 | 0.0566 |
| Oil volume | litre | : | - | 0.25 |
| Oil gravity | API/ g/cc: | | - | 38/0.83 |
| Water/filtrate | litre | : | 9.0 | 3.0 |
| Water/filtrate | ppm Cl | : | 24 000 | 21 000 |
| Mud filtrate | ppm Cl | : | 21 000 | 21 000 |
| Gas composition % | C ₁ | : | 11.6365 | 7.5962 |
| | C ₂ | : | 5.6132 | 3.2419 |
| | C ₃ | : | 3.5678 | 1.2105 |
| | IC ₄ | : | 0.5771 | 0.0934 |
| | NC ₄ | : | 1.5790 | 0.1215 |
| | H ₂ S | : | 0 | 0 |

Remarks: 2 3/4 gal chamber first opened at 4609.9 m, then moved to 4610.1 because of plugging and re-opened.


HYDRO

| DST RESULTS | | WELL: 2/12-1 | |
|---|---------------------|---------------------|--|
| DST NO. | 1 | 2 | |
| PERFORATED INTERVAL | 4630 - 4647 mRKB | 4600 - 4612 mRKB | |
| OIL/COND.FLOW RATE (Sm ³ /D) | 1051 | 1629 | |
| GAS FLOW RATE (Sm ³ /D) | 176400 | 213600 | |
| CHOKE SIZE (mm) | 9.535 | 14.29 | |
| GOR (Sm ³ /Sm ³) | 168 | 131 | |
| OIL/COND.GRAVITY (g/cc) | 0.828 | 0.828 | |
| GAS GRAVITY (to air=1) | 0.835 | 0.828 | |
| WHP (bar) | 435.7 | 284.0 | |
| FBHFP (bar) | 850.2 * | 838.1 + | |
| FBHSIP (bar) | 936.17 * | 929.42 + | |
| WHT (°C) | 86.1 | 107.0 | |
| BHT (°C) | 147.5 * | 148.1 + | |
| BS & W (%) | 0 | 0 | |
| CO ₂ (%) | 0.5 | 1.5 | |
| H ₂ S (ppm) | 5 | 0 | |
| K (mD) | ? | 241 | |
| * SDP no. 86557. Sensor point at 4642.3 mRKB. + SDP no. 86540. Sensor point at 4581.92 mRKB. | | | |
| Written: U.Janssen Checked: M.Henderson Date: September 8,1987 | | | |

