

5. FLUID PROPERTIES SUMMARY

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Depth Vs Mud Weight
Vs Yield Point
Vs Plastic Viscosity
Vs Fluid Loss
Vs Potassium Content
Vs MBC
Vs Chloride Content

5.1 Table of Properties

DRILLING FLUID PROPERTIES SUMMARY - 5.1

| DATE | DEPTH HOLE (m) (in) | M.W. (s.g.) | VIS (sec/qrt) | PV (cps) | YP (lbs/100 sq.ft) | GELS | | | WL (ml) | pH | PI | MI | Cl- (mg/l) x 1000 | Ca/Mg (mg/l) | SAND (%) | SOL (%) | WATER (%) | OIL (%) | MBC (lb/bbl) | KCL (%) | K+ (mg/l) x 1000 | S rpm | HPHT @ |
|--------|---------------------------|----------------|------------------|-------------|-----------------------|--------|--------|---------|------------|------|------|------|-------------------------|-----------------|-------------|------------|--------------|------------|-----------------|------------|------------------------|-------|-----------|
| | | | | | | 10 sec | 10 min | 30 mins | | | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | | | | | | | | | | | |
| 24-May | 339 | 17.50 | 1.040 | 65 | 11 | 33 | 5 | 21 | 9.0 | 9.0 | 0.10 | 0.45 | 11.0 | 480 | | 2.5 | 97.5 | | 15.0 | | | | 10 |
| 25-May | 421 | | 1.060 | 73 | 14 | 24 | 9 | 25 | 9.0 | 9.0 | 0.12 | 0.35 | 11.0 | 440 | | 3.5 | 96.5 | | 16.0 | | | | 12 |
| 26-May | 580 | | 1.080 | 60 | 14 | 23 | 12 | 34 | 8.5 | 9.0 | 0.14 | 0.40 | 11.0 | 420 | 0.50 | 5.0 | 95.0 | | 17.5 | | | | 13 |
| | 715 | | 1.080 | 57 | 13 | 24 | 13 | 34 | 8.8 | 9.0 | 0.10 | 0.45 | 10.5 | 400 | 0.25 | 5.0 | 95.0 | | 17.0 | | | | 14 |
| 27-May | 753 | | 1.080 | 51 | 12 | 22 | 13 | 33 | 9.8 | 9.0 | 0.10 | 0.50 | 13.0 | 520 | TR | 5.0 | 95.0 | | 18.0 | | | | 15 |
| | 864 | | 1.080 | 52 | 13 | 27 | 14 | 35 | 9.5 | 9.0 | 0.10 | 0.45 | 13.5 | 500 | TR | 5.0 | 95.0 | | 18.0 | | | | 15 |
| 28-May | 869 | | 1.090 | 51 | 13 | 25 | 13 | 31 | 9.6 | 9.0 | 0.10 | 0.60 | 14.0 | 600 | TR | 5.5 | 94.5 | | 18.0 | | | | 15 |
| | 1030 | | 1.100 | 55 | 14 | 28 | 16 | 35 | 10.0 | 9.0 | 0.10 | 0.55 | 12.5 | 400 | 0.50 | 6.0 | 94.0 | | 20.0 | | | | 18 |
| 29-May | 1081 | | 1.090 | 57 | 13 | 27 | 15 | 32 | 9.5 | 9.0 | 0.18 | 0.80 | 12.0 | 280 | 0.25 | 5.5 | 94.5 | | 18.0 | | | | 17 |
| | 1090 | | 1.100 | 56 | 15 | 26 | 16 | 33 | 9.4 | 9.0 | 0.14 | 0.70 | 12.5 | 320 | 0.50 | 6.0 | 94.0 | | 18.0 | | | | 18 |
| 30-May | 1090 | | 1.100 | 60 | 16 | 26 | 16 | 34 | 9.4 | 9.0 | 0.12 | 0.75 | 12.5 | 340 | 0.25 | 6.0 | 94.0 | | 18.0 | | | | 18 |
| 1-Jun | 1090 | 12.25 | 1.060 | 53 | 15 | 26 | 7 | 9 | 8.0 | 9.5 | 0.22 | 1.45 | 27.5 | 240 | 0.30 | 3.7 | 96.3 | | 4.0 | 5.0 | 26.2 | | 17 |
