

Norsk Hydro

CEMENT/ADDITIVE CONSUMPTION, PER JOB ON WELL 30/8-1SR

| Date        | CsgSize | Jobtype          | Cement/<br>Additive | Description                    | Unit | Amount          |                | Difference |           |
|-------------|---------|------------------|---------------------|--------------------------------|------|-----------------|----------------|------------|-----------|
|             |         |                  |                     |                                |      | Planned<br>Used | Actual<br>Used | Amount     | %<br>Cost |
| 19-nov-1995 | 9 5/8"  | PLUG IN CASED HO | API CLASS G         | API CLASS G                    | MT   |                 | 8              |            |           |
|             |         |                  | CFR-3L              | DISPERSANT: CFR-3 LIQUID       | l    |                 | 40             |            |           |
|             |         |                  | NF-3                | NF-3                           | l    |                 | 10             |            |           |
|             |         |                  | SRC-10              | RETARDER. SCR-100L, LIQUID     | l    |                 | 140            |            |           |
| 30-dec-1995 | 5"      | LINER CEMENTING  | CFR-3L              | DISPERSANT: CFR-3 LIQUID       | l    |                 | 80             |            |           |
|             |         |                  | GASCON              | EDP-C469-91                    | l    |                 | 400            |            |           |
|             |         |                  | HAL361              | FLUID LOSS ADDITIVE: HALAD-361 | l    |                 | 640            |            |           |
|             |         |                  | HR-15               | RETARDER: HR-15, HIGH TEMPERAT | kg   |                 | 145            |            |           |
|             |         |                  | SSA-1               | SSA-1, FINE SILICA             | kg   |                 | 9              |            |           |
| 26-feb-1996 | 7"      | PLUG IN CASED HO | CFR-3L              | DISPERSANT: CFR-3 LIQUID       | l    |                 | 40             |            |           |
|             |         |                  | GASCON              | EDP-C469-91                    | l    |                 | 240            |            |           |
|             |         |                  | HA413L              | FLUID LOSS ADDITIVE: HALAD-413 | l    |                 | 300            |            |           |
|             |         |                  | HR-15               | RETARDER: HR-15, HIGH TEMPERAT | kg   |                 | 191            |            |           |

DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS FOR WELL 30/8-1SR

Hole section: WATER BASED SYSTEM

| Date              | Depth |     | Mud Type  | Funnel | Dens | Mudtmp | Fann Readings |     |     |     |    |    | Rheo | PV     | YP     | Gel10 | Gel10 |      |      |
|-------------------|-------|-----|-----------|--------|------|--------|---------------|-----|-----|-----|----|----|------|--------|--------|-------|-------|------|------|
|                   | [m]   |     |           | Visc   |      | Out    | 600           | 300 | 200 | 100 | 60 | 30 | 6    | 3      | Test   |       |       |      |      |
|                   | MD    | TVD |           | [sec]  | [sg] | [DegC] |               |     |     |     |    |    |      | [DegC] | [mPas] | [Pa]  | [Pa]  | [Pa] |      |
| 15-nov-1995 11:00 | 0     | 0   | ANCO 2000 | 59.0   | 1.36 | 0.0    | 76            | 52  | 43  | 31  |    |    | 9    | 6      | 50.0   | 24.0  | 14.0  | 4.0  | 6.0  |
| 17-nov-1995 09:00 | 4688  |     | ANCO 2000 | 51.0   | 2.05 | 0.0    |               |     |     |     |    |    |      |        | 50.0   | 24.0  | 3.5   | 1.5  | 6.0  |
| 18-nov-1995 22:30 | 4688  |     | ANCO 2000 | 54.0   | 2.05 | 0.0    | 103           | 69  | 55  | 38  |    |    | 13   | 10     | 50.0   | 24.0  | 5.5   | 3.0  | 13.0 |
| 19-nov-1995 14:00 | 4688  |     | ANCO 2000 | 63.0   | 2.05 | 0.0    | 77            | 45  | 33  | 19  |    |    | 4    | 3      | 50.0   | 32.0  | 6.5   | 3.0  | 14.0 |
| 20-nov-1995 14:00 | 4688  |     | ANCO 2000 | 75.0   | 2.05 | 0.0    | 75            | 43  | 32  | 20  |    |    | 4    | 3      | 50.0   | 32.0  | 5.5   | 3.0  | 22.0 |
| 21-nov-1995 23:59 | 3000  |     | ANCO 2000 | 68.0   | 1.74 | 0.0    | 80            | 47  | 35  | 24  |    |    | 7    | 5      | 50.0   | 33.0  | 7.0   | 4.0  | 18.0 |
| 22-nov-1995 22:00 | 3000  |     | ANCO 2000 | 62.0   | 1.74 | 0.0    | 62            | 39  | 31  | 22  |    |    | 6    | 5      | 50.0   | 23.0  | 8.0   | 3.0  | 7.5  |
| 23-nov-1995 10:30 | 1495  |     | ANCO 2000 | 68.0   | 1.74 | 0.0    | 74            | 47  | 37  | 25  |    |    | 6    | 4      | 50.0   | 27.0  | 10.0  | 5.0  | 12.0 |
| 24-nov-1995 19:30 | 1495  |     | ANCO 2000 | 57.0   | 1.74 | 0.0    | 64            | 40  | 31  | 22  |    |    | 6    | 4      | 50.0   | 24.0  | 8.0   | 3.0  | 5.5  |
| 25-nov-1995 21:00 | 1498  |     | ANCO 2000 | 57.0   | 1.74 | 0.0    | 63            | 40  | 29  | 20  |    |    | 5    | 4      | 50.0   | 23.0  | 8.5   | 3.5  | 7.0  |
| 26-nov-1995 23:59 | 2866  |     | ANCO 2000 | 57.0   | 2.05 | 0.0    | 59            | 35  | 27  | 17  |    |    | 5    | 4      | 51.0   | 24.0  | 5.5   | 3.0  | 11.0 |
| 27-nov-1995 23:30 | 4177  |     | ANCO 2000 | 45.0   | 2.05 | 0.0    | 58            | 34  | 24  | 15  |    |    | 4    | 3      | 50.0   | 24.0  | 5.0   | 2.5  | 10.0 |