Table B-5

| Daily mud properties | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------------------|--|--------|--------|-----------|------------|------|--------------|------------|-----------------|---------------------|-----|-----|-------------------|-------|-------|-------|-------------------------|---------|---------|---------|---------|----------|-------|-------------|-------------|
| ((((ooo) | | System : Boredata Sandnes | | | | | | | | | | | | | | | | | | | | | | | | |
| Norsk Hydro | | Well: 2/12-1 Mud Contractor: PROMUD | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | Mud type | | | |
| | | | | | | | | | | | | | | | | | | | 600 rpm | 300 rpm | 200 rpm | 100 rpm | 6 rpm | 3 rpm | | |
| 861012 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | SPUD |
| 861013 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | SPUD |
| 861014 | 178 | 1.25 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | SPUD |
| 861015 | 319 | 1.05 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | SPUD |
| 861016 | 944 | 1.05 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | SPUD |
| 861017 | 1015 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | SPUD |
| 861018 | 1015 | 1.03 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | SPUD |
| 861019 | 1015 | 1.17 | 10 | 6 | 1 | 2 | 9.1 | 23 | | 67000/67000 | 0.1 | 0.2 | 1.1 | 960/960 | | 2 | | | | | | | | | | KCL POLYMER |
| 861020 | 1015 | 1.15 | 6 | 9 | 1 | 2 | 9 | 6.5 | | 66000/66000 | 0.3 | 0.8 | 1 | 360/360 | 0 | 3 | 97 | 42 | 30 | 25 | 16 | 4 | 3 | | KCL POLYMER | |
| 861021 | 1015 | 1.15 | 6 | 9 | 1 | 2 | 9 | 6.5 | | 66000/66000 | 0.3 | 0.8 | 1 | 360/360 | 0 | 3 | 97 | 42 | 30 | 25 | 16 | 4 | 3 | | KCL POLYMER | |
| 861022 | 1348 | 1.21 | 26 | 12 | 2 | 4 | 10 | 8.5 | | 69000/69000 | 0.2 | 0.9 | 0.9 | 580/580 | 0 | 5 | 95 | 76 | 50 | 41 | 30 | 12 | 3 | | KCL POLYMER | |
| 861023 | 1598 | 1.6 | 29 | 17 | 6 | 25 | 9.1 | 12 | | 69000/69000 | 0.1 | 0.1 | 1 | 640/640 | 0 | 19 | 81 | 92 | 63 | 46 | 33 | 18 | 15 | | KCL POLYMER | |
| 861024 | 1905 | 1.6 | 40 | 13 | 4 | 22 | 9.5 | 9 | | /78000 | 0.2 | 0.2 | 0.7 | /600 | 0 | 19 | 81 | 106 | 66 | 51 | 41 | 21 | 19 | | KCL POLYMER | |
| 861025 | 2000 | 1.6 | 49 | 17 | 6 | 25 | 9.2 | 9 | | /69000 | 0.2 | 0.2 | 0.7 | /620 | 0 | 19 | 81 | 115 | 66 | 52 | 39 | 20 | 18 | | KCL POLYMER | |
| 861026 | 2247 | 1.6 | 43 | 17 | 4 | 28 | 9.2 | 9 | | /85000 | 0.2 | 0.2 | 0.7 | /440 | 0 | 19 | 81 | 120 | 77 | 61 | 44 | 23 | 18 | | KCL POLYMER | |
| 861027 | 2257 | 1.6 | 38 | 17 | 3 | 24 | 8.9 | 9 | | /84000 | 0.2 | 0.1 | 0.7 | /400 | 0 | 20 | 80 | 110 | 72 | 60 | 44 | 20 | 17 | | KCL POLYMER | |
| 861028 | 2387 | 1.6 | 40 | 16 | 3 | 23 | 8.9 | 8 | | /82000 | 0.1 | 0.2 | 0.7 | /520 | 0 | 20 | 80 | 118 | 78 | 62 | 45 | 23 | 19 | | KCL POLYMER | |
| 861029 | 2448 | 1.6 | 38 | 16 | 3 | 17 | 9.1 | 8 | | /81000 | 0.2 | 0.2 | 1 | /480 | 4 | 20 | 76 | 108 | 78 | 70 | 58 | 44 | 21 | | KCL POLYMER | |
| 861030 | 2515 | 1.6 | 38 | 16 | 3 | 19 | 9.1 | 8 | | /80000 | 0.2 | 0.2 | 1 | /480 | 4 | 20 | 76 | 108 | 70 | 56 | 43 | 20 | 17 | | KCL POLYMER | |