| 2-Jun | 1127 | | 1.060 | 50 | 16 | 22 | 6 | 8 | 6.4 | 9.5 | 0.18 | 0.65 | 28.0 | 180 | 0.50 | 3.7 | 96.3 | | 4.0 | 4.9 | 25.7 | | 9 |
| 3-Jun | 1127 | | 1.060 | 51 | 15 | 23 | 6 | 8 | 6.4 | 9.0 | 0.10 | 0.45 | 28.0 | 200 | 0.25 | 3.7 | 96.3 | | 4.0 | 5.0 | 26.2 | | 8 |
| 4-Jun | 1154 | | 1.080 | 41 | 8 | 18 | 3 | 8 | 6.4 | 11.6 | 1.00 | 2.40 | 35.0 | 600 | 0.15 | 5.0 | 95.0 | | 7.5 | 5.4 | 28.0 | | 8 |
| 5-Jun | 1212 | | 1.100 | 41 | 15 | 18 | 3 | 5 | 6.4 | 11.0 | 0.90 | 2.10 | 39.0 | 880 | 0.60 | 6.5 | 93.5 | | 9.0 | 4.9 | 25.5 | | 3 |
| | 1265 | | 1.100 | 42 | 14 | 20 | 3 | 5 | 7.4 | 10.7 | 0.60 | 1.60 | 32.5 | 680 | 0.60 | 6.5 | 93.5 | | 8.5 | 4.5 | 23.4 | | 4 |
| | 1300 | | 1.100 | 48 | 10 | 28 | 5 | 7 | 5.4 | 10.5 | 0.50 | 1.60 | 32.0 | 640 | 0.50 | 6.5 | 93.5 | | 8.5 | 4.4 | 23.0 | | 5 |
| | 1352 | | 1.090 | 48 | 18 | 29 | 5 | 7 | 6.0 | 10.2 | 0.50 | 1.40 | 32.0 | 480 | 0.25 | 5.5 | 94.5 | | 8.5 | 4.4 | 23.0 | | 7 |
| 6-Jun | 1403 | | 1.100 | 44 | 16 | 21 | 3 | 5 | 6.0 | 9.6 | 0.15 | 1.40 | 33.0 | 320 | 0.15 | 5.9 | 94.1 | | 8.5 | 4.7 | 24.2 | | 6 |
| | 1458 | | 1.100 | 42 | 15 | 16 | 3 | 4 | 6.0 | 9.6 | 0.15 | 1.10 | 31.0 | 300 | 0.35 | 6.0 | 94.0 | | 7.5 | 4.7 | 24.2 | | 4 |
| | 1474 | | 1.100 | 42 | 20 | 27 | 4 | 5 | 5.0 | 9.5 | 0.15 | 1.00 | 32.5 | 260 | 0.10 | 6.5 | 93.5 | | 7.5 | 4.5 | 23.4 | | 4 |
| 7-Jun | 1505 | | 1.090 | 48 | 9 | 21 | 3 | 5 | 5.0 | 9.0 | 0.15 | 0.90 | 35.0 | 300 | 0.25 | 5.4 | 94.6 | | 6.5 | 5.1 | 26.5 | | 5 |
| | 1574 | | 1.100 | 42 | 14 | 20 | 3 | 5 | 5.6 | 9.3 | 0.10 | 0.90 | 33.5 | 320 | 0.40 | 6.5 | 93.5 | | 8.0 | 4.6 | 24.0 | | 4 |
| 8-Jun | 1580 | | 1.080 | 45 | 14 | 20 | 3 | 5 | 6.0 | 8.2 | 0.10 | 1.60 | 35.0 | 300 | TR | 5.0 | 95.0 | | 6.5 | 5.1 | 26.5 | | 5 |
| 9-Jun | 1580 | | 1.070 | 42 | 11 | 15 | 3 | 4 | 6.0 | 9.4 | 0.90 | 2.90 | 39.0 | 480 | 0.40 | 4.3 | 95.7 | | 5.0 | 4.8 | 39.0 | | 4 |
| 10-Jun | 1631 | | 1.070 | 42 | 11 | 15 | 3 | 4 | 6.0 | 9.4 | 0.90 | 2.90 | 39.0 | 480 | 0.40 | 4.3 | 95.7 | | 5.0 | 4.8 | 39.0 | | 4 |
| 11-Jun | 1633 | | 1.070 | 42 | 11 | 15 | 3 | 4 | 6.0 | 9.4 | 0.90 | 2.90 | 39.0 | 480 | 0.40 | 4.3 | 95.7 | | 5.0 | 4.8 | 39.0 | | 4 |
| 12-Jun | 1633 | | 1.070 | 42 | 11 | 15 | 3 | 4 | 6.0 | 9.4 | 0.90 | 2.90 | 39.0 | 480 | 0.40 | 4.3 | 95.7 | | 5.0 | 4.8 | 39.0 | | 4 |
| 13-Jun | 1663 | | 1.070 | 50 | 14 | 17 | 3 | 4 | 8.0 | 8.5 | tr | 2.00 | 50.0 | 400 | TR | 4.0 | 96.0 | | 4.0 | 5.5 | 28.6 | | 4 |
| 14-Jun | 1707 | | 1.070 | 50 | 14 | 17 | 3 | 4 | 8.0 | 8.5 | tr | 2.00 | 50.0 | 480 | TR | 4.0 | 96.0 | | 4.0 | 5.5 | 28.6 | | 4 |
| 15-Jun | 1817 | | 1.070 | 50 | 14 | 17 | 3 | 4 | 8.0 | 8.5 | tr | 2.00 | 50.0 | 481 | TR | 5.0 | 95.0 | | 4.0 | 5.5 | 28.6 | | 4 |