Hole section: 6" WATER BASED SYSTEM

| Date              | Depth |      | Mud Type   | Funnel | Dens | Mudtmp | Fann Readings |     |     |     |    |    | Rheo | PV     | YP     | Gel10 | Gel10 |      |      |
|-------------------|-------|------|------------|--------|------|--------|---------------|-----|-----|-----|----|----|------|--------|--------|-------|-------|------|------|
|                   | [m]   |      |            | Visc   |      | Out    | 600           | 300 | 200 | 100 | 60 | 30 | 6    | 3      | Test   |       |       |      |      |
|                   | MD    | TVD  |            | [sec]  | [sg] | [DegC] |               |     |     |     |    |    |      | [DegC] | [mPas] | [Pa]  | [Pa]  | [Pa] |      |
| 28-nov-1995 22:00 | 4177  |      | ANCO 2000  | 47.0   | 2.05 | 0.0    | 64            | 38  | 25  | 15  |    |    | 4    | 3      | 50.0   | 26.0  | 6.0   | 2.5  | 11.0 |
| 29-nov-1995 23:59 | 4682  | 4343 | ANCO 2000  | 47.0   | 2.05 | 0.0    | 63            | 37  | 25  | 15  |    |    | 4    | 3      | 50.0   | 26.0  | 5.5   | 2.5  | 11.0 |
| 30-nov-1995 23:59 | 4695  | 4354 | ANCO 2000  | 69.0   | 2.05 | 0.0    | 102           | 56  | 40  | 23  |    |    | 3    | 2      | 50.0   | 46.0  | 5.0   | 1.5  | 3.0  |
| 01-dec-1995 23:59 | 4710  | 4367 | ANCO 2000  | 69.0   | 2.05 | 0.0    | 87            | 51  | 35  | 19  |    |    | 4    | 3      | 50.0   | 36.0  | 7.5   | 2.5  | 6.0  |
| 02-dec-1995 23:59 | 4710  | 4367 | ANCO 2000  | 69.0   | 2.05 | 0.0    |               |     |     |     |    |    |      |        | 50.0   | 36.0  | 7.5   | 2.5  | 6.0  |
| 03-dec-1995 23:59 | 4710  | 4367 | ANCO 2000  | 70.0   | 2.05 | 0.0    | 88            | 50  | 35  | 21  |    |    | 3    | 2      | 50.0   | 38.0  | 6.0   | 2.0  | 4.0  |
| 05-dec-1995 20:00 | 4710  | 4367 | ANCO 2000  | 72.0   | 2.02 | 0.0    |               |     |     |     |    |    |      |        | 50.0   | 41.0  | 6.5   | 2.0  | 4.0  |
| 06-dec-1995 23:00 | 4716  | 4372 | HIGH TEMPE | 75.0   | 1.92 | 0.0    |               |     |     |     |    |    |      |        | 50.0   | 56.0  | 7.5   | 2.5  | 5.5  |
| 07-dec-1995 23:30 | 4718  | 4374 | HIGH TEMPE | 80.0   | 1.92 | 0.0    |               |     |     |     |    |    |      |        | 50.0   | 54.0  | 7.5   | 2.5  | 5.0  |
| 08-dec-1995 23:00 | 4725  | 4380 | HIGH TEMPE | 85.0   | 1.92 | 0.0    | 118           | 67  | 48  | 28  |    |    | 4    | 3      | 50.0   | 51.0  | 8.0   | 2.5  | 4.5  |

See also the report 'DAILY MUD PROPERTIES : OTHER PARAMETERS'

Norsk Hydro

DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS FOR WELL 30/8-1SR

| Hole section: 6" |       |          |        | WATER BASED SYSTEM |        |               |     |     |     |    |    |   |    |        |        |      |       |       |     |  |
|------------------|-------|----------|--------|--------------------|--------|---------------|-----|-----|-----|----|----|---|----|--------|--------|------|-------|-------|-----|--|
| Date             | Depth | Mud Type | Funnel | Dens               | Mudtmp | Fann Readings |     |     |     |    |    |   |    | Rheo   | PV     | YP   | Gel10 | Gel10 |     |  |
|                  | [m]   |          | Visc   | Out                |        | 60            | 300 | 200 | 100 | 60 | 30 | 6 | 3  | Test   |        |      |       |       |     |  |
|                  | MD    | TVD      | [sec]  | [sg]               | [DegC] |               |     |     |     |    |    |   |    | [DegC] | [mPas] | [Pa] | [Pa]  | [Pa]  |     |  |
| 09-dec-1995      | 23:00 | 4754     | 4404   | HIGH TEMPE         | 82.0   | 1.92          | 0.0 | 126 | 71  | 51 | 31 |   | 5  | 3      | 50.0   | 55.0 | 8.0   | 2.5   | 5.0 |  |
| 10-dec-1995      | 23:00 | 4804     | 4448   | HIGH TEMPE         | 74.0   | 1.92          | 0.0 | 124 | 70  | 51 | 30 |   | 5  | 3      | 50.0   | 54.0 | 8.0   | 2.5   | 4.5 |  |
| 11-dec-1995      | 23:00 | 4813     | 4456   | HIGH TEMPE         | 72.0   | 1.92          | 0.0 | 120 | 68  | 49 | 30 |   | 5  | 3      | 50.0   | 52.0 | 8.0   | 2.5   | 4.5 |  |
| 12-dec-1995      | 23:00 | 4977     | 4605   | HIGH TEMPE         | 75.0   | 1.92          | 0.0 | 130 | 73  | 52 | 30 |   | 5  | 3      | 50.0   | 57.0 | 8.0   | 2.5   | 5.0 |  |
| 13-dec-1995      | 23:00 | 5073     | 4694   | HIGH TEMPE         | 75.0   | 1.92          | 0.0 | 120 | 68  | 51 | 30 |   | 6  | 3      | 50.0   | 52.0 | 8.0   | 2.5   | 5.0 |  |
| 14-dec-1995      | 23:00 | 5145     | 4763   | HIGH TEMPE         | 66.0   | 1.92          | 0.0 | 116 | 66  | 48 | 29 |   | 5  | 3      | 50.0   | 50.0 | 8.0   | 2.5   | 4.5 |  |
| 15-dec-1995      | 23:00 | 5145     | 4763   | HIGH TEMPE         | 70.0   | 1.92          | 0.0 | 101 | 60  | 46 | 28 |   | 4  | 3      | 50.0   | 41.0 | 9.5   | 2.5   | 4.0 |  |
| 16-dec-1995      | 21:00 | 5149     | 4766   | HIGH TEMPE         | 78.0   | 1.92          | 0.0 |     |     |    |    |   |    |        | 50.0   | 51.0 | 9.0   | 2.5   | 5.0 |  |
| 17-dec-1995      | 22:00 | 5149     | 4766   | HIGH TEMPE         | 71.0   | 1.92          | 0.0 | 118 | 67  | 50 | 31 |   | 5  | 4      | 50.0   | 51.0 | 8.0   | 2.5   | 5.0 |  |
| 18-dec-1995      | 23:30 | 5149     | 4766   | HIGH TEMPE         | 79.0   | 1.92          | 0.0 | 127 | 75  | 55 | 37 |   | 7  | 5      | 50.0   | 52.0 | 11.5  | 2.5   | 6.0 |  |
| 19-dec-1995      | 21:30 | 5149     | 4766   | HIGH TEMPE         | 82.0   | 1.92          | 0.0 | 127 | 73  | 54 | 37 |   | 7  | 5      | 50.0   | 54.0 | 9.5   | 2.5   | 4.5 |  |
| 20-dec-1995      | 21:30 | 5149     | 4766   | HIGH TEMPE         | 75.0   | 1.92          | 0.0 | 121 | 68  | 48 | 31 |   | 5  | 3      | 50.0   | 53.0 | 7.5   | 2.5   | 4.5 |  |
| 21-dec-1995      | 22:30 | 5149     | 4766   | HIGH TEMPE         | 75.0   | 1.92          | 0.0 | 127 | 72  | 51 | 32 |   | 7  | 4      | 50.0   | 55.0 | 8.5   | 2.5   | 4.5 |  |
| 22-dec-1995      | 21:30 | 5149     | 4766   | HIGH TEMPE         | 79.0   | 1.92          | 0.0 | 112 | 64  | 45 | 28 |   | 10 | 4      | 50.0   | 48.0 | 8.0   | 2.5   | 4.0 |  |
| 23-dec-1995      | 23:59 | 5149     | 4766   | HIGH TEMPE         | 90.0   | 1.92          | 0.0 | 145 | 85  | 62 | 38 |   | 11 | 5      | 50.0   | 60.0 | 12.5  | 3.0   | 6.7 |  |
| 24-dec-1995      | 23:59 | 5149     | 4766   | HIGH TEMPE         | 103.0  | 1.92          | 0.0 | 141 | 81  | 59 | 35 |   | 9  | 4      | 50.0   | 60.0 | 10.5  | 3.0   | 6.0 |  |
| 25-dec-1995      | 23:59 | 5149     | 4766   | HIGH TEMPE         | 120.0  | 1.92          | 0.0 | 148 | 87  | 64 | 39 |   | 12 | 5      | 50.0   | 61.0 | 13.0  | 3.0   | 7.0 |  |
| 26-dec-1995      | 21:00 | 4651     |        | HIGH TEMPE         | 88.0   | 1.92          | 0.0 | 147 | 87  | 66 | 38 |   | 8  | 5      | 50.0   | 60.0 | 13.5  | 3.5   | 8.0 |  |
| 27-dec-1995      | 20:00 | 4845     | 4485   | HIGH TEMPE         | 96.0   | 1.92          | 0.0 | 159 | 97  | 72 | 45 |   | 8  | 5      | 50.0   | 62.0 | 17.5  | 4.0   | 8.0 |  |
| 28-dec-1995      | 20:00 | 4845     | 4485   | HIGH TEMPE         | 110.0  | 1.92          | 0.0 | 147 | 87  | 64 | 38 |   | 6  | 4      | 50.0   | 60.0 | 13.5  | 3.5   | 8.0 |  |
| 29-dec-1995      | 20:00 | 4845     | 4485   | HIGH TEMPE         | 106.0  | 1.92          | 0.0 | 139 | 84  | 64 | 37 |   | 7  | 5      | 50.0   | 55.0 | 14.5  | 3.5   | 8.0 |  |
| 01-jan-1996      | 21:00 | 0        |        | HIGH TEMPE         | 90.0   | 1.92          | 0.0 | 132 | 80  | 62 | 34 |   | 7  | 5      | 50.0   | 52.0 | 14.0  | 3.5   | 9.0 |  |
| 02-jan-1996      | 23:00 | 0        |        | HIGH TEMPE         | 90.0   | 1.92          | 0.0 | 134 | 81  | 62 | 34 |   | 7  | 5      | 50.0   | 53.0 | 14.0  | 3.5   | 9.0 |  |
| 03-jan-1996      | 23:00 | 0        |        | HIGH TEMPE         | 89.0   | 1.92          | 0.0 | 135 | 81  | 63 | 35 |   | 7  | 5      | 50.0   | 54.0 | 13.5  | 3.5   | 9.0 |  |
| 04-jan-1996      | 23:00 | 4702     | 4360   | HIGH TEMPE         | 81.0   | 1.92          | 0.0 | 125 | 75  | 56 | 33 |   | 6  | 5      | 50.0   | 50.0 | 12.5  | 2.5   | 8.0 |  |
| 05-jan-1996      | 22:00 | 4787     | 4433   | HIGH TEMPE         | 74.0   | 1.92          | 0.0 | 102 | 60  | 44 | 26 |   | 4  | 3      | 50.0   | 42.0 | 9.0   | 2.5   | 8.5 |  |
| 06-jan-1996      | 22:00 | 4810     | 4453   | HIGH TEMPE         | 80.0   | 1.92          | 0.0 | 94  | 56  | 41 | 24 |   | 4  | 3      | 50.0   | 38.0 | 9.0   | 2.5   | 8.0 |  |
| 07-jan-1996      | 23:00 | 4810     | 4453   | HIGH TEMPE         | 78.0   | 1.92          | 0.0 | 93  | 54  | 40 | 24 |   | 4  | 3      | 50.0   | 39.0 | 7.5   | 2.5   | 9.5 |  |