| 861031 | 2515 | 1.6 | 40 | 13 | 6 | 23 | 8.5 | 8.3 | | /78000 | 0.1 | 0.2 | 0.8 | /440 | 4 | 20 | 76 | 106 | 66 | 49 | 40 | 16 | 12 | | KCL POLYMER | |
| 861101 | 2515 | 1.6 | 37 | 12 | 5 | 22 | 8.6 | 8.5 | | /78000 | 0.1 | 0.1 | 1.5 | /840 | 4 | 20 | 76 | 98 | 61 | 45 | 31 | 15 | 12 | | KCL POLYMER | |
| 861102 | 2650 | 1.6 | 25 | 9 | 5 | 22 | 10.9 | 10.5 | | /84000 | 0.2 | 2.2 | 1.6 | /1040 | 4 | 19 | 77 | | | | | | | | | KCL POLYMER |
| 861103 | 2874 | 1.6 | 34 | 10 | 3 | 17 | 10 | 6.2 | 22 | /81000 | 0.1 | 0.9 | 0.9 | /880 | 3 | 19 | 78 | 88 | 54 | 38 | 23 | 7 | 6 | | KCL POLYMER | |
| 861104 | 2961 | 1.6 | 25 | 10 | 3 | 18 | 9.8 | 7.3 | 26 | /81000 | 0.2 | 0.9 | 0.9 | /1040 | 2 | 19 | 79 | 69 | 44 | 34 | 21 | 7 | 5 | | KCL POLYMER | |
| 861105 | 3059 | 1.6 | 32 | 9 | 4 | 18 | 9.4 | 7.3 | 26 | /81000 | 0.2 | 0.4 | 0.6 | /840 | 2 | 19 | 79 | 82 | 50 | 38 | 24 | 9 | 7 | | KCL POLYMER | |
| 861106 | 3123 | 1.6 | 30 | 10 | 3 | 14 | 9 | 5.3 | 21 | /79000 | 0.1 | 0.4 | 0.6 | /800 | 1 | 19 | 80 | 79 | 49 | 36 | 22 | 6 | 5 | | KCL POLYMER | |
| 861107 | 3210 | 1.6 | 33 | 10 | 3 | 15 | 9.2 | 5 | 18 | /79000 | 0.1 | 0.4 | 0.6 | /820 | 0 | 19 | 81 | 86 | 53 | 40 | 26 | 7 | 5 | | KCL POLYMER | |
| 861108 | 3220 | 1.6 | 32 | 10 | 2 | 10 | 9.6 | 5.1 | 18 | /80000 | 0.1 | 0.4 | 0.6 | /820 | 0 | 19 | 81 | 84 | 52 | 38 | 24 | 6 | 5 | | KCL POLYMER | |
| 861109 | 3233 | 1.6 | 32 | 11 | 2 | 10 | 9.4 | 5 | 18 | /81000 | 0.1 | 0.4 | 0.5 | /780 | 0 | 19 | 81 | 86 | 54 | 39 | 25 | 6 | 5 | | KCL POLYMER | |
| 861110 | 3306 | 1.6 | 33 | 12 | 3 | 11 | 9.6 | 5.1 | 18 | /79000 | 0.1 | 0.5 | 0.7 | /680 | 0 | 19 | 81 | 90 | 57 | 43 | 22 | 7 | 5 | | KCL POLYMER | |
| 861111 | 3323 | 1.6 | 32 | 11 | 2 | 9 | 9.5 | 5 | 17 | /79000 | 0.1 | 0.5 | 0.5 | /520 | 0 | 19 | 81 | 86 | 54 | 41 | 26 | 6 | 4 | | KCL POLYMER | |
| 861112 | 3416 | 1.6 | 32 | 10 | 2 | 8 | 9.5 | 4.8 | 18 | /79000 | 0.1 | 0.7 | 0.6 | /440 | 0 | 19 | 81 | 84 | 54 | 40 | 25 | 6 | 4 | | KCL POLYMER | |
| 861113 | 3535 | 1.6 | 33 | 12 | 2 | 6 | 9.2 | 4.7 | 17 | /79000 | 0.1 | 0.5 | 0.6 | /420 | 0 | 19 | 81 | 90 | 57 | 43 | 27 | 6 | 4 | | KCL POLYMER | |
| 861114 | 3636 | 1.6 | 31 | 11 | | | | | | /81000 | | | | /460 | 0 | 19 | 81 | | | | | | | | | KCL POLYMER |
| 861115 | 3678 | 1.6 | 31 | 11 | 2 | 6 | 9.4 | 4.5 | 17 | /77000 | 0.1 | 0.6 | 0.7 | /360 | 0 | 18 | 82 | 90 | 57 | 41 | 26 | 6 | 5 | | KCL POLYMER | |
| 861116 | 3782 | 1.6 | 32 | 11 | 2 | 6 | 9.5 | 4.8 | 18 | /77000 | 0.1 | 0.8 | 0.8 | /360 | 0 | 19 | 81 | 85 | 53 | 40 | 25 | 6 | 5 | | KCL POLYMER | |
| 861117 | 3851 | 1.6 | 31 | 11 | 2 | 7 | 9.2 | 4.8 | 18 | /74000 | 0.1 | 0.7 | 0.6 | /400 | 0 | 19 | 81 | 84 | 53 | 40 | 26 | 6 | 4 | | KCL POLYMER | |
| 861118 | 3874 | 1.6 | 30 | 10 | 2 | 6 | 9.3 | 4.5 | 17 | /69000 | 0.1 | 0.7 | 0.8 | /400 | 0 | 19 | 81 | 80 | 50 | 38 | 25 | 5 | 4 | | KCL POLYMER | |
| 861119 | 3880 | 1.6 | 30 | 10 | 2 | 7 | 9.6 | 4.2 | 17 | /68000 | 0.1 | 0.8 | 0.8 | /280 | 0 | 19 | 81 | 80 | 50 | 37 | 25 | 6 | 4 | | KCL POLYMER | |
| 861120 | 3900 | 1.6 | 30 | 11 | 2 | 8 | 9.5 | 4.5 | 17 | /67000 | 0.1 | 0.8 | 0.8 | /300 | 0 | 19 | 81 | 82 | 52 | 37 | 26 | 6 | 5 | | KCL POLYMER | |