| 16-Jun | 1817 | | 1.070 | 50 | 14 | 17 | 3 | 4 | 8.0 | 8.5 | tr | 2.00 | 50.0 | 481 | TR | 5.0 | 95.0 | | 4.0 | 5.5 | 28.6 | | 4 |
| 17-Jun | 1817 | | 1.070 | 50 | 14 | 17 | 3 | 4 | 8.0 | 8.8 | tr | 2.00 | 50.0 | 481 | TR | 5.0 | 95.0 | | 4.0 | 5.5 | 28.6 | | 4 |
| 18-Jun | 1817 | | 1.070 | 50 | 14 | 17 | 3 | 4 | 8.0 | 9.0 | tr | 2.00 | 50.0 | 481 | TR | 5.0 | 95.0 | | 4.0 | 5.5 | 28.6 | | 4 |
| 19-Jun | 1817 | | 1.070 | 50 | 14 | 17 | 3 | 4 | 8.0 | 9.0 | tr | 2.00 | 46.0 | 481 | TR | 5.0 | 95.0 | | 4.0 | 5.5 | 28.6 | | 4 |
| 20-Jun | 1817 | | 1.065 | 70 | 17 | 30 | 4 | 12 | 6.4 | 9.2 | 0.20 | 2.00 | 42.0 | 440 | TR | 4.0 | 96.0 | | 4.0 | 5.5 | 28.6 | | 4 |
| 21-Jun | 1819 | 8.50 | 1.065 | 52 | 18 | 26 | 4 | 5 | 6.4 | 9.3 | 0.40 | 2.40 | 41.0 | 480 | 0.20 | 4.0 | 96.0 | | 6.5 | 4.6 | 24.0 | | 7 |
| | 1829 | | 1.060 | 50 | 16 | 22 | 3 | 5 | 6.4 | 9.4 | 0.20 | 2.00 | 40.0 | 360 | 0.30 | 4.0 | 96.0 | | 7.0 | 4.6 | 24.0 | | 5 |
| | 1869 | | 1.070 | 47 | 14 | 20 | 3 | 7 | 6.2 | 10.1 | 0.20 | 1.00 | 40.5 | 250 | 0.65 | 4.4 | 95.6 | | 8.0 | 4.0 | 20.8 | | 4 |
| | 1890 | | 1.085 | 42 | 14 | 16 | 3 | 4 | 6.0 | 9.4 | 0.10 | 1.00 | 56.0 | 240 | 0.15 | 5.3 | 94.7 | | 8.0 | 7.2 | 37.4 | | 4 |
| 22-Jun | 1917 | | 1.085 | 52 | 16 | 20 | 3 | 4 | 5.2 | 9.8 | 0.15 | 0.90 | 55.0 | 320 | 0.10 | 5.3 | 94.7 | | 8.0 | 7.0 | 36.4 | | 4 |
| 23-Jun | 1941 | | 1.085 | 50 | 19 | 26 | 4 | 5 | 4.8 | 9.2 | 0.10 | 1.00 | 52.0 | 320 | 0.10 | 5.3 | 94.7 | | 8.0 | 8.8 | 45.5 | | 5 |
| | 1950 | | 1.120 | 53 | 21 | 24 | 4 | 5 | 5.0 | 10.2 | 0.20 | 1.50 | 50.5 | 320 | 0.10 | 7.0 | 93.0 | | 7.5 | 8.8 | 45.5 | | 5 |

DRILLING FLUID PROPERTIES SUMMARY - 5.1

| DATE | DEPTH HOLE (m) (in) | M.W. (s.g.) | VIS (sec/qrt) | PV (cps) | YP | GELS (lbs/100 sq.ft) | | | WL (ml/) | pH | Pf | Mf | Cl- (mg/l) x 1000 | Ca/Mg (mg/l) | SAND (%) | SOL (%) | WATER (%) | OIL (%) | MBC (lb/bbl) | KCL (%) | K+ (mg/l) x 1000 | 6 rpm | HPHT @ | |
|--------|------------------------|----------------|------------------|-------------|----|-------------------------|--------|---------|-------------|------|------|-------|-------------------------|-----------------|-------------|------------|--------------|------------|-----------------|------------|------------------------|-------|-----------|--|
| | | | | | | 10 sec | 10 min | 30 mins | | | | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24-Jun | 1975 | 1.120 | 51 | 20 | 25 | 3 | 4 | 4.8 | 9.8 | 0.20 | 1.00 | 52.0 | 320 | 0.12 | 7.0 | 93.0 | | | | | | | | |