See also the report 'DAILY MUD PROPERTIES : OTHER PARAMETERS'

Norsk Hydro

DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS FOR WELL 30/8-1SR

Hole section: 6"

WATER BASED SYSTEM

| Date        | Depth |      | Mud Type | Funnel     | Dens  | Mudtmp | Fann Readings |     |     |     |    |    |   | Rheo | PV     | YP     | Gel10 | Gel10 |      |      |
|-------------|-------|------|----------|------------|-------|--------|---------------|-----|-----|-----|----|----|---|------|--------|--------|-------|-------|------|------|
|             | [m]   |      |          | Visc       |       | Out    | 600           | 300 | 200 | 100 | 60 | 30 | 6 | 3    | Test   |        |       |       |      |      |
|             | MD    | TVD  |          | [sec]      | [sg]  | [DegC] |               |     |     |     |    |    |   |      | [DegC] | [mPas] | [Pa]  | [Pa]  | [Pa] |      |
| 08-jan-1996 | 23:00 | 4810 | 4453     | HIGH TEMPE | 82.0  | 1.92   | 0.0           | 100 | 58  | 41  | 24 |    |   | 4    | 3      | 50.0   | 42.0  | 8.0   | 2.5  | 9.5  |
| 09-jan-1996 | 23:00 | 4810 | 4453     | HIGH TEMPE | 87.0  | 1.92   | 0.0           | 102 | 59  | 42  | 24 |    |   | 4    | 3      | 50.0   | 43.0  | 8.0   | 2.5  | 9.5  |
| 10-jan-1996 | 22:30 | 4810 | 4453     | HIGH TEMPE | 85.0  | 1.92   | 0.0           | 145 | 88  | 67  | 43 |    |   | 11   | 9      | 50.0   | 57.0  | 15.5  | 5.0  | 6.0  |
| 11-jan-1996 | 23:00 | 4810 | 4453     | HIGH TEMPE | 96.0  | 1.92   | 0.0           | 146 | 88  | 67  | 43 |    |   | 11   | 9      | 50.0   | 58.0  | 15.0  | 5.0  | 6.0  |
| 12-jan-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 96.0  | 1.92   | 0.0           | 148 | 89  | 67  | 43 |    |   | 11   | 9      | 50.0   | 59.0  | 15.0  | 5.0  | 6.0  |
| 13-jan-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 96.0  | 1.92   | 0.0           | 148 | 89  | 67  | 43 |    |   | 11   | 9      | 50.0   | 59.0  | 15.0  | 5.0  | 6.0  |
| 14-jan-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 96.0  | 1.92   | 0.0           | 144 | 86  | 66  | 41 |    |   | 10   | 8      | 50.0   | 58.0  | 14.0  | 5.0  | 6.0  |
| 15-jan-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 90.0  | 1.92   | 0.0           | 142 | 85  | 64  | 39 |    |   | 10   | 8      | 50.0   | 57.0  | 14.0  | 5.0  | 7.0  |
| 16-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 147 | 89  | 68  | 43 |    |   | 11   | 9      | 50.0   | 58.0  | 15.5  | 5.0  | 7.0  |
| 17-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 147 | 89  | 68  | 43 |    |   | 11   | 9      | 50.0   | 58.0  | 15.5  | 5.0  | 7.0  |
| 18-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 145 | 88  | 67  | 42 |    |   | 10   | 8      | 50.0   | 57.0  | 15.5  | 5.0  | 7.0  |
| 19-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 99.0  | 1.92   | 0.0           | 150 | 89  | 67  | 42 |    |   | 10   | 8      | 50.0   | 61.0  | 14.0  | 5.0  | 7.0  |
| 20-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 150 | 89  | 68  | 43 |    |   | 11   | 9      | 50.0   | 61.0  | 14.0  | 5.0  | 7.0  |
| 21-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 160 | 94  | 70  | 44 |    |   | 11   | 9      | 50.0   | 66.0  | 14.0  | 5.0  | 7.0  |
| 22-jan-1996 | 15:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 156 | 92  | 69  | 44 |    |   | 11   | 9      | 50.0   | 64.0  | 14.0  | 5.0  | 7.0  |
| 23-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 156 | 92  | 69  | 44 |    |   | 11   | 9      | 50.0   | 64.0  | 14.0  | 5.0  | 7.0  |
| 25-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 157 | 95  | 72  | 46 |    |   | 12   | 10     | 50.0   | 62.0  | 16.5  | 5.0  | 7.0  |
| 26-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           |     |     |     |    |    |   |      |        | 50.0   | 62.0  | 16.5  | 5.0  | 7.0  |
| 27-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 159 | 95  | 72  | 46 |    |   | 12   | 10     | 50.0   | 64.0  | 15.5  | 5.0  | 7.0  |
| 28-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 159 | 95  | 72  | 46 |    |   | 12   | 10     | 50.0   | 64.0  | 15.5  | 5.0  | 7.0  |
| 29-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 159 | 95  | 72  | 46 |    |   | 12   | 10     | 50.0   | 64.0  | 15.5  | 5.0  | 7.0  |
| 30-jan-1996 | 21:00 | 4810 | 4453     | HIGH TEMPE | 93.0  | 1.92   | 0.0           | 162 | 97  | 74  | 47 |    |   | 12   | 10     | 50.0   | 65.0  | 16.0  | 5.0  | 8.0  |
| 31-jan-1996 | 22:00 | 4810 | 4453     | HIGH TEMPE | 98.0  | 1.92   | 0.0           | 154 | 93  | 74  | 71 |    |   | 11   | 9      | 50.0   | 61.0  | 16.0  | 4.0  | 7.0  |
| 01-feb-1996 | 22:00 | 4810 | 4453     | HIGH TEMPE | 100.0 | 1.92   | 0.0           | 158 | 95  | 74  | 45 |    |   | 11   | 9      | 50.0   | 63.0  | 16.0  | 4.0  | 7.0  |
| 02-feb-1996 | 21:30 | 4810 | 4453     | HIGH TEMPE | 100.0 | 1.92   | 0.0           | 124 | 78  | 61  | 40 |    |   | 12   | 10     | 50.0   | 46.0  | 16.0  | 5.0  | 10.0 |
| 03-feb-1996 | 23:00 | 4810 | 4453     | HIGH TEMPE | 91.0  | 1.92   | 0.0           | 118 | 73  | 55  | 35 |    |   | 10   | 8      | 50.0   | 45.0  | 14.0  | 4.5  | 11.0 |
| 04-feb-1996 | 23:00 | 4810 | 4453     | HIGH TEMPE | 88.0  | 1.92   | 0.0           | 114 | 71  | 53  | 34 |    |   | 10   | 8      | 50.0   | 43.0  | 14.0  | 5.0  | 11.0 |
| 05-feb-1996 | 23:00 | 4810 | 4453     | HIGH TEMPE | 90.0  | 1.92   | 0.0           | 116 | 72  | 54  | 33 |    |   | 12   | 10     | 50.0   | 44.0  | 14.0  | 4.5  | 11.0 |