Daily mud properties

((
(ooo)

System : Boredata Sandnes

Norsk
Hydro

Well: 2/12-1
Mud Contractor: PROMUD

| 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 | | | Ca++ inn/out mg/l | Oil % | Sol % | H2O % | V.G. meter at 115 gr. F | | | | | | Mud type |
|--------|---------------------|-------------------|-----------|-----------|-----------------|------------------|------|--------------------|---------------|------------------------|------------|-----|-----|-------------------------|----------|----------|----------|-------------------------|------------|------------|------------|----------|----------|-------------|
| | | | | | | | | | | | Pf | Pm | Mf | | | | | 600 rpm | 300 rpm | 200 rpm | 100 rpm | 6 rpm | 3 rpm | |
| 861231 | 4714 | 2.14 | 30 | 13 | 3 | 6 | 10.5 | 10.5 | | 3000/3000 | 0.8 | 1.4 | 1.2 | 260/260 | 0 | 37 | 63 | 85 | 55 | 43 | 29 | 75 | 59 | LIGNO |
| 870101 | 4714 | 2.14 | 30 | 12 | 3 | 6 | 10.7 | 10.2 | | 3000/3000 | 0.8 | 1.4 | 1.2 | 260/260 | 0 | 37 | 63 | 83 | 53 | 41 | 27 | 7 | 5 | LIGNO |
| 870102 | 4714 | 2.14 | 43 | 16 | 4 | 10 | 10.9 | 9.2 | | 3000/3000 | 0.7 | 1.5 | 1.3 | 200/200 | 0 | 37 | 63 | 118 | 75 | 60 | 42 | 11 | 7 | LIGNO |
| 870103 | 4714 | 2.14 | 35 | 16 | 4 | 9 | 10.9 | 9 | | 3000/3000 | 0.7 | 1.6 | 1.3 | 180/180 | 0 | 37 | 63 | 101 | 66 | 53 | 37 | 10 | 6 | LIGNO |
| 870104 | 4714 | 2.14 | 34 | 15 | 4 | 9 | 10.9 | 9.2 | | 3000/3000 | 0.7 | 1.6 | 1.3 | 180/180 | 0 | 37 | 63 | 98 | 64 | 52 | 36 | 10 | 6 | LIGNO |
| 870105 | 4714 | 2.14 | 35 | 16 | 4 | 9 | 10.9 | 8.6 | | 3000/3000 | 0.7 | 1.6 | 1.4 | 180/180 | 0 | 37 | 63 | 101 | 66 | 54 | 38 | 11 | 8 | LIGNO |
| 870106 | 4714 | 2.14 | 36 | 17 | 6 | 14 | 10.8 | 9.8 | | 2600/2600 | 0.3 | 1.4 | 0.9 | 100/100 | 0 | 37 | 63 | 105 | 69 | 56 | 40 | 13 | 11 | LIGNO |
| 870107 | 4714 | 2.14 | 33 | 9 | 3 | 10 | 11.2 | 9.8 | | 5000/5000 | | | | 80/80 | 0 | 37 | 63 | | | | | | | LIGNO |
| 870108 | 4714 | 2.14 | 34 | 8 | 3 | 8 | 10.8 | 2.8 | | 6200/6200 | 0.3 | 2.3 | 1.5 | 400/400 | 0 | 38 | 62 | 84 | 50 | 39 | 25 | 5 | 4 | LIGNO |
| 870109 | 4714 | 2.14 | 32 | 7 | 2 | 4 | 11.5 | 3.4 | 18 | /6500 | 0.6 | 3.2 | 2.4 | /320 | 2 | 37 | 61 | 78 | 46 | 37 | 24 | 5 | 4 | LIGNO |
| 870110 | 4714 | 2.14 | 32 | 7 | 2 | 4 | 11.5 | 3.4 | | /6500 | 0.6 | 3.1 | 2.4 | /320 | 2 | 37 | 61 | 78 | 46 | 37 | 24 | 5 | 4 | LIGNO |
| 870111 | 4714 | 2.14 | 32 | 7 | 2 | 4 | 11.3 | 3.4 | | /6500 | 0.6 | 3 | 2.3 | /320 | 2 | 37 | 61 | 78 | 46 | 37 | 24 | 5 | 4 | LIGNO |
| 870112 | 4714 | 2.14 | 29 | 7 | 2 | 5 | 11.5 | 2.8 | 25 | /6500 | 0.5 | 2.8 | 2.3 | /340 | 2 | 37 | 61 | 71 | 42 | 30 | 18 | 6 | 5 | LIGNO |
| 870113 | 4714 | 2.14 | 28 | 7 | 2 | 4 | 11.5 | 3.2 | 26 | /7000 | 0.4 | 2.6 | 1.7 | /440 | 2 | 37 | 61 | 69 | 41 | 28 | 18 | 5 | 4 | LIGNO |
| 870114 | 4714 | 2.14 | 29 | 7 | 2 | 5 | 11.3 | 3.2 | 26 | /7000 | 0.4 | 2.4 | 1.6 | /320 | 2 | 37 | 61 | 71 | 42 | 30 | 19 | 5 | 4 | LIGNO |
| 870115 | 4714 | 2.14 | 30 | 7 | 3 | 6 | 10.8 | 4.2 | 25 | /5500 | 0.3 | 3 | 1.7 | /280 | 2 | 37 | 61 | 74 | 44 | 32 | 21 | 7 | 6 | LIGNO |
| 870116 | 4714 | 2.14 | 30 | 7 | 3 | 6 | 10.8 | 4.2 | 25 | 6000/ | 0.3 | 3 | 1.7 | 280/ | 2 | 37 | 61 | 74 | 44 | 32 | 21 | 7 | 6 | LIGNO |