| | 2014 | 1.130 | 50 | 23 | 27 | 4 | 6 | 5.3 | 9.7 | 0.20 | 1.00 | 43.0 | 320 | TR | 7.5 | 92.5 | | | 7.0 | 8.1 | 42.0 | 4 | | |
| | 2038 | 1.130 | 49 | 23 | 26 | 4 | 6 | 5.4 | 9.0 | 0.16 | 0.85 | 43.0 | 300 | TR | 7.5 | 92.5 | | | 15.0 | 8.0 | 41.9 | 6 | | |
| 25-Jun | 2088 | 1.120 | 52 | 22 | 31 | 5 | 8 | 5.2 | 8.7 | 0.10 | 0.60 | 48.0 | 300 | TR | 7.0 | 93.0 | | | 14.0 | 8.0 | 41.9 | 5 | | |
| | 2098 | 1.150 | 49 | 22 | 28 | 4 | 7 | 4.8 | 9.2 | 0.10 | 0.65 | 47.5 | 250 | TR | 8.5 | 91.5 | | | 10.0 | 8.0 | 41.9 | 7 | | |
| 26-Jun | 2120 | 1.150 | 51 | 21 | 24 | 4 | 8 | 5.1 | 9.4 | 0.10 | 0.74 | 47.5 | 280 | TR | 8.5 | 91.5 | | | 11.0 | 7.9 | 41.4 | 6 | | |
| | 2120 | 1.300 | 52 | 29 | 36 | 6 | 8 | 4.6 | 10.5 | 0.20 | 0.80 | 47.5 | 260 | 0.40 | 14.0 | 86.0 | | | 9.0 | 7.7 | 40.3 | 5 | | |
| | 2160 | 1.310 | 54 | 29 | 37 | 7 | 12 | 4.4 | 9.4 | 0.15 | 0.75 | 47.5 | 280 | 0.25 | 14.5 | 85.5 | | | 8.0 | 7.7 | 40.3 | 8 | | |
| 27-Jun | 2196 | 1.300 | 55 | 28 | 33 | 6 | 12 | 4.2 | 9.2 | 0.10 | 0.80 | 47.5 | 340 | 0.20 | 14.0 | 86.0 | | | 9.0 | 7.5 | 39.3 | 9 | | |
| | 2241 | 1.300 | 50 | 25 | 30 | 5 | 10 | 4.3 | 9.5 | 0.14 | 0.90 | 46.5 | 240 | 0.20 | 13.8 | 86.2 | | | 9.0 | 8.2 | 42.9 | 8 | | |
| 28-Jun | 2252 | 1.305 | 54 | 27 | 31 | 6 | 11 | 4.2 | 9.4 | 0.12 | 0.75 | 46.5 | 260 | TR | 14.0 | 86.0 | | | 9.0 | 8.0 | 41.9 | 7 | | |
| | 2253 | 1.300 | 53 | 26 | 32 | 6 | 11 | 4.2 | 9.2 | 0.10 | 0.65 | 46.0 | 260 | TR | 13.8 | 86.2 | | | 9.0 | 8.0 | 41.9 | 8 | | |
| 29-Jun | 2302 | 1.350 | 51 | 26 | 31 | 6 | 14 | 4.3 | 9.1 | 0.12 | 0.78 | 46.0 | 420 | 0.25 | 15.5 | 84.5 | | | 10.0 | 7.9 | 41.4 | 8 | | |
| | 2355 | 1.380 | 53 | 28 | 34 | 7 | 18 | 4.1 | 9.0 | 0.10 | 0.90 | 47.0 | 400 | 0.20 | 16.5 | 83.5 | | | 11.0 | 8.0 | 41.9 | 9 | | |
| 30-Jun | 2402 | 1.375 | 54 | 28 | 32 | 7 | 20 | 4.6 | 9.2 | 0.15 | 0.95 | 47.0 | 180 | TR | 16.0 | 84.0 | | | 12.0 | 8.0 | 41.9 | 9 | | |
| | 2446 | 1.375 | 53 | 27 | 30 | 8 | 23 | 5.0 | 9.4 | 0.18 | 1.00 | 47.5 | 260 | TR | 16.0 | 84.0 | | | 12.5 | 8.0 | 41.9 | 9 | | |
| 1-Jul | 2484 | 1.400 | 55 | 29 | 32 | 8 | 23 | 5.2 | 9.3 | 0.15 | 1.00 | 47.0 | 280 | 0.20 | 17.0 | 83.0 | | | 12.5 | 8.0 | 41.9 | 9 | | |
| | 2486 | 1.400 | 53 | 25 | 27 | 8 | 25 | 5.0 | 9.2 | 0.10 | 0.90 | 47.0 | 320 | 0.10 | 17.0 | 83.0 | | | 12.0 | 8.0 | 41.9 | 10 | | |
| 2-Jul | 2486 | 1.420 | 58 | 28 | 32 | 9 | 32 | 5.2 | 9.2 | 0.10 | 1.00 | 45.0 | 240 | 0.25 | 18.0 | 82.0 | | | 12.5 | 8.2 | 42.9 | 18 | | |
| 3-Jul | 2507 | 1.445 | 62 | 29 | 31 | 10 | 35 | 4.8 | 9.0 | 0.10 | 1.00 | 46.0 | 240 | 0.20 | 19.0 | 81.0 | | | 13.0 | 8.0 | 41.9 | 12 | | |