See also the report 'DAILY MUD PROPERTIES : OTHER PARAMETERS'

Norsk Hydro

DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS FOR WELL 30/8-1SR

Hole section: 6" WATER BASED SYSTEM

| Date        | Depth |      | Mud Type | Funnel     | Dens | Mudtmp | Fann Readings |     |     |     |    |    |    | Rheo | PV     | YP     | Gel10 | Gel10 |      |
|-------------|-------|------|----------|------------|------|--------|---------------|-----|-----|-----|----|----|----|------|--------|--------|-------|-------|------|
|             | [m]   |      |          | Visc       |      | Out    |               |     |     |     |    |    |    | Test |        |        |       |       |      |
|             | MD    | TVD  |          | [sec]      | [sg] | [DegC] | 600           | 300 | 200 | 100 | 60 | 30 | 6  | 3    | [DegC] | [mPas] | [Pa]  | [Pa]  | [Pa] |
| 06-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 115 | 70  | 52  | 31 |    | 10 | 8    | 50.0   | 45.0   | 12.5  | 4.0   | 11.0 |
| 07-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 109 | 67  | 52  | 34 |    | 10 | 8    | 50.0   | 42.0   | 12.5  | 4.0   | 12.0 |
| 08-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 109 | 67  | 52  | 34 |    | 10 | 8    | 50.0   | 42.0   | 12.5  | 4.0   | 12.0 |
| 09-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 109 | 67  | 52  | 34 |    | 10 | 8    | 50.0   | 42.0   | 12.5  | 4.0   | 12.0 |
| 10-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           |     |     |     |    |    |    |      | 50.0   | 42.0   | 12.5  | 4.0   | 12.0 |
| 11-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 109 | 67  | 52  | 34 |    | 10 | 8    | 50.0   | 42.0   | 12.5  | 4.0   | 12.0 |
| 12-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 109 | 67  | 52  | 34 |    | 10 | 8    | 50.0   | 42.0   | 12.5  | 4.0   | 12.0 |
| 13-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 109 | 67  | 52  | 34 |    | 10 | 8    | 50.0   | 42.0   | 12.5  | 4.0   | 12.0 |
| 14-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 100 | 67  | 52  | 34 |    | 10 | 8    | 50.0   | 42.0   | 12.5  | 4.0   | 12.0 |
| 15-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 109 | 67  | 52  | 34 |    | 10 | 8    | 50.0   | 42.0   | 12.5  | 4.0   | 12.0 |
| 16-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 109 | 67  | 62  | 34 |    | 10 | 8    | 50.0   | 42.0   | 12.5  | 4.0   | 12.0 |
| 17-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           |     |     |     |    |    |    |      | 50.0   | 42.0   | 13.0  | 5.0   | 15.0 |
| 18-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 82.0 | 1.92   | 0.0           | 115 | 74  | 60  | 40 |    | 18 | 16   | 50.0   | 41.0   | 16.5  | 8.0   | 20.0 |
| 19-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 82.0 | 1.92   | 0.0           | 115 | 74  | 60  | 40 |    | 18 | 16   | 50.0   | 41.0   | 16.0  | 8.0   | 20.0 |
| 20-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 82.0 | 1.92   | 0.0           |     |     |     |    |    |    |      | 50.0   | 41.0   | 16.0  | 8.0   | 20.0 |
| 21-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 82.0 | 1.92   | 0.0           | 115 | 74  | 60  | 40 |    | 18 | 16   | 50.0   | 41.0   | 16.5  | 8.0   | 20.0 |
| 22-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 82.0 | 1.92   | 0.0           | 112 | 71  | 57  | 38 |    | 14 | 12   | 50.0   | 41.0   | 15.0  | 7.0   | 19.0 |
| 23-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 82.0 | 1.92   | 0.0           | 112 | 71  | 57  | 38 |    | 14 | 12   | 50.0   | 41.0   | 15.0  | 7.0   | 19.0 |
| 24-feb-1996 | 22:00 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 120 | 75  | 58  | 40 |    | 13 | 9    | 50.0   | 45.0   | 15.0  | 5.0   | 16.0 |
| 25-feb-1996 | 23:59 | 4810 | 4453     | HIGH TEMPE | 80.0 | 1.92   | 0.0           | 120 | 75  | 58  | 40 |    | 13 | 9    | 50.0   | 45.0   | 15.0  | 5.0   | 16.0 |
| 26-feb-1996 | 20:00 | 4810 | 4453     | HIGH TEMPE | 90.0 | 1.92   | 0.0           | 115 | 72  | 58  | 40 |    | 13 | 9    | 50.0   | 43.0   | 14.5  | 5.0   | 16.0 |
| 27-feb-1996 | 20:00 | 2500 |          | HIGH TEMPE | 90.0 | 1.92   | 0.0           | 115 | 72  | 53  | 36 |    | 12 | 8    | 50.0   | 43.0   | 14.5  | 5.0   | 15.0 |

See also the report 'DAILY MUD PROPERTIES : OTHER PARAMETERS'

Norsk Hydro

DAILY MUD PROPERTIES : OTHER PARAMETERS FOR WELL 30/8-1SR

Hole section:

WATER BASED SYSTEM

| Date              | Depth<br>[m] | Mud Type  | Dens<br>[sg] | Filtrate<br>[ml] | Filt.cake<br>[mm] | HPHT<br>[psi/DegC] | pH   | Alcalinity |      |     | Inhib<br>Chem | K+    | CL-   | Ca++ | Mg++ | Tot<br>hard | Percentage |     |     | CEC<br>[Kg/m3] | ASG<br>[sg] | LGS<br>[Kg/m3] |
|-------------------|--------------|-----------|--------------|------------------|-------------------|--------------------|------|------------|------|-----|---------------|-------|-------|------|------|-------------|------------|-----|-----|----------------|-------------|----------------|
|                   |              |           |              |                  |                   |                    |      | API        | HPHT | API |               |       |       |      |      |             | HPHT       | Pm  | Pf  |                |             |                |
| 15-nov-1995 11:00 | 0            | ANCO 2000 | 1.36         | 3.0              | 0.0               | 0                  | 9.1  | 0.0        | 0.2  | 2.6 | 65            | 34000 | 65000 | 680  | 0    | 700         | 14.0       | 0.0 | 0.0 | 65             | 0.0         | 28             |
| 17-nov-1995 09:00 | 4688         | ANCO 2000 | 2.05         | 8.0              | 0.0               | 21                 | 8.6  | 0.0        | 0.0  | 0.8 | 0             | 0     | 5000  | 160  | 0    | 180         | 33.5       | 0.0 | 0.0 | 25             | 0.0         | 19             |
| 18-nov-1995 22:30 | 4688         | ANCO 2000 | 2.05         | 7.5              | 0.0               | 21                 | 9.9  | 0.0        | 0.0  | 0.8 | 0             | 0     | 6000  | 160  | 0    | 180         | 33.5       | 0.0 | 0.0 | 0              | 0.0         | 0              |
| 19-nov-1995 14:00 | 4688         | ANCO 2000 | 2.05         | 9.0              | 0.0               | 21                 | 8.9  | 0.0        | 0.0  | 0.8 | 0             | 0     | 6000  | 160  | 0    | 180         | 33.5       | 0.0 | 0.0 | 0              | 0.0         | 0              |
| 20-nov-1995 14:00 | 4688         | ANCO 2000 | 2.05         | 9.0              | 0.0               | 21                 | 10.8 | 0.0        | 0.5  | 1.4 | 0             | 0     | 6000  | 700  | 0    | 900         | 35.0       | 0.0 | 0.0 | 0              | 0.0         | 0              |
| 21-nov-1995 23:59 | 3000         | ANCO 2000 | 1.74         | 6.0              | 0.0               | 21                 | 9.4  | 0.0        | 0.2  | 1.4 | 0             | 0     | 37000 | 600  | 0    | 760         | 27.0       | 0.0 | 0.1 | 25             | ****        | 124            |
| 22-nov-1995 22:00 | 3000         | ANCO 2000 | 1.74         | 9.0              | 0.0               | 91                 | 8.7  | 0.0        | 0.1  | 1.4 | 0             | 0     | 37000 | 800  | 0    | 1040        | 26.0       | 0.0 | 0.4 | 22             | ****        | 78             |
| 23-nov-1995 10:30 | 1495         | ANCO 2000 | 1.74         | 9.0              | 0.0               | 21                 | 8.4  | 0.0        | 0.1  | 1.4 | 0             | 0     | 35000 | 800  | 0    | 1040        | 26.0       | 0.0 | 0.4 | 22             | ****        | 80             |
| 24-nov-1995 19:30 | 1495         | ANCO 2000 | 1.74         | 9.0              | 0.0               | 21                 | 8.5  | 0.0        | 0.1  | 1.4 | 0             | 0     | 36000 | 800  | 0    | 1040        | 26.0       | 0.0 | 0.6 | 18             | ****        | 79             |
| 25-nov-1995 21:00 | 1498         | ANCO 2000 | 1.74         | 10.0             | 0.0               | 21                 | 8.3  | 0.0        | 0.1  | 1.4 | 0             | 0     | 36000 | 720  | 0    | 950         | 26.0       | 0.0 | 0.7 | 18             | ****        | 79             |
| 26-nov-1995 23:59 | 2866         | ANCO 2000 | 2.05         | 9.0              | 0.0               | 21                 | 8.8  | 0.0        | 0.1  | 1.2 | 0             | 0     | 30000 | 600  | 0    | 720         | 35.0       | 0.0 | 1.1 | 18             | 0.0         | 60             |
| 27-nov-1995 23:30 | 4177         | ANCO 2000 | 2.05         | 4.1              | 0.0               | 21                 | 9.5  | 0.0        | 0.0  | 2.0 | 0             | 0     | 32000 | 840  | 0    | 1000        | 36.0       | 0.0 | 1.5 | 16             | ****        | 104            |