| 870117 | 4714 | 2.14 | 26 | 6 | 2 | 5 | 11 | 4.3 | 26 | 6000/ | 0.3 | 2.1 | 1.2 | 380/ | 2 | 37 | 61 | 63 | 37 | 24 | 16 | 4 | 3 | LIGNO |
| 870118 | 4714 | 2.14 | 27 | 6 | 2 | 5 | 11 | 4.2 | 26 | 6000/ | 0.3 | 2.1 | 1.2 | 380/ | 2 | 37 | 61 | 66 | 39 | 25 | 17 | 4 | 3 | LIGNO |
| 870119 | 4714 | 2.14 | 29 | 6 | 2 | 5 | 11 | 4.2 | 26 | 6000/ | 0.3 | 2.9 | 1.2 | 400/ | 2 | 37 | 61 | | | | | | | LIGNO |
| 870120 | 4714 | 2.14 | 26 | 6 | 2 | 5 | 10.9 | 4.2 | 26 | 6000/ | 0.3 | 2.9 | 1.1 | 400/ | 2 | 37 | 61 | 64 | 38 | 25 | 18 | 4 | 3 | LIGNO |
| 870121 | 4714 | 2.14 | 28 | 6 | 2 | 5 | 10.8 | 4.4 | 26 | 6500/ | 0.3 | 2.7 | 1.1 | 420/ | 2 | 37 | 61 | 68 | 40 | 27 | 19 | 5 | 3 | LIGNO |
| 870122 | 4714 | 2.14 | 29 | 7 | 2 | 4 | 9.6 | 5.5 | 26 | /7500 | 0.2 | 0.9 | 1 | /400 | 2 | 37 | 61 | | | | | | | LIGNO |
| 870123 | 4714 | 2.14 | 32 | 5 | 2 | 7 | 9.5 | 6.8 | 26 | 7500/7400 | 0.1 | 0.7 | 0.7 | 400/400 | 2 | 37 | 61 | 74 | 42 | 31 | 20 | 6 | 5 | LIGNO |
| 870124 | 4714 | 2.14 | 31 | 5 | 3 | 6 | 10 | 5.3 | 23 | /7400 | 0.2 | 0.8 | 1.3 | /260 | 2 | 37 | 61 | 72 | 41 | 31 | 20 | 7 | 6 | LIGNO |
| 870125 | 4714 | 2.14 | 33 | 6 | 3 | 8 | 10 | 4.5 | 21 | /7500 | 0.3 | 1.1 | 1.6 | /280 | 2 | 37 | 61 | 78 | 45 | 32 | 21 | 6 | 4 | LIGNO |
| 870126 | 4716 | 2.14 | 31 | 5 | 2 | 5 | 10.4 | 3.2 | 18 | /7500 | 0.7 | 1.3 | 2 | /280 | 2 | 37 | 61 | 72 | 41 | 30 | 19 | 6 | 4 | LIGNO |
| 870127 | 4721 | 2.14 | 31 | 5 | 2 | 5 | 10.2 | 2.9 | 16 | /7400 | 0.7 | 1.2 | 2.3 | /260 | 1 | 37 | 62 | 72 | 41 | 29 | 19 | 6 | 4 | LIGNO |
| 870128 | 4747 | 2.14 | 34 | 5 | 2 | | 10.2 | 2.6 | 15 | /7400 | 0.7 | 1.1 | 2.2 | /280 | 1 | 37 | 62 | 78 | 44 | 32 | 20 | 6 | 4 | LIGNO |
| 870129 | 4778 | 2.14 | 33 | 5 | 2 | 5 | 10.1 | 2.3 | 15 | /7600 | 0.8 | 1.2 | 2 | /240 | 1 | 37 | 62 | 75 | 42 | 30 | 19 | 6 | 4 | LIGNO |
| 870130 | 4795 | 2.14 | 34 | 5 | 2 | 5 | 10 | 2.2 | 14 | /7600 | 0.7 | 1 | 2.2 | /240 | 0 | 37 | 63 | 77 | 43 | 31 | 20 | 6 | 4 | LIGNO |
| 870131 | 4795 | 2.14 | 34 | 5 | 3 | 6 | 10 | 2 | 14 | /7300 | 0.9 | 1.3 | 2.6 | /220 | 0 | 37 | 63 | 78 | 44 | 32 | 21 | 6 | 4 | LIGNO |
| 870201 | 4677 | 2.14 | 32 | 5 | 2 | 7 | 11.3 | 2.3 | 16 | /7500 | 1.4 | 2 | 2.9 | /200 | 0 | 37 | 63 | 73 | 41 | 29 | 18 | 6 | 4 | LIGNO |
| 870202 | 4677 | 2.14 | 31 | 5 | 2 | 6 | 10.6 | 2 | 17 | /7400 | 1 | 1.7 | 2.8 | /220 | 0 | 37 | 63 | 71 | 40 | 28 | 17 | 5 | 4 | LIGNO |
| 870203 | 4677 | 2.14 | 30 | 5 | 2 | 6 | 10.5 | 2 | 17 | /7600 | 0.9 | 1.6 | 2.8 | /260 | 0 | 37 | 63 | 69 | 39 | 27 | 17 | 5 | 4 | LIGNO |
| 870204 | 4677 | 2.14 | 29 | 5 | 2 | 5 | 10.4 | 2 | 17 | /7600 | 0.8 | 1.6 | 2.8 | /260 | 0 | 37 | 63 | 67 | 38 | 27 | 16 | 5 | 4 | LIGNO |
| 870205 | 4677 | 2.14 | 28 | 5 | 2 | 5 | 10.3 | 2 | 17 | /7800 | 0.7 | 1.4 | 2.6 | /260 | 0 | 37 | 63 | 65 | 37 | 26 | 16 | 5 | 4 | LIGNO |
| 870206 | 4677 | 2.14 | 27 | 5 | 2 | 5 | 10.3 | 2.1 | 17 | /7900 | 0.7 | 1.4 | 2.6 | /280 | 0 | 37 | 63 | 63 | 36 | 25 | 15 | 5 | 4 | LIGNO |
| 870207 | 4677 | 2.14 | 28 | 5 | 2 | 5 | 10.3 | 2 | 16 | /7800 | 0.7 | 1.4 | 2.6 | /280 | 0 | 37 | 63 | 65 | 37 | 26 | 16 | 5 | 4 | LIGNO |
| 870208 | 4677 | 2.14 | 29 | 5 | 2 | 5 | 10.3 | 2.2 | 16 | /7800 | 0.7 | 1.4 | 2.6 | /280 | 0 | 37 | 63 | 67 | 38 | 26 | 16 | 5 | 4 | LIGNO |