| | 2525 | 1.440 | 62 | 29 | 31 | 10 | 38 | 4.8 | 9.0 | 0.05 | 1.00 | 46.0 | 260 | 0.30 | 19.0 | 81.0 | | | 13.0 | 8.0 | 41.9 | 12 | | |
| | 2535 | 1.450 | 70 | 31 | 33 | 12 | 38 | 4.8 | 9.6 | 0.20 | 0.90 | 53.0 | 180 | 0.15 | 20.0 | 80.0 | | | 13.5 | 8.8 | 42.9 | 15 | | |
| | 2546 | 1.445 | 60 | 27 | 31 | 15 | 38 | 5.0 | 9.5 | 0.10 | 1.20 | 52.0 | 200 | 0.20 | 20.0 | 80.0 | | | 13.5 | 8.8 | 42.9 | 18 | | |
| 4-Jul | 2574 | 1.450 | 55 | 23 | 28 | 12 | 32 | 6.0 | 9.3 | 0.15 | 1.20 | 52.0 | 240 | 0.10 | 20.0 | 80.0 | | | 12.0 | 8.8 | 46.1 | 14 | | |
| 5-Jul | 2588 | 1.510 | 52 | 28 | 23 | 3 | 18 | 4.6 | 9.5 | 0.20 | 0.80 | 47.0 | 280 | 0.15 | 20.0 | 80.0 | | | 11.5 | 7.5 | 39.3 | 4 | | |
| | 2594 | 1.510 | 60 | 28 | 31 | 4 | 20 | 4.6 | 9.5 | 0.20 | 0.75 | 47.0 | 280 | 0.35 | 20.0 | 80.0 | | | 11.5 | 7.5 | 39.3 | 8 | | |
| | 2606 | 1.510 | 55 | 27 | 23 | 3 | 16 | 4.6 | 9.0 | 0.10 | 0.80 | 56.0 | 280 | 0.15 | 20.0 | 80.0 | | | 11.5 | 8.2 | 42.9 | 5 | | |
| 6-Jul | 2624 | 1.540 | 61 | 29 | 31 | 6 | 22 | 4.6 | 9.2 | 0.15 | 0.80 | 58.0 | 360 | 0.15 | 21.0 | 79.0 | | | 11.5 | 8.2 | 42.9 | 8 | | |
| | 2653 | 1.550 | 59 | 29 | 33 | 8 | 32 | 5.0 | 9.6 | 0.15 | 0.80 | 67.0 | 240 | 0.15 | 22.0 | 78.0 | | | 11.5 | 10.2 | 53.4 | 10 | | |
| | 2673 | 1.550 | 58 | 31 | 35 | 8 | 32 | 5.0 | 9.3 | 0.10 | 0.90 | 67.0 | 280 | 0.35 | 22.0 | 78.0 | | | 11.5 | 11.0 | 57.6 | 10 | | |
| | 2686 | 1.550 | 60 | 18 | 34 | 7 | 24 | 4.6 | 9.6 | 0.20 | 1.20 | 67.5 | 240 | 0.15 | 22.0 | 78.0 | | | 11.5 | 10.9 | 57.1 | 9 | | |
| 7-Jul | 2686 | 1.550 | 60 | 20 | 31 | 5 | 26 | 4.4 | 9.3 | 0.15 | 1.00 | 67.5 | 280 | 0.25 | 22.0 | 78.0 | | | 11.5 | 11.0 | 57.6 | 9 | | |
| 8-Jul | 2693 | 1.555 | 62 | 31 | 36 | 7 | 24 | 5.0 | 9.2 | 0.15 | 0.90 | 65.0 | 280 | 0.25 | 24.0 | 76.0 | | | 11.5 | 10.8 | 56.5 | 9 | | |
| | 2717 | 1.555 | 63 | 35 | 40 | 6 | 23 | 3.6 | 9.6 | 0.20 | 1.00 | 68.0 | 160 | 0.25 | 24.0 | 76.0 | | | 11.5 | 9.8 | 51.3 | 8 | | |
| | 2725 | 1.555 | 62 | 37 | 39 | 6 | 21 | 3.6 | 9.6 | 0.20 | 0.90 | 68.0 | 160 | 0.15 | 23.0 | 77.0 | | | 11.5 | 8.1 | 42.4 | 9 | | |
| 9-Jul | 2750 | 1.555 | 55 | 36 | 28 | 4 | 17 | 3.6 | 8.9 | 0.10 | 0.90 | 86.0 | 260 | 0.15 | 24.0 | 76.0 | | | 11.0 | 13.0 | 68.1 | 7 | | |
| | 2758 | 1.570 | 62 | 37 | 41 | 8 | 23 | 3.6 | 9.6 | 0.10 | 0.80 | 85.0 | 200 | 0.25 | 24.0 | 76.0 | | | 11.0 | 12.8 | 67.0 | 10 | | |
| | 2766 | 1.570 | 60 | 37 | 41 | 8 | 23 | 3.6 | 9.5 | 0.10 | 0.80 | 85.0 | 200 | 0.15 | 24.0 | 76.0 | | | 11.0 | 12.8 | 67.0 | 10 | | |
| 10-Jul | 2775 | 1.550 | 60 | 36 | 40 | 8 | 26 | 3.2 | 9.3 | 0.15 | 0.90 | 85.0 | 300 | 0.15 | 23.0 | 77.0 | | | 11.0 | 10.1 | 52.9 | 10 | | |