Hole section: 6\*

WATER BASED SYSTEM

| Date              | Depth<br>[m] | Mud Type        | Dens<br>[sg] | Filtrate<br>[ml] | Filt.cake<br>[mm] | HPHT<br>[psi/DegC] | pH  | Alcalinity |      |     | Inhib<br>Chem | K+ | CL-   | Ca++ | Mg++ | Tot<br>hard | Percentage |     |     | CEC<br>[Kg/m3] | ASG<br>[sg] | LGS<br>[Kg/m3] |
|-------------------|--------------|-----------------|--------------|------------------|-------------------|--------------------|-----|------------|------|-----|---------------|----|-------|------|------|-------------|------------|-----|-----|----------------|-------------|----------------|
|                   |              |                 |              |                  |                   |                    |     | API        | HPHT | API |               |    |       |      |      |             | HPHT       | Pm  | Pf  |                |             |                |
| 28-nov-1995 22:00 | 4177         | ANCO 2000       | 2.05         | 3.8              | 0.0               | 21                 | 9.5 | 0.0        | 0.0  | 2.0 | 0             | 0  | 32000 | 800  | 0    | 900         | 36.0       | 0.0 | 1.5 | 16             | 0.0         | 104            |
| 29-nov-1995 23:59 | 4682         | 4343 ANCO 2000  | 2.05         | 4.2              | 24.0              | 21                 | 9.8 | 0.0        | 0.0  | 2.0 | 0             | 0  | 31000 | 900  | 0    | 1050        | 36.0       | 0.0 | 1.5 | 16             | 0.0         | 105            |
| 30-nov-1995 23:59 | 4695         | 4354 ANCO 2000  | 2.05         | 2.0              | 16.0              | 21                 | 9.5 | 0.0        | 0.2  | 1.0 | 0             | 0  | 4000  | 240  | 0    | 280         | 35.0       | 0.0 | 2.3 | 18             | 0.0         | 87             |
| 01-dec-1995 23:59 | 4710         | 4367 ANCO 2000  | 2.05         | 1.9              | 16.0              | 11                 | 9.2 | 0.0        | 0.1  | 1.0 | 0             | 0  | 4000  | 240  | 0    | 280         | 35.0       | 0.0 | 2.3 | 18             | 0.0         | 87             |
| 02-dec-1995 23:59 | 4710         | 4367 ANCO 2000  | 2.05         | 1.8              | 16.0              | 11                 | 9.2 | 0.0        | 0.1  | 1.0 | 0             | 0  | 4000  | 220  | 0    | 300         | 35.0       | 0.0 | 2.2 | 18             | 0.0         | 87             |
| 03-dec-1995 23:59 | 4710         | 4367 ANCO 2000  | 2.05         | 1.8              | 16.0              | 11                 | 9.4 | 0.0        | 0.1  | 1.0 | 0             | 0  | 4000  | 220  | 0    | 300         | 35.0       | 0.0 | 1.6 | 18             | 0.0         | 87             |
| 05-dec-1995 20:00 | 4710         | 4367 ANCO 2000  | 2.02         | 1.6              | 16.0              | 11                 | 9.2 | 0.0        | 0.1  | 0.8 | 0             | 0  | 4200  | 300  | 0    | 400         | 33.3       | 0.0 | 1.6 | 20             | 0.0         | 53             |
| 06-dec-1995 23:00 | 4716         | 4372 HIGH TEMPE | 1.92         | 1.4              | 14.0              | 0                  | 9.3 | 0.0        | 0.1  | 1.3 | 0             | 0  | 3300  | 240  | 0    | 260         | 30.5       | 0.0 | 1.5 | 25             | 0.0         | 68             |
| 07-dec-1995 23:30 | 4718         | 4374 HIGH TEMPE | 1.92         | 1.4              | 14.0              | 0                  | 9.3 | 0.0        | 0.1  | 1.3 | 0             | 0  | 3200  | 240  | 0    | 260         | 30.5       | 0.0 | 1.5 | 25             | 0.0         | 68             |
| 08-dec-1995 23:00 | 4725         | 4380 HIGH TEMPE | 1.92         | 1.2              | 13.0              | 0                  | 9.2 | 0.0        | 0.1  | 1.3 | 0             | 0  | 3000  | 220  | 0    | 240         | 30.6       | 0.0 | 1.5 | 25             | 0.0         | 73             |
| 09-dec-1995 23:00 | 4754         | 4404 HIGH TEMPE | 1.92         | 1.2              | 12.0              | 0                  | 9.2 | 0.0        | 0.1  | 1.3 | 0             | 0  | 3000  | 200  | 0    | 220         | 30.6       | 0.0 | 1.3 | 26             | 0.0         | 72             |
| 10-dec-1995 23:00 | 4804         | 4448 HIGH TEMPE | 1.92         | 1.3              | 13.5              | 0                  | 9.1 | 0.0        | 0.1  | 0.9 | 0             | 0  | 3300  | 200  | 0    | 220         | 30.7       | 0.0 | 0.9 | 26             | 0.0         | 77             |
| 11-dec-1995 23:00 | 4813         | 4456 HIGH TEMPE | 1.92         | 1.3              | 13.5              | 0                  | 9.1 | 0.0        | 0.1  | 0.9 | 0             | 0  | 3500  | 200  | 0    | 220         | 30.9       | 0.0 | 0.7 | 27             | 0.0         | 86             |
| 12-dec-1995 23:00 | 4977         | 4605 HIGH TEMPE | 1.92         | 1.3              | 13.0              | 0                  | 9.0 | 0.0        | 0.0  | 0.7 | 0             | 0  | 3500  | 180  | 0    | 200         | 31.0       | 0.0 | 0.7 | 28             | 0.0         | 86             |
| 13-dec-1995 23:00 | 5073         | 4694 HIGH TEMPE | 1.92         | 1.3              | 13.0              | 0                  | 9.2 | 0.0        | 0.1  | 0.9 | 0             | 0  | 3500  | 180  | 0    | 200         | 31.0       | 0.0 | 0.7 | 28             | 0.0         | 88             |
| 14-dec-1995 23:00 | 5145         | 4763 HIGH TEMPE | 1.92         | 1.3              | 13.0              | 0                  | 9.2 | 0.0        | 0.0  | 0.7 | 0             | 0  | 3500  | 180  | 0    | 200         | 30.9       | 0.0 | 0.5 | 27             | 0.0         | 86             |
| 15-dec-1995 23:00 | 5145         | 4763 HIGH TEMPE | 1.92         | 1.3              | 13.0              | 0                  | 9.4 | 0.0        | 0.1  | 0.8 | 0             | 0  | 3600  | 200  | 0    | 200         | 31.0       | 0.0 | 0.5 | 28             | 0.0         | 90             |
| 16-dec-1995 21:00 | 5149         | 4766 HIGH TEMPE | 1.92         | 1.3              | 13.0              | 0                  | 9.4 | 0.0        | 0.1  | 0.8 | 0             | 0  | 3400  | 140  | 0    | 180         | 31.0       | 0.0 | 0.5 | 28             | 0.0         | 90             |
| 17-dec-1995 22:00 | 5149         | 4766 HIGH TEMPE | 1.92         | 1.3              | 13.0              | 0                  | 9.1 | 0.0        | 0.1  | 0.8 | 0             | 0  | 3400  | 120  | 0    | 140         | 30.7       | 0.0 | 0.5 | 28             | 0.0         | 90             |
| 18-dec-1995 23:30 | 5149         | 4766 HIGH TEMPE | 1.92         | 1.4              | 13.0              | 0                  | 9.1 | 0.0        | 0.1  | 0.8 | 0             | 0  | 3400  | 120  | 0    | 140         | 30.7       | 0.0 | 0.5 | 28             | 0.0         | 90             |
| 19-dec-1995 21:30 | 5149         | 4766 HIGH TEMPE | 1.92         | 1.4              | 13.0              | 0                  | 9.0 | 0.0        | 0.1  | 0.8 | 0             | 0  | 3200  | 160  | 0    | 180         | 31.0       | 0.0 | 0.6 | 28             | 0.0         | 90             |
| 20-dec-1995 21:30 | 5149         | 4766 HIGH TEMPE | 1.92         | 1.4              | 13.0              | 0                  | 9.0 | 0.0        | 0.1  | 0.8 | 0             | 0  | 3200  | 160  | 0    | 180         | 31.0       | 0.0 | 0.6 | 26             | 0.0         | 90             |
| 21-dec-1995 22:30 | 5149         | 4766 HIGH TEMPE | 1.92         | 1.3              | 13.5              | 0                  | 9.1 | 0.0        | 0.1  | 0.8 | 0             | 0  | 3300  | 140  | 0    | 160         | 31.0       | 0.0 | 0.6 | 26             | 0.0         | 90             |
| 22-dec-1995 21:30 | 5149         | 4766 HIGH TEMPE | 1.92         | 1.1              | 12.5              | 0                  | 9.1 | 0.0        | 0.1  | 0.8 | 0             | 0  | 3300  | 140  | 0    | 180         | 31.2       | 0.0 | 0.7 | 26             | 0.0         | 99             |
| 23-dec-1995 23:59 | 5149         | 4766 HIGH TEMPE | 1.92         | 1.1              | 12.0              | 0                  | 9.2 | 0.0        | 0.1  | 0.8 | 0             | 0  | 3300  | 140  | 0    | 160         | 31.3       | 0.0 | 0.7 | 26             | 0.0         | 104            |

DAILY MUD PROPERTIES : OTHER PARAMETERS FOR WELL 30/8-1SR

Hole section: 6"