Daily mud properties

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System : Boredata Sandnes

Well: 2/12-1

Mud Contractor: PROMUD

Norsk
Hydro

| 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 | | | Ca++ inn/out mg/l | Oil % | Sol % | H2O % | V.G. meter at 115 gr. F | | | | Mud type | | | |
|--------|---------------------|-------------------|-----------|-----------|-----------------|------------------|------|--------------------|---------------|------------------------|------------|-----|-----|-------------------------|----------|----------|----------|-------------------------|------------|------------|------------|-------------|----------|----------|-------|
| | | | | | | | | | | | Pf | Pm | Mf | | | | | 600 rpm | 300 rpm | 200 rpm | 100 rpm | | 6 rpm | 3 rpm | |
| 870209 | 4677 | 2.14 | 26 | 7 | 2 | 5 | 10.4 | 2 | 16 | 7500/ | 0.6 | 1.2 | 2.5 | 240/ | 0 | 37 | 63 | 65 | 39 | 27 | 16 | 5 | 4 | LIGNO | |
| 870210 | 4625 | 2.14 | 30 | 7 | 2 | 5 | 10.1 | 2.1 | 16 | 7500/ | 0.6 | 1.2 | 2.5 | 240/ | 0 | 37 | 63 | 74 | 44 | 29 | 18 | 5 | 4 | LIGNO | |
| 870211 | 4618 | 2.14 | 29 | 7 | 2 | 5 | 10.7 | 2.2 | 16 | 7500/ | 0.7 | 1.2 | 2.5 | 240/ | 0 | 37 | 63 | 72 | 43 | 29 | 18 | 5 | 4 | LIGNO | |
| 870212 | 4618 | 2.14 | 26 | 5 | 2 | 5 | 10.7 | 1.8 | 16 | 7500/ | 0.5 | 1.3 | 2.3 | 240/ | 0 | 37 | 63 | 62 | 36 | 27 | 16 | 5 | 4 | LIGNO | |
| 870213 | 4618 | 2.14 | 26 | 5 | 2 | 5 | 10.5 | 2 | 16 | 7500/ | 0.5 | 1.3 | 2.3 | 240/ | 0 | 37 | 63 | 62 | 36 | 27 | 16 | 5 | 4 | LIGNO | |
| 870214 | 4618 | 2.14 | 29 | 6 | 2 | 5 | 10.7 | 2 | 16 | 7800/ | 0.6 | 1.5 | 2.4 | 260/ | 0 | 37 | 63 | 69 | 40 | 27 | 17 | 5 | 4 | LIGNO | |
| 870215 | 4618 | 2.14 | 29 | 6 | 2 | 5 | 10.7 | 2.2 | 16 | 8500/ | 0.6 | 1.5 | 2.4 | 260/ | 0 | 37 | 63 | 69 | 40 | 27 | 17 | 5 | 4 | LIGNO | |
| 870216 | 4618 | 2.14 | 28 | 6 | 2 | 5 | 10.7 | 2 | 16 | 8500/ | 0.6 | 1.5 | 2.4 | 240/ | 0 | 37 | 63 | 67 | 39 | 27 | 16 | 5 | 4 | LIGNO | |
| 870217 | 4618 | 2.14 | 28 | 6 | 2 | 5 | 10.5 | 2 | 16 | 8500/ | 0.6 | 1.5 | 2.4 | 240/ | 0 | 37 | 63 | 67 | 39 | 27 | 16 | 5 | 4 | LIGNO | |
| 870218 | 4618 | 2.14 | 32 | 7 | 2 | 5 | 10.5 | 2.1 | 16 | 9000/ | 0.5 | 1.4 | 2.2 | 240/ | 0 | 37 | 63 | 77 | 45 | 30 | 19 | 5 | 4 | LIGNO | |
| 870219 | 4618 | 2.14 | 27 | 5 | 2 | 5 | 10.5 | 1.8 | 16 | 9000/ | 0.5 | 1.4 | 2.2 | 240/ | 0 | 37 | 63 | 64 | 37 | 25 | 16 | 5 | 4 | LIGNO | |
| 870220 | 4618 | 2.14 | 28 | 5 | 2 | 8 | 10.3 | 1.6 | 16 | 9000/ | 0.8 | 1.8 | 2.5 | 240/ | 0 | 37 | 63 | 66 | 38 | 25 | 15 | 4 | 3 | LIGNO | |
| 870221 | 4618 | 2.3 | 55 | 6 | 3 | 8 | 9.3 | 2.1 | 17 | 8000/ | 0.5 | 1.3 | 2.1 | 340/ | 0 | 42 | 58 | 122 | 67 | 48 | 29 | 7 | 4 | LIGNO | |
| 870222 | 4618 | 2.3 | 36 | 5 | 2 | | 9.2 | 2.2 | | 8000/ | 0.5 | 1.3 | 2 | 320/ | 0 | 41 | 59 | 82 | 46 | 32 | 20 | 5 | 4 | LIGNO | |
| 870223 | 4618 | 2.3 | 49 | 5 | 2 | 10 | 10.7 | 2 | | 8000/ | 0.6 | 1.4 | 2.3 | 360/ | 0 | 42 | 58 | 108 | 59 | 41 | 25 | 6 | 4 | LIGNO | |
| 870224 | 4567 | 2.14 | 33 | 5 | 3 | 13 | 11.7 | 3.2 | | 7500/ | 1.7 | 2.8 | 3.8 | 420/ | 0 | 37 | 63 | 76 | 43 | 27 | 16 | 5 | 4 | LIGNO | |
| 870225 | 3780 | 2.14 | 35 | 6 | 3 | 14 | 11.7 | 3.6 | | 7500/ | | | | 420/ | 0 | 37 | 63 | | | | | | | | LIGNO |
| 870226 | 3780 | 2.14 | 0 | 0 | | | | | | | | | | 0 | 37 | 63 | | | | | | | | | LIGNO |
| 870227 | 3780 | 2.14 | 55 | 9 | 5 | 21 | 10.5 | 5.8 | | 3000/ | 0.6 | 1.2 | 2 | 200/ | 0 | 37 | 63 | | | | | | | | LIGNO |
| 870228 | 4567 | 2.14 | 38 | 5 | 2 | 8 | 11.5 | 4.8 | | 5000/ | 1.8 | 2.7 | 3.9 | 320/ | 0 | 37 | 63 | | | | | | | | LIGNO |
| 870301 | 4567 | 2.23 | 46 | 4 | 2 | 8 | 11.2 | 4.4 | | 5000/ | 1.8 | 2.5 | 3.7 | 400/ | 0 | 37 | 63 | | | | | | | | LIGNO |
| 870302 | 4420 | 2.23 | 43 | 6 | 3 | 12 | 10.8 | 6.2 | | 4000/ | 1.7 | 2.3 | 3.7 | 360/ | 0 | 40 | 60 | 98 | 55 | 37 | 23 | 6 | 4 | LIGNO | |
| 870303 | 4420 | 2.23 | 60 | 5 | 3 | 7 | 10 | 4.5 | | 4000/ | | | | 400/ | 0 | 40 | 60 | | | | | | | | LIGNO |
| 870304 | 4305 | 2.23 | 43 | 8 | 5 | 14 | 10.2 | 6.8 | | 5000/ | 0.6 | 1.3 | 1.4 | 360/ | 0 | 40 | 60 | 102 | 59 | 43 | 25 | 94 | 7 | LIGNO | |
| 870305 | 4305 | 2.23 | 50 | 5 | 3 | 12 | 10.8 | 6 | | 5500/ | 0.3 | 0.9 | 1.2 | 400/ | 0 | 40 | 60 | 110 | 60 | 44 | 26 | 6 | 4 | LIGNO | |
| 870306 | 4305 | 2.23 | 46 | 5 | 3 | 10 | 10.7 | 6.2 | | 5500/ | 0.3 | 0.9 | 1.2 | 400/ | 0 | 40 | 60 | 102 | 56 | 42 | 25 | 6 | 4 | LIGNO | |
| 870307 | 4305 | 2.23 | 50 | 6 | 3 | 11 | 10.8 | 6 | | 5500/ | 0.3 | 0.9 | 1.2 | 400/ | 0 | 40 | 60 | 112 | 62 | 45 | 27 | 6 | 4 | LIGNO | |
| 870308 | 3750 | 1.82 | 23 | 6 | 4 | 11 | 11.1 | | | | | | | | | | | 57 | 34 | 27 | 18 | 7 | 4 | LIGNO | |
| 870309 | 895 | 1.82 | 21 | 5 | 2 | 9 | 11 | | | | | | | | | | | 52 | 31 | 25 | 17 | 5 | 3 | LIGNO | |
| 870310 | 895 | 1.82 | 21 | 5 | 2 | 9 | 11 | | | | | | | | | | | 52 | 31 | 25 | 17 | 5 | 3 | LIGNO | |
| 870311 | 123 | 1.03 | 21 | 5 | | | | | | | | | | | | | | | | | | | | | WATER |
| 870312 | 0 | 1.03 | 21 | 5 | | | | | | | | | | | | | | | | | | | | | WATER |
| 870313 | 0 | 1.03 | 21 | 5 | | | | | | | | | | | | | | | | | | | | | WATER |