| 11-Jul | 2794 | 1.560 | 60 | 33 | 22 | 6 | 18 | 3.2 | 9.3 | 0.15 | 0.80 | 94.0 | 320 | 0.15 | 24.5 | 75.5 | | | 10.5 | 12.9 | 67.5 | 8 | | |
| | 2798 | 1.565 | 58 | 34 | 34 | 7 | 18 | 3.2 | 9.5 | 0.15 | 0.80 | 94.0 | 280 | 0.20 | 24.5 | 75.5 | | | 10.5 | 12.9 | 67.5 | 8 | | |
| | 2808 | 1.565 | 56 | 32 | 36 | 6 | 16 | 3.2 | 9.2 | 0.10 | 0.80 | 101.0 | 240 | 0.15 | 25.0 | 75.0 | | | 10.0 | 15.8 | 82.5 | 9 | | |
| | 2813 | 1.565 | 58 | 35 | 40 | 7 | 20 | 3.2 | 9.6 | 0.15 | 0.70 | 102.0 | 160 | 0.15 | 24.5 | 75.5 | | | 10.0 | 15.4 | 80.6 | 10 | | |
| 12-Jul | 2813 | 1.560 | 58 | 37 | 41 | 7 | 16 | 3.6 | 9.3 | 0.15 | 1.00 | 102.0 | 380 | 0.15 | 24.0 | 76.0 | | | 9.0 | 12.6 | 66.0 | 10 | | |

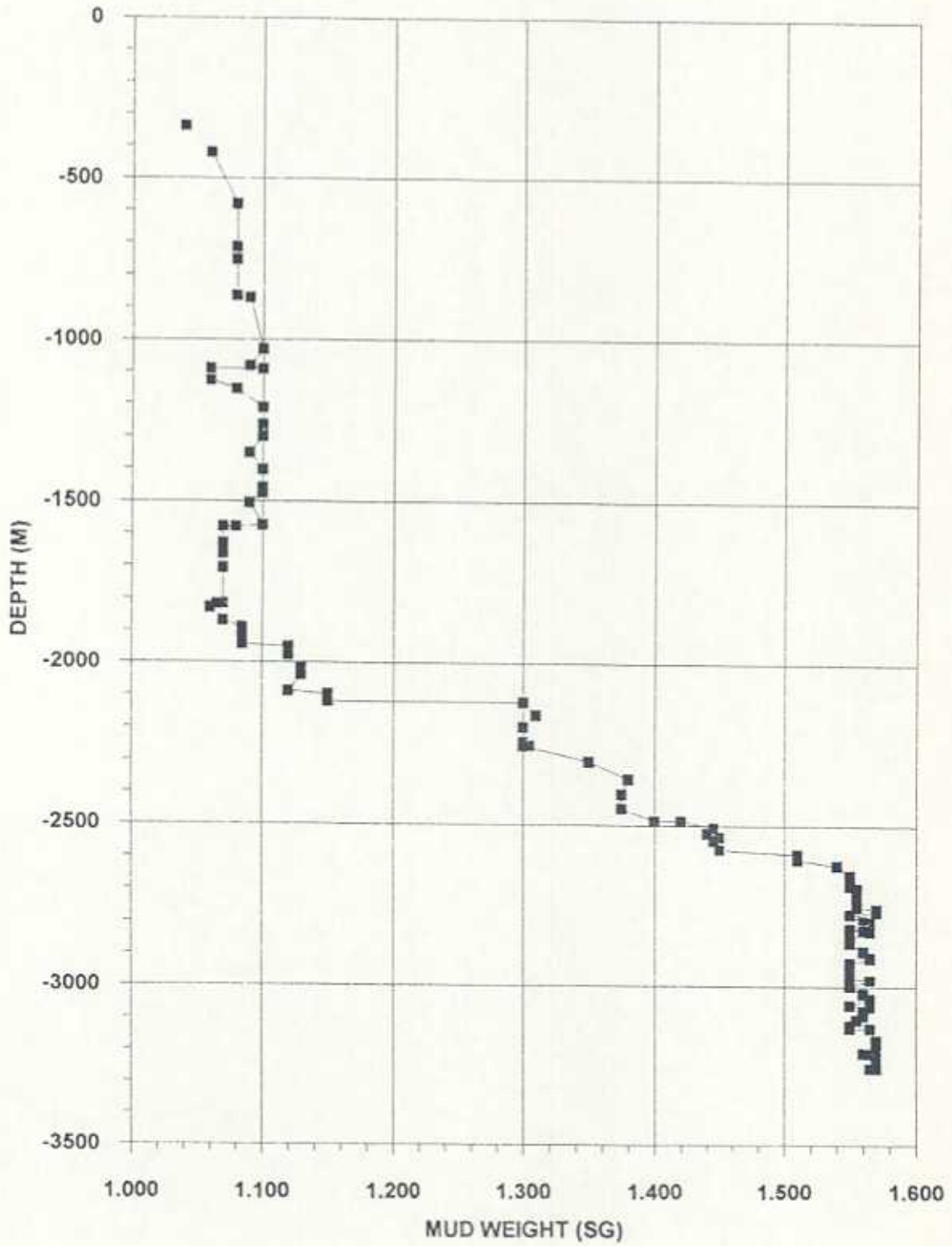
DRILLING FLUID PROPERTIES SUMMARY - 5.1

| DATE | DEPTH HOLE (m) (in) | M.W. (s.g.) | VIS (sec/qrt) | PV (cps) | YP (lbs/100 sq.ft) | GELS | | | WL (ml) | pH | PI | MI | Cl- (mg/l) x 1000 | Ca/Mg (mg/l) | SAND (%) | SOL WATER (%) | WATER (%) | OIL (%) | MBC (lb/bbl) | KCL (%) | K+ (mg/l) x 1000 | S rpm | HPHT @ | |
|--------|---------------------------|----------------|------------------|-------------|-----------------------|--------|--------|---------|------------|------|------|-------|-------------------------|-----------------|-------------|------------------|--------------|------------|-----------------|------------|------------------------|-------|-----------|--|
| | | | | | | 10 sec | 10 min | 30 mins | | | | | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13-Jul | 2816 | 1.565 | 62 | 38 | 41 | 7 | 16 | 3.2 | 9.6 | 0.20 | 0.80 | 112.0 | 160 | 0.15 | 24.5 | 75.5 | | 9.5 | 16.8 | 88.0 | 9 | | | |
| 14-Jul | 2818 | 1.550 | 60 | 35 | 40 | 7 | 18 | 3.4 | 8.9 | 0.20 | 0.90 | 116.0 | 160 | 0.10 | 23.0 | 77.0 | | 9.5 | 15.4 | 80.6 | 10 | | | |
| 15-Jul | 2821 | 1.560 | 62 | 34 | 32 | 8 | 18 | 3.2 | 8.7 | 0.20 | 0.90 | 116.0 | 160 | 0.10 | 24.5 | 75.5 | | 9.5 | 15.4 | 80.6 | 10 | | | |
| | 2823 | 1.560 | 61 | 36 | 38 | 8 | 18 | 3.4 | 9.4 | 0.22 | 1.00 | 115.0 | 160 | 0.10 | 24.5 | 75.5 | | 9.5 | 14.0 | 73.3 | 10 | | | |
| 16-Jul | 2827 | 1.565 | 60 | 33 | 37 | 7 | 18 | 3.2 | 9.6 | 0.25 | 1.15 | 114.0 | 120 | 0.10 | 24.5 | 75.5 | | 9.5 | 15.6 | 81.7 | 9 | | | |
| | 2850 | 1.550 | 60 | 32 | 38 | 7 | 18 | 3.5 | 9.3 | 0.20 | 1.05 | 117.0 | 160 | TR | 24.0 | 76.0 | | 9.0 | 15.4 | 82.4 | 9 | | | |
| 17-Jul | 2863 | 1.550 | 58 | 32 | 32 | 7 | 17 | 3.4 | 8.8 | 0.15 | 0.95 | 117.0 | 160 | TR | 24.0 | 76.0 | | 9.0 | 15.8 | 82.7 | 9 | | | |
| | 2887 | 1.560 | 59 | 34 | 38 | 8 | 18 | 3.1 | 9.1 | 0.18 | 1.10 | 117.0 | 180 | TR | 24.3 | 75.7 | | 8.5 | 15.6 | 81.0 | 10 | | | |