WATER BASED SYSTEM

| Date        | Depth<br>[m]    | Mud Type   | Dens<br>[sg] | Filtrate<br>[ml] | Filt.cake<br>[mm] | HPHT<br>Press/Temp<br>[psi/DegC] | pH  | Alcalinity |     |     | Inhib<br>Chem | K+ | CL-  | Ca++ | Mg++ | Tot<br>[mg] | Percentage |       |     |      | CEC<br>[Kg/m3] | ASG<br>[sg] | LGS<br>[Kg.m3] |
|-------------|-----------------|------------|--------------|------------------|-------------------|----------------------------------|-----|------------|-----|-----|---------------|----|------|------|------|-------------|------------|-------|-----|------|----------------|-------------|----------------|
|             |                 |            |              |                  |                   |                                  |     | Pm         | Pf  | Mf  |               |    |      |      |      |             | hard       | Solid | Oil | Sand |                |             |                |
| 24-dec-1995 | 23:59 5149 4766 | HIGH TEMPE | 1.21         | 13.5             | 0                 | 14/150                           | 9.1 | 0.0        | 0.1 | 0.8 | 0             | 0  | 3100 | 160  | 0    | 180         | 31.5       | 0.0   | 0.9 | 26   | 0.0            | 113         |                |
| 25-dec-1995 | 23:59 5149 4766 | HIGH TEMPE | 1.21         | 13.0             | 0                 | 14/150                           | 9.3 | 0.0        | 0.0 | 0.9 | 0             | 0  | 3000 | 160  | 0    | 180         | 30.9       | 0.0   | 1.0 | 26   | 0.0            | 100         |                |
| 26-dec-1995 | 21:00 4651      | HIGH TEMPE | 1.21         | 13.0             | 0                 | 13/150                           | 9.2 | 0.0        | 0.1 | 0.9 | 0             | 0  | 3000 | 160  | 0    | 180         | 30.9       | 0.0   | 1.0 | 35   | 0.0            | 100         |                |
| 27-dec-1995 | 20:00 4845 4485 | HIGH TEMPE | 1.21         | 13.5             | 0                 | 14/150                           | 9.2 | 0.0        | 0.1 | 0.9 | 0             | 0  | 3000 | 160  | 0    | 180         | 30.9       | 0.0   | 1.0 | 35   | 0.0            | 100         |                |
| 28-dec-1995 | 20:00 4845 4485 | HIGH TEMPE | 1.21         | 13.0             | 0                 | 13/150                           | 9.3 | 0.0        | 0.1 | 0.9 | 0             | 0  | 3000 | 160  | 0    | 180         | 31.0       | 0.0   | 1.0 | 37   | 0.0            | 91          |                |
| 29-dec-1995 | 20:00 4845 4485 | HIGH TEMPE | 1.21         | 13.0             | 0                 | 13/150                           | 9.3 | 0.0        | 0.1 | 0.9 | 0             | 0  | 3000 | 160  | 0    | 180         | 31.0       | 0.0   | 1.0 | 37   | 0.0            | 91          |                |
| 01-jan-1996 | 21:00 0         | HIGH TEMPE | 1.21         | 13.0             | 0                 | 13/150                           | 9.3 | 0.0        | 0.1 | 0.9 | 0             | 0  | 3000 | 360  | 0    | 440         | 31.0       | 0.0   | 1.0 | 0    | 0.0            | 91          |                |
| 02-jan-1996 | 23:00 0         | HIGH TEMPE | 1.21         | 13.0             | 0                 | 0/150                            | 9.3 | 0.0        | 0.1 | 0.9 | 0             | 0  | 3100 | 380  | 0    | 440         | 31.0       | 0.0   | 0.8 | 37   | 0.0            | 91          |                |
| 03-jan-1996 | 23:00 0         | HIGH TEMPE | 1.21         | 13.0             | 0                 | 0/150                            | 9.2 | 0.0        | 0.1 | 0.9 | 0             | 0  | 3100 | 380  | 0    | 440         | 31.0       | 0.0   | 0.8 | 37   | 0.0            | 91          |                |
| 04-jan-1996 | 23:00 4702 4360 | HIGH TEMPE | 1.21         | 16.0             | 1                 | 0/150                            | 9.2 | 0.0        | 0.1 | 1.4 | 0             | 0  | 2800 | 380  | 0    | 400         | 31.0       | 0.0   | 0.7 | 33   | 0.0            | 91          |                |
| 05-jan-1996 | 22:00 4787 4433 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 0/150                            | 9.0 | 0.0        | 0.1 | 1.6 | 0             | 0  | 2800 | 540  | 0    | 560         | 31.0       | 0.0   | 0.7 | 32   | 0.0            | 91          |                |
| 06-jan-1996 | 22:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 0/150                            | 9.0 | 0.0        | 0.2 | 1.6 | 0             | 0  | 2800 | 540  | 0    | 560         | 31.0       | 0.0   | 0.7 | 32   | 0.0            | 91          |                |
| 07-jan-1996 | 23:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 0/150                            | 9.1 | 0.0        | 0.2 | 1.6 | 0             | 0  | 2800 | 360  | 0    | 560         | 31.0       | 0.0   | 0.7 | 30   | 0.0            | 91          |                |
| 08-jan-1996 | 23:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 0/150                            | 9.1 | 0.0        | 0.2 | 1.6 | 0             | 0  | 2800 | 320  | 0    | 340         | 31.0       | 0.0   | 0.7 | 31   | 0.0            | 91          |                |
| 09-jan-1996 | 23:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 35/150                           | 9.1 | 0.0        | 0.1 | 1.4 | 0             | 0  | 2800 | 300  | 0    | 320         | 31.0       | 0.0   | 0.7 | 32   | 0.0            | 91          |                |
| 10-jan-1996 | 22:30 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 21 35/150                        | 9.0 | 0.0        | 0.0 | 1.3 | 0             | 0  | 1200 | 320  | 0    | 340         | 30.3       | 0.0   | 2.7 | 32   | 0.0            | 61          |                |
| 11-jan-1996 | 23:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.0 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 300  | 0    | 320         | 30.2       | 0.0   | 0.5 | 32   | 0.0            | 57          |                |
| 12-jan-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.0 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 280  | 0    | 300         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 13-jan-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.0 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 280  | 0    | 300         | 30.8       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 14-jan-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.0 | 0.0        | 0.2 | 1.0 | 0             | 0  | 1200 | 280  | 0    | 300         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 15-jan-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.0 | 0.0        | 0.2 | 1.0 | 0             | 0  | 1200 | 280  | 0    | 300         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 16-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.7 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 17-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.7 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 18-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.6 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 19-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 20-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 29.8       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 21-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 22-jan-1996 | 15:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 35/150                        | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 23-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 31 19/150                        | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 25-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 19/150                           | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 26-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 19/150                           | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 27-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 19/150                           | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 28-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 19/150                           | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 48          |                |
| 29-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 21 19/150                        | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 64          |                |
| 30-jan-1996 | 21:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 21 19/150                        | 9.2 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1200 | 240  | 0    | 280         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 64          |                |
| 31-jan-1996 | 22:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 21 19/150                        | 9.3 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1300 | 240  | 0    | 280         | 29.8       | 0.0   | 0.5 | 32   | 0.0            | 53          |                |
| 01-feb-1996 | 22:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 21 19/150                        | 9.5 | 0.0        | 0.2 | 1.2 | 0             | 0  | 1300 | 240  | 0    | 280         | 29.8       | 0.0   | 0.5 | 32   | 0.0            | 53          |                |
| 02-feb-1996 | 21:30 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 21 19/150                        | 9.5 | 0.0        | 0.2 | 1.0 | 0             | 0  | 1800 | 320  | 0    | 340         | 29.7       | 0.0   | 0.5 | 0    | 0.0            | 53          |                |
| 03-feb-1996 | 23:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 21 19/150                        | 9.7 | 0.0        | 0.2 | 1.0 | 0             | 0  | 2000 | 300  | 0    | 320         | 29.8       | 0.0   | 0.4 | 0    | 0.0            | 53          |                |
| 04-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 21 19/150                        | 9.7 | 0.0        | 0.2 | 1.0 | 0             | 0  | 2100 | 300  | 0    | 320         | 29.8       | 0.0   | 0.4 | 0    | 0.0            | 53          |                |
| 05-feb-1996 | 23:00 4810 4453 | HIGH TEMPE | 1.21         | 19.0             | 1                 | 21 19/150                        | 9.6 | 0.0        | 1.0 | 1.0 | 0             | 0  | 2100 | 300  | 0    | 320         | 29.7       | 0.0   | 0.4 | 0    | 0.0            | 53          |                |
| 06-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.21         | 20.0             | 1                 | 31 35/150                        | 9.7 | 0.0        | 0.1 | 1.0 | 0             | 0  | 2300 | 300  | 0    | 320         | 29.9       | 0.0   | 2.3 | 32   | 0.0            | 63          |                |
| 07-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.21         | 20.0             | 1                 | 31 500/150                       | 9.5 | 0.0        | 0.1 | 1.0 | 0             | 0  | 2100 | 300  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 63          |                |
| 08-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.21         | 20.0             | 1                 | 31 500/150                       | 9.5 | 0.0        | 0.1 | 1.0 | 0             | 0  | 2100 | 300  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32   | 0.0            | 63          |                |