Daily mud properties

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System : Boredata Sandnes

Norsk
Hydro

Well: 2/12-1
Mud Contractor: PROMUD

| 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 | | | Ca++ inn/out mg/l | Oil % | Sol % | H2O % | V.G. meter at 115 gr. F | | | | | | Mud type |
|--------|---------------------|-------------------|-----------|-----------|-----------------|------------------|------|--------------------|---------------|------------------------|------------|-----|---------|-------------------------|----------|----------|----------|-------------------------|------------|------------|------------|----------|----------|-------------|
| | | | | | | | | | | | Pf | Pm | Mf | | | | | 600 rpm | 300 rpm | 200 rpm | 100 rpm | 6 rpm | 3 rpm | |
| 861121 | 3901 | 1.6 | 30 | 9 | 2 | 6 | 10.2 | 4.2 | 17 | /67000 | 0.1 | 1.1 | 1 | /280 | 0 | 19 | 81 | 75 | 46 | 35 | 22 | 6 | 4 | KCL POLYMER |
| 861122 | 3918 | 1.6 | 28 | 9 | 2 | 8 | 10.2 | 4.2 | 18 | /65000 | 0.1 | 1 | 1 | /220 | 0 | 19 | 81 | 73 | 45 | 30 | 21 | 6 | 5 | KCL POLYMER |
| 861123 | 3954 | 1.6 | 28 | 9 | 2 | 6 | 9.5 | 3.8 | 18 | /60000 | 0.1 | 0.9 | 0.9 | /180 | 0 | 20 | 80 | 75 | 47 | 35 | 22 | 5 | 4 | KCL POLYMER |
| 861124 | 3960 | 1.6 | 28 | 8 | 2 | 6 | 9.5 | 17 | 17 | /59000 | 0.1 | 1.2 | 1 | /220 | 0 | 19 | 81 | 72 | 44 | 32 | 20 | 5 | 4 | KCL POLYMER |
| 861125 | 3986 | 1.66 | 33 | 8 | 2 | 8 | 9.6 | 3.8 | 17 | /58000 | 0.1 | 1.1 | 1.2 | /160 | 0 | 22 | 78 | 81 | 48 | 37 | 23 | 5 | 3 | KCL POLYMER |
| 861126 | 3986 | 1.82 | 38 | 9 | 2 | 8 | 9.6 | 3.5 | 19 | /56000 | 0.1 | 1.1 | 1.1 | /180 | 0 | 27 | 73 | 95 | 57 | 43 | 27 | 6 | 4 | KCL POLYMER |
| 861127 | 3986 | 1.82 | 37 | 9 | 2 | 7 | 10 | 3 | 20 | /56000 | 0.1 | 1.2 | 1.1 | /160 | 1 | 27 | 72 | 91 | 54 | 40 | 24 | 5 | 3 | KCL POLYMER |
| 861128 | 3986 | 1.82 | 37 | 9 | 2 | 8 | 9.9 | 3 | 20 | /55000 | 0.1 | 1.2 | 1.1 | /160 | 1 | 27 | 72 | 92 | 55 | 40 | 25 | 6 | 4 | KCL POLYMER |
| 861129 | 3986 | 1.82 | 37 | 8 | 2 | 9 | 9.7 | 3 | 20 | /55000 | 0.1 | 1.1 | 1 | /180 | 2 | 27 | 71 | 92 | 55 | 41 | 25 | 6 | 4 | KCL POLYMER |
| 861130 | 3986 | 1.82 | 37 | 9 | 2 | 8 | 9.5 | 3 | 20 | /54000 | 0.1 | 1 | 1 | 160/ | 2 | 27 | 71 | 92 | 55 | 41 | 25 | 6 | 3 | KCL POLYMER |
| 861201 | 3986 | 1.98 | 39 | 9 | 2 | 10 | 10.6 | 2.8 | 20 | 52000/ | 0.5 | 2.3 | 2.4 | 160/ | 2 | 31 | 67 | 97 | 58 | 43 | 26 | 5 | 4 | KCL POLYMER |
| 861202 | 4019 | 1.98 | 40 | 8 | 2 | 10 | 10.7 | 2.8 | 18 | 48000/ | 0.8 | 2.4 | 3 | 160/ | 2 | 31 | 67 | 97 | 57 | 42 | 26 | 5 | 4 | KCL POLYMER |
| 861203 | 4025 | 1.98 | 39 | 8 | 2 | 10 | 10.7 | 2.8 | 17 | 45000/ | 0.7 | 2.3 | 3.3 | 180/ | 2 | 31 | 67 | 95 | 56 | 41 | 26 | 5 | 4 | KCL POLYMER |
| 861204 | 4050 | 1.98 | 40 | 10 | 4 | 13 | 10.5 | 2.8 | 15 | 45000/ | 0.7 | 2.2 | 3 | 180/ | 2 | 31 | 67 | 100 | 60 | 45 | 28 | 7 | 5 | KCL POLYMER |
| 861205 | 4065 | 2.02 | 39 | 10 | 3 | 15 | 10.5 | 2.8 | 15 | 45000/ | 0.7 | 2.7 | 3 | 160/ | 2 | 32 | 66 | 98 | 59 | 45 | 27 | 7 | 5 | LIGNO |
| 861206 | 4089 | 2.05 | 39 | 8 | 3 | 16 | 10.1 | 2.6 | 13 | 42000/ | 0.6 | 1.4 | 2.5 | 140/ | 2 | 33 | 65 | 94 | 55 | 44 | 25 | 6 | 4 | LIGNO |
| 861207 | 4155 | 2.05 | 38 | 9 | 5 | 17 | 10.4 | 3.1 | 13 | 40000/ | 0.7 | 1.8 | 2.6 | 120/ | 2 | 34 | 64 | 93 | 55 | 45 | 27 | 7 | 5 | LIGNO |
| 861208 | 4229 | 2.05 | 35 | 8 | 3 | 14 | 10.5 | 2.9 | 13 | 33000/ | 0.8 | 1.9 | 2.7 | 140/ | 2 | 33 | 65 | 86 | 51 | 46 | 22 | 6 | 4 | LIGNO |
| 861209 | 4308 | 2.05 | 36 | 8 | 3 | 13 | 10.2 | 2.6 | 13 | /30000 | 0.8 | 1.7 | 3 | /140 | 2 | 34 | 64 | 87 | 51 | 40 | 23 | 7 | 4 | LIGNO |
| 861210 | 4402 | 2.05 | 34 | 8 | 3 | 14 | 10.2 | 2.5 | 13 | /29000 | 1.3 | 1.8 | 3.3 | /80 | 2 | 34 | 64 | 84 | 50 | 38 | 21 | 7 | 4 | LIGNO |