| 18-Jul | 2907 | 1.565 | 65 | 36 | 39 | 8 | 18 | 3.2 | 9.3 | 0.22 | 1.35 | 117.0 | 120 | 0.25 | 25.0 | 75.0 | | 9.0 | 15.6 | 81.7 | 10 | | | |
| | 2910 | 1.565 | 66 | 34 | 37 | 8 | 18 | 3.2 | 9.2 | 0.20 | 1.25 | 117.0 | 120 | 0.15 | 24.7 | 75.3 | | 9.0 | 15.6 | 81.7 | 10 | | | |
| 19-Jul | 2923 | 1.550 | 65 | 33 | 38 | 7 | 17 | 3.3 | 9.5 | 0.25 | 1.25 | 115.0 | 120 | TR | 24.0 | 76.0 | | 8.0 | 15.6 | 81.7 | 9 | | | |
| | 2944 | 1.550 | 61 | 34 | 35 | 7 | 17 | 3.2 | 9.5 | 0.25 | 1.25 | 115.0 | 120 | TR | 24.0 | 76.0 | | 8.5 | 15.4 | 80.6 | 9 | | | |
| 20-Jul | 2956 | 1.550 | 55 | 32 | 36 | 7 | 18 | 3.2 | 9.4 | 0.22 | 1.20 | 114.0 | 100 | TR | 24.0 | 76.0 | | 8.5 | 15.4 | 80.6 | 9 | | | |
| | 2970 | 1.550 | 59 | 34 | 41 | 8 | 20 | 3.2 | 9.2 | 0.20 | 1.20 | 114.0 | 120 | TR | 24.0 | 76.0 | | 8.5 | 15.4 | 80.6 | 10 | | | |
| 21-Jul | 2978 | 1.565 | 65 | 34 | 40 | 8 | 20 | 3.2 | 9.6 | 0.25 | 1.40 | 113.0 | 100 | TR | 24.5 | 75.5 | | 8.5 | 15.4 | 80.6 | 10 | | | |
| 22-Jul | 2978 | 1.565 | 70 | 35 | 40 | 8 | 24 | 3.2 | 9.3 | 0.20 | 1.40 | 112.0 | 100 | 0.15 | 24.5 | 75.5 | | 8.0 | 15.0 | 80.6 | 10 | | | |
| 23-Jul | 2998 | 1.550 | 58 | 31 | 35 | 7 | 18 | 3.4 | 9.3 | 0.20 | 1.30 | 112.0 | 120 | TR | 24.0 | 76.0 | | 8.0 | 14.8 | 77.5 | 9 | | | |
| | 3021 | 1.560 | 61 | 34 | 41 | 7 | 18 | 3.2 | 9.0 | 0.15 | 1.07 | 112.0 | 120 | TR | 24.5 | 75.5 | | 8.5 | 15.4 | 80.6 | 9 | | | |
| 24-Jul | 3037 | 1.565 | 58 | 33 | 35 | 7 | 17 | 3.1 | 9.4 | 0.22 | 1.20 | 113.0 | 120 | TR | 24.7 | 75.3 | | 8.0 | 15.2 | 79.6 | 8 | | | |
| | 3058 | 1.550 | 61 | 34 | 38 | 8 | 19 | 3.2 | 9.4 | 0.22 | 1.20 | 116.0 | 120 | TR | 24.0 | 76.0 | | 8.0 | 15.6 | 81.7 | 10 | | | |
| 25-Jul | 3063 | 1.565 | 62 | 34 | 35 | 7 | 17 | 3.1 | 9.0 | 0.15 | 1.05 | 113.0 | 140 | 0.15 | 24.5 | 75.5 | | 8.5 | 15.4 | 80.6 | 9 | | | |
| 26-Jul | 3076 | 1.560 | 60 | 32 | 35 | 7 | 19 | 3.1 | 9.4 | 0.20 | 1.20 | 113.0 | 140 | TR | 24.3 | 75.7 | | 7.5 | 15.4 | 80.6 | 9 | | | |
| | 3091 | 1.560 | 60 | 33 | 38 | 8 | 21 | 3.0 | 9.3 | 0.18 | 1.15 | 113.0 | 140 | TR | 24.3 | 75.7 | | 8.0 | 15.4 | 80.6 | 10 | | | |
| 27-Jul | 3104 | 1.555 | 60 | 33 | 37 | 7 | 19 | 3.0 | 9.2 | 0.18 | 1.15 | 111.0 | 140 | TR | 24.2 | 75.8 | | 7.5 | 15.4 | 81.9 | 9 | | | |
| | 3123 | 1.550 | 58 | 33 | 34 | 7 | 17 | 3.0 | 9.4 | 0.20 | 1.20 | 111.0 | 120 | TR | 24.0 | 76.0 | | 7.5 | 15.6 | 82.1 | 9 | | | |
| 28-Jul | 3131 | 1.550 | 66 | 36 | 33 | 7 | 17 | 3.0 | 9.3 | 0.18 | 1.15 | 112.0 | 140 | TR | 24.2 | 75.8 | | 7.5 | 15.4 | 80.6 | 9 | | | |
| | 3131 | 1.565 | 58 | 34 | 32 | 7 | 17 | 3.2 | 9.0 | 0.15 | 1.08 | 109.0 | 140 | 0.20 | 25.0 | 75.0 | | 7.5 | 15.0 | 78.5 | 9 | | | |
| 29-Jul | 3168 | 1.570 | 60 | 34 | 36 | 8 | 16 | 3.4 | 9.0 | 0.15 | 1.20 | 115.0 | 160 | TR | 25.0 | 75.0 | | 7.5 | 15.3 | 80 | 11 | | | |
| 30-Jul | 3195 | 1.570 | 60 | 35 | 37 | 8 | 16 | 3.0 | 9.0 | 0.20 | 1.20 | 110.0 | 120 | TR | 26.0 | 74.0 | | 7.5 | 15.6 | 82 | 10 | | | |
| 31-Jul | 3208 | 1.560 | 66 | 42 | 39 | 8 | 18 | 3.0 | 9.5 | 0.40 | 1.60 | 110.0 | 120 | TR | 26.0 | 74.0 | | 10.0 | 16.0 | 84 | 11 | | | |
| | 3209 | 1.565 | 68 | 43 | 39 | 8 | 18 | 3.0 | 9.5 | 0.40 | 1.60 | 110.0 | 120 | TR | 26.5 | 73.5 | | 10.0 | 16.0 | 84 | 11 | | | |
| 1-Aug | 3222 | 1.570 | 60 | 37 | 36 | 7 | 16 | 3.0 | 9.3 | 0.35 | 1.40 | 110.0 | 120 | TR | 25.5 | 74.5 | | 7.5 | 15.6 | 82 | 9 | | | |
| | 3237 | 1.570 | 60 | 35 | 36 | 7 | 15 | 3.0 | 9.0 | 0.20 | 1.20 | 110.0 | 120 | TR | 25.5 | 74.5 | | 7.5 | 15.6 | 82 | 9 | | | |
| 2-Aug | 3249 | 1.570 | 65 | 37 | 38 | 8 | 16 | 3.0 | 9.0 | 0.15 | 1.00 | 110.0 | 120 | TR | 26.0 | 74.0 | | 8 | 15.6 | 82 | 9 | | | |
| | 3257 | 1.570 | 60 | 35 | 36 | 7 | 15 | 3.0 | 9.0 | 0.20 | 1.20 | 110.0 | 120 | TR | 25.5 | 74.5 | | 8 | 15.6 | 82 | 9 | | | |
| 3-Aug | 3257 | 1.570 | 66 | 35 | 36 | 7 | 15 | 3.0 | 9.0 | 0.20 | 1.20 | 110.0 | 120 | TR | 25.5 | 74.5 | | 8 | 15.6 | 82 | 9 | | | |
| 4-Aug | 3257 | 1.570 | 64 | 37 | 38 | 8 | 16 | 3.2 | 9.0 | 0.20 | 1.20 | 110.0 | 120 | TR | 26.0 | 74.0 | | 8 | 15.6 | 82 | 9 | | | |
| 5-Aug | 3257 | 1.570 | 66 | 37 | 38 | 8 | 16 | 3.0 | 8.6 | 0.20 | 1.20 | 110.0 | 120 | TR | 26.0 | 74.0 | | 8 | 15.6 | 82 | 10 | 10.2 | | |
| 6-Aug | 3257 | 1.565 | 64 | 36 | 36 | 7 | 15 | 3.0 | 8.6 | 0.15 | 1.10 | 103.0 | 120 | TR | 25.5 | 74.5 | | 8 | 15.6 | 82 | 9 | 10.2 | | |
| 7-Aug | 3257 | 1.570 | 60 | 35 | 35 | 7 | 15 | 3.0 | 8.6 | 0.10 | 0.80 | 103.0 | 120 | TR | 25.5 | 74.5 | | 8 | 15.6 | 82 | 9 | 10.2 | | |
| 8-Aug | 3257 | 1.565 | 59 | 34 | 35 | 7 | 15 | 3.0 | 8.6 | 0.10 | 0.80 | 103.0 | 120 | TR | 25.5 | 74.5 | | 8 | 15.6 | 82 | 9 | 10.2 | | |
| 9-Aug | 3257 | 1.570 | 63 | 35 | 36 | 7 | 15 | 3.0 | 8.6 | 0.05 | 0.60 | 105.0 | 120 | TR | 26.0 | 74.0 | | 8 | 15.6 | 82 | 9 | 10.2 | | |
| 10-Aug | 3257 | 1.570 | 65 | 38 | 38 | 8 | 17 | 3.8 | 10.0 | 0.40 | 1.20 | 105.0 | 200 | TR | 26.0 | 74.0 | | 8 | 15.6 | 82 | 10 | | | |

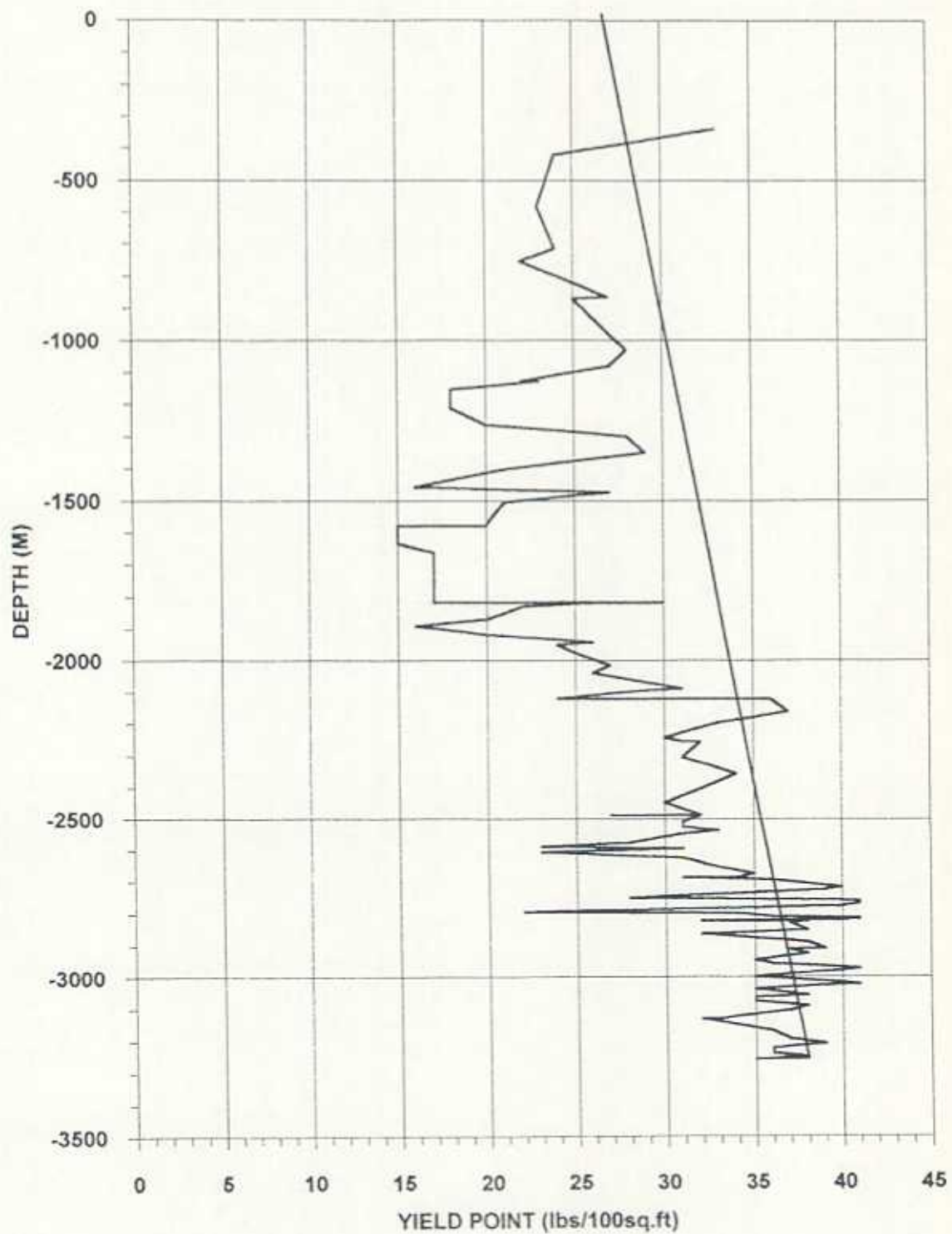
5.2 Graphs

Depth Vs Mud Weight
Vs Yield Point
Vs Plastic Viscosity
Vs Fluid Loss
Vs Potassium Content
Vs MBC
Vs Chloride Content

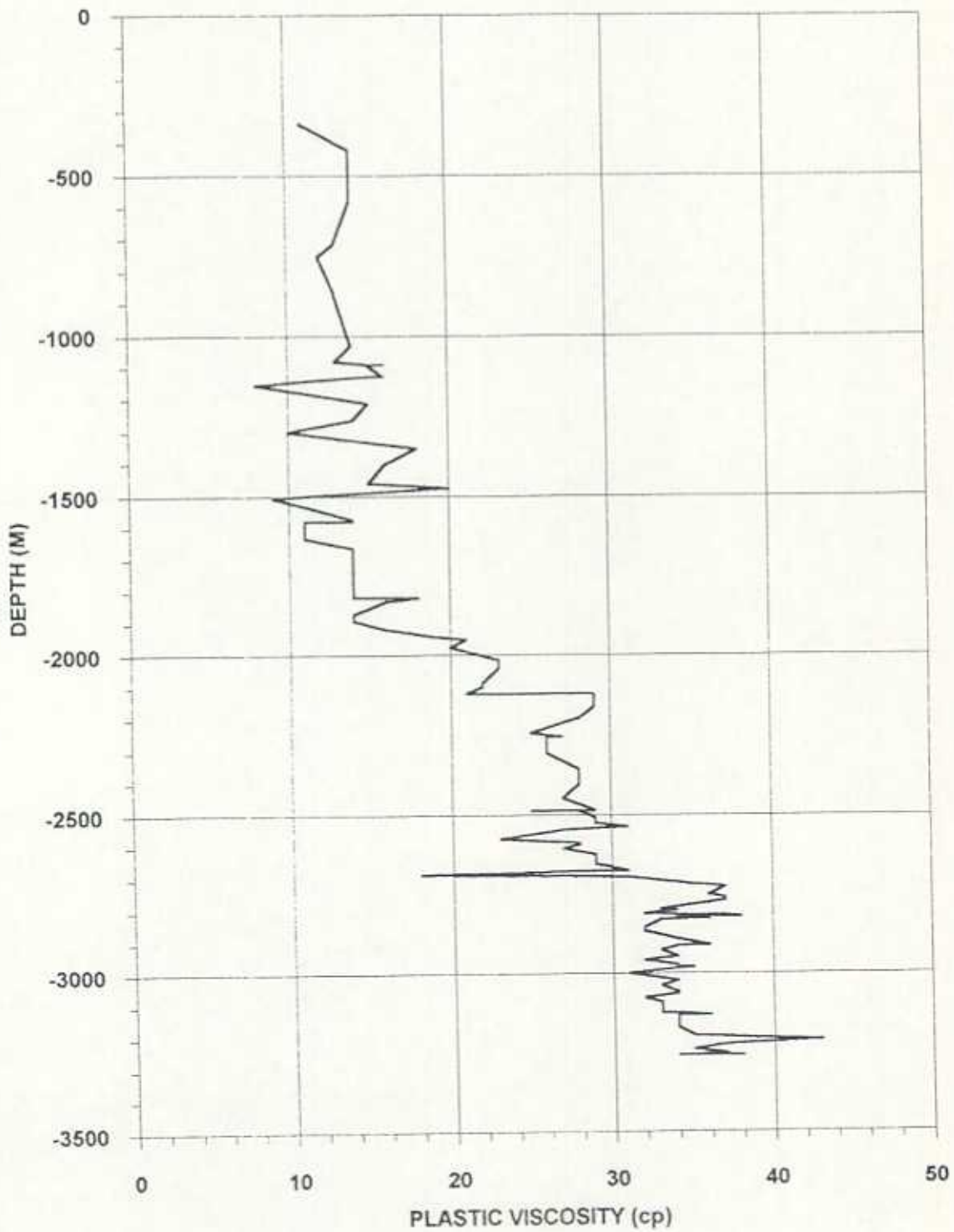
KINGFISHER #1
5.2 DEPTH vs MUD WEIGHT



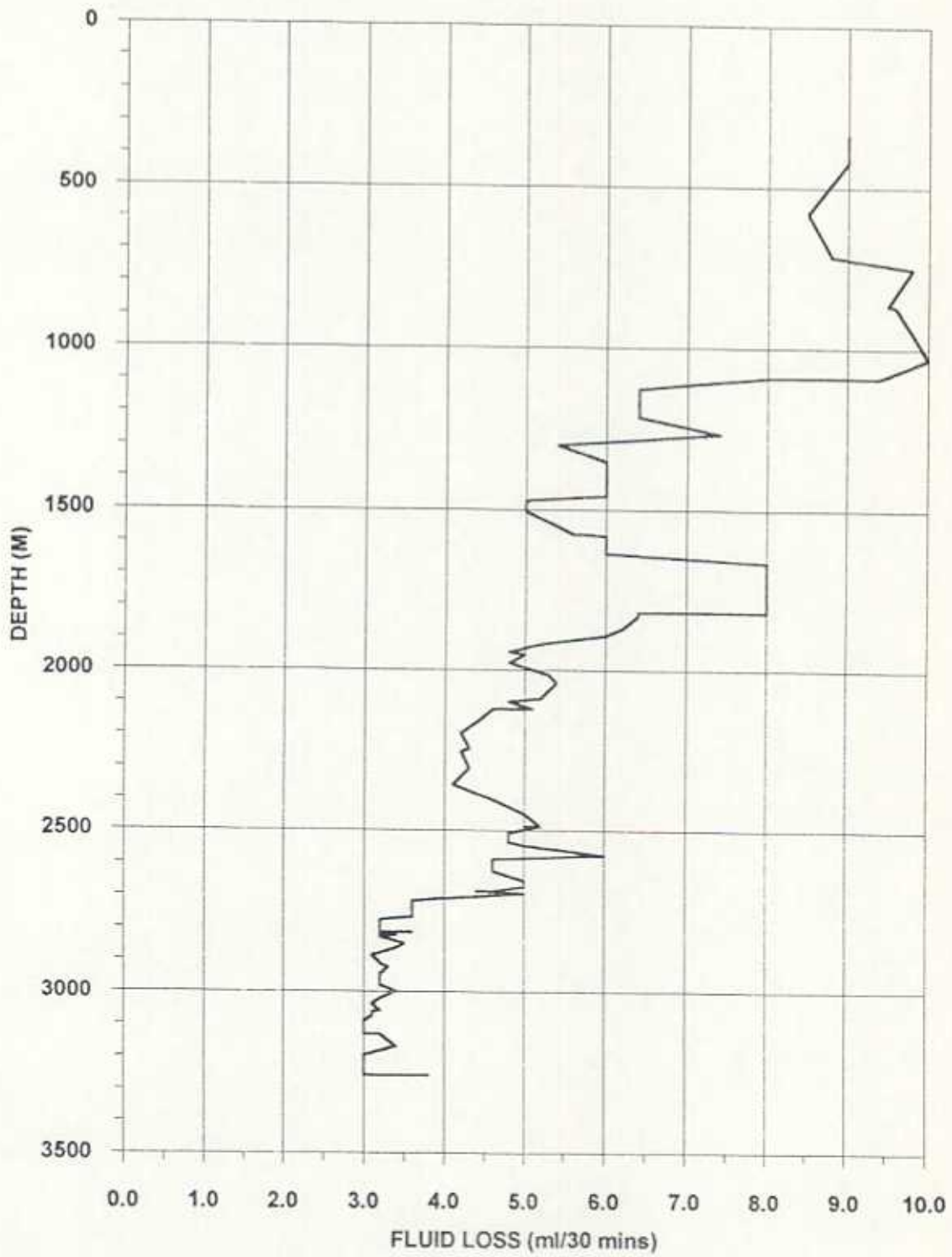
KINGFISHER #1
5.2 DEPTH vs YIELD POINT