DAILY MUD PROPERTIES : OTHER PARAMETERS FOR WELL 30/8-1SR

Hole section: 6"

WATER BASED SYSTEM

| Date        | Depth<br>[m]    | Mud Type   | Dens<br>[sg] | Filtrate<br>[ml] | Filt.cake<br>[mm] | HPHT<br>[psi/DegC] | pH  | Alcalinity |     |     | Inhib<br>[Kg/m3] | K+ | CL-  | Ca++ | Mg++ | Tot<br>[mg] | Percentage |       |     | CEC<br>[Kg/m3] | ASG<br>[sg] | LGS<br>[Kg/m3] |
|-------------|-----------------|------------|--------------|------------------|-------------------|--------------------|-----|------------|-----|-----|------------------|----|------|------|------|-------------|------------|-------|-----|----------------|-------------|----------------|
|             |                 |            |              |                  |                   |                    |     | Pm         | Pf  | Mf  |                  |    |      |      |      |             | hard       | Solid | Oil |                |             |                |
| 09-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 2.3 20.0         | 1  3              | 500/150            | 9.5 | 0.0        | 0.1 | 1.0 | 0                | 0  | 2100 | 300  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 10-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 2.3 20.0         | 1  3              | 500/150            | 9.5 | 0.0        | 0.1 | 1.0 | 0                | 0  | 2100 | 300  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 11-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 2.3 20.0         | 1  3              | 500/150            | 9.5 | 0.0        | 0.1 | 1.0 | 0                | 0  | 2100 | 300  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 12-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 2.3 20.0         | 1  3              | 500/150            | 9.5 | 0.0        | 0.1 | 1.0 | 0                | 0  | 2100 | 300  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 13-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 2.3 20.0         | 1  3              | 500/150            | 9.5 | 0.0        | 0.1 | 1.0 | 0                | 0  | 2100 | 300  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 14-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 2.3 20.0         | 1  3              | 500/150            | 9.5 | 0.0        | 0.1 | 1.0 | 0                | 0  | 2100 | 300  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 15-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 2.3 20.0         | 1  3              | 500/150            | 9.5 | 0.0        | 0.1 | 1.0 | 0                | 0  | 2100 | 300  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 16-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 2.3 20.0         | 1  3              | 500/150            | 9.5 | 0.0        | 0.1 | 1.0 | 0                | 0  | 2100 | 300  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 17-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 2.6 20.0         | 1  3              | 500/150            | 9.0 | 0.0        | 0.8 | 1.0 | 0                | 0  | 2100 | 300  | 0    | 340         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 18-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 3.0 22.0         | 1  3              | 500/150            | 8.3 | 0.0        | 0.1 | 0.8 | 0                | 0  | 2100 | 280  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 19-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 3.0 22.0         | 1  3              | 500/150            | 8.3 | 0.0        | 0.1 | 0.8 | 0                | 0  | 2100 | 280  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 20-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 3.0 22.0         | 1  3              | 500/150            | 8.3 | 0.0        | 0.1 | 0.8 | 0                | 0  | 2100 | 280  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 21-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 3.0 22.0         | 1  3              | 500/150            | 8.3 | 0.0        | 0.1 | 0.8 | 0                | 0  | 2100 | 280  | 0    | 320         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 22-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 3.0 22.0         | 1  3              | 500/150            | 8.2 | 0.0        | 0.0 | 0.7 | 0                | 0  | 2000 | 260  | 0    | 300         | 29.9       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 23-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 3.0 22.0         | 1  3              | 500/150            | 8.2 | 0.0        | 0.0 | 0.7 | 0                | 0  | 2000 | 260  | 0    | 300         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 24-feb-1996 | 22:00 4810 4453 | HIGH TEMPE | 1.92         | 3.0 22.0         | 1  3              | 500/150            | 8.2 | 0.0        | 0.0 | 0.7 | 0                | 0  | 2000 | 260  | 0    | 300         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 47             |
| 25-feb-1996 | 23:59 4810 4453 | HIGH TEMPE | 1.92         | 3.0 22.0         | 1  3              | 500/150            | 8.2 | 0.0        | 0.0 | 0.7 | 0                | 0  | 2000 | 260  | 0    | 300         | 29.9       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 26-feb-1996 | 20:00 4810 4453 | HIGH TEMPE | 1.92         | 3.0 22.0         | 1  3              | 500/150            | 8.2 | 0.0        | 0.0 | 0.7 | 0                | 0  | 2000 | 260  | 0    | 300         | 30.0       | 0.0   | 0.5 | 32             | 0.0         | 63             |
| 27-feb-1996 | 20:00 2500      | HIGH TEMPE | 1.92         | 3.0 22.0         | 1  3              | 500/150            | 8.4 | 0.0        | 0.1 | 0.7 | 0                | 0  | 2000 | 260  | 0    | 300         | 29.9       | 0.0   | 0.5 | 0              | 0.0         | 63             |



TOTAL CONSUMPTION OF MUD ADDITIVES ON WELL 30/8-1SR

| Section<br>Size    | Product/Additive   | Total<br>Amount<br>Planned | Total<br>Amount<br>Used | Unit | Difference |   | Difference in cost |        |
|--------------------|--------------------|----------------------------|-------------------------|------|------------|---|--------------------|--------|
|                    |                    |                            |                         |      | Amount     | % | %                  | [kNOK] |
| 6"                 | ANCO DEFOAMER      |                            | 200.0                   | l    |            |   |                    |        |
|                    | ANCO RESIN         |                            | 10525.0                 | kg   |            |   |                    |        |
|                    | ANCO ZAN           |                            | 875.0                   | kg   |            |   |                    |        |
|                    | ANCOBAR            |                            | 1849000.0               | kg   |            |   |                    |        |
|                    | BENTONITE          |                            | 33000.0                 | kg   |            |   |                    |        |
|                    | CITRIC ACID        |                            | 1825.0                  | kg   |            |   |                    |        |
|                    | HOSTADRILL         |                            | 6725.0                  | kg   |            |   |                    |        |
|                    | LIGHTIN            |                            | 750.0                   | kg   |            |   |                    |        |
|                    | LIME               |                            | 480.0                   | kg   |            |   |                    |        |
|                    | SODA ASH           |                            | 575.0                   | kg   |            |   |                    |        |
|                    | SODIUM BICARBONATE |                            | 2000.0                  | kg   |            |   |                    |        |
| 10.0               | ANCO DEFOAMER      |                            | 125.0                   | l    |            |   |                    |        |
|                    | ANCO RESIN         |                            | 725.0                   | kg   |            |   |                    |        |
|                    | ANCOBAR            |                            | 1142000.0               | kg   |            |   |                    |        |
|                    | ANCOTEMP           |                            | 5126.0                  | kg   |            |   |                    |        |
|                    | BENTONITE          |                            | 23000.0                 | kg   |            |   |                    |        |
|                    | CITRIC ACID        |                            | 1525.0                  | kg   |            |   |                    |        |
|                    | HOSTADRILL         |                            | 75.0                    | kg   |            |   |                    |        |
|                    | KD-40              |                            | 600.0                   | l    |            |   |                    |        |
|                    | KEMSEAL            |                            | 2551.0                  | kg   |            |   |                    |        |
|                    | LIME               |                            | 420.0                   | kg   |            |   |                    |        |
|                    | NUTPLUG C          |                            | 125.0                   | kg   |            |   |                    |        |
| SODA ASH           |                    | 625.0                      | kg                      |      |            |   |                    |        |
| SODIUM BICARBONATE |                    | 1500.0                     | kg                      |      |            |   |                    |        |