| 861211 | 4482 | 2.07 | 35 | 8 | 3 | 15 | 10.6 | 2.4 | 12 | /28000 | 1.8 | 2.2 | 3.7 | /80 | 2 | 34 | 64 | 85 | 50 | 38 | 23 | 7 | 3 | LIGNO |
| 861212 | 4557 | 2.07 | 33 | 7 | 3 | 14 | 10.4 | 2.6 | 13 | /27000 | 1.8 | 2 | 3.8 | /80 | 2 | 34 | 64 | 80 | 47 | 36 | 23 | 7 | 4 | LIGNO |
| 861213 | 4609 | 2.12 | 33 | 7 | 3 | 13 | 10.1 | 2.5 | 13 | /24000 | 1.6 | 1.8 | 3.6 | /80 | 2 | 36 | 62 | 80 | 47 | 36 | 23 | 7 | 4 | LIGNO |
| 861214 | 4633 | 2.12 | 27 | 5 | 2 | 10 | 10.3 | 2.4 | 14 | /21000 | 1.9 | 2.1 | 3.9 | /80 | 2 | 36 | 62 | 64 | 37 | 28 | 18 | 5 | 3 | LIGNO |
| 861215 | 4633 | 2.12 | 26 | 5 | 2 | 10 | 10.2 | 2 | 15 | /20000 | 1.8 | 2 | 3.9 | /80 | 2 | 36 | 62 | 62 | 36 | 27 | 17 | 5 | 3 | LIGNO |
| 861216 | 4633 | 2.14 | 27 | 5 | 2 | 9 | 10.5 | 2.4 | 14 | /21000 | 2 | 2.2 | 4 | /80 | 2 | 37 | 61 | 64 | 37 | 28 | 18 | 6 | 4 | LIGNO |
| 861217 | 4651 | 2.14 | 27 | 5 | 2 | 10 | 10.4 | 2.2 | 15 | /21000 | 2 | 2.2 | 3.9 | /80 | 2 | 37 | 61 | 64 | 37 | 27 | 17 | 6 | 4 | LIGNO |
| 861218 | 4661 | 2.14 | 26 | 5 | 2 | 8 | 10.3 | 2.1 | 16 | /21000 | 2 | 2.1 | 4.1 | /80 | 2 | 37 | 61 | 61 | 35 | 26 | 15 | 4 | 2 | LIGNO |
| 861219 | 4668 | 2.14 | 28 | 4 | 2 | 7 | 10 | 2 | 16 | /21000 | 1.3 | 1.9 | 3.4 | /90 | 2 | 37 | 61 | 63 | 35 | 25 | 16 | 4 | 2 | LIGNO |
| 861220 | 4690 | 2.14 | 27 | 4 | 2 | 8 | 10 | 2 | 15 | /21000 | 1.4 | 1.7 | 2.9 | /80 | 2 | 37 | 61 | 62 | 35 | 24 | 17 | 6 | 3 | LIGNO |
| 861221 | 4714 | 2.14 | 28 | 4 | 2 | 8 | 10 | 2 | 15 | /21000 | 1.6 | 1.9 | 3.4 | /80 | 2 | 37 | 61 | 64 | 36 | 25 | 18 | 7 | 3 | LIGNO |
| 861222 | 4714 | 2.14 | 29 | 4 | 3 | 8 | 10.5 | 2 | 15 | /21000 | 1.3 | 1.7 | 3.3 | /80 | 2 | 37 | 61 | 66 | 37 | 26 | 17 | 5 | 3 | LIGNO |
| 861223 | 4714 | 2.14 | 29 | 4 | 3 | 7 | 10 | 2.3 | 15 | 21000/ | 1.2 | 1.4 | 3 | 80/ | 2 | 37 | 61 | 66 | 37 | 25 | 17 | 5 | 3 | LIGNO |
| 861224 | 4714 | 2.14 | 29 | 4 | 3 | 8 | 10 | 2.3 | 15 | 21000/ | 1.2 | 1.4 | 3 | 80/ | 2 | 37 | 61 | 66 | 37 | 24 | 17 | 6 | 3 | LIGNO |
| 861225 | 4714 | 2.14 | 26 | 3 | 2 | 6 | 10 | 1.9 | 15 | /22000 | 1.3 | 1.8 | 3.2 | /80 | 2 | 37 | 61 | 58 | 32 | 20 | 15 | 6 | 3 | LIGNO |
| 861226 | 4714 | 2.14 | 25 | 4 | 2 | 6 | 10 | 2.4 | 17 | 21000/21000 | 1.4 | 1.9 | 3.4 | 80/80 | 2 | 37 | 61 | 58 | 33 | 21 | 15 | 5 | 3 | LIGNO |
| 861227 | 4714 | 2.14 | 25 | 4 | 2 | 6 | 10 | 2.2 | 17 | 21000/21000 | 1.4 | 1.8 | 3.1 | 80/80 | 2 | 37 | 61 | 57 | 32 | 23 | 17 | 5 | 2 | LIGNO |
| 861228 | 4714 | 2.14 | 25 | 4 | 2 | 6 | 11 | 2.4 | 18 | 21000/21000 | 1.4 | 1.8 | 3.6 | 80/80 | 2 | 37 | 61 | 57 | 32 | 23 | 17 | 5 | 2 | LIGNO |
| 861229 | 4714 | 2.14 | 32 | 14 | 7 | 22 | 9 | 4.5 | 16000/16000 | 0.2 | 1.2 | 0.7 | 120/120 | 4 | 60 | 36 | 92 | 60 | 42 | 31 | 21 | 17 | LIGNO | |
| 861230 | 4714 | 2.14 | 30 | 18 | 5 | 16 | 9 | 11.5 | 3000/3000 | 0.1 | 0.7 | 0.3 | 100/100 | 0 | 40 | 60 | 95 | 65 | 52 | 35 | 25 | 19 | LIGNO | |

TABLE B-6 MUD MATERIAL CONSUMPTION

| Product | No. units | Size of unit |
|--------------------|-----------|----------------|
| Barite | 4871 | Mt |
| Bentonite | 145 | Mt |
| Caustic Soda | 3300 | Kg |
| Liquid Caustic | 12.05 | m ³ |
| Lime | 208 | Kg |
| Soda ash | 350 | Kg |
| KCl | 78475 | Kg |
| KCl brine | 948 | m ³ |
| Sodium bicarbonate | 4300 | Kg |
| Miltemp | 16124 | Kg |
| Milpolymer 302 | 9175 | Kg |
| Drispac req | 3064.5 | Kg |
| Drispac superlo | 17093.1 | Kg |
| Permalose | 14000 | Kg |
| Pro-defoamer | 1126 | l |
| Chemtrol X | 14975 | Kg |
| Ligcon | 15260 | Kg |
| Mica C | 175 | Kg |
| Mica F | 400 | Kg |
| Nut plug F | 10700 | Kg |
| Probio | 200 | l |
| Prothin C | 21000 | Kg |
| XCD-polymer | 1325 | Kg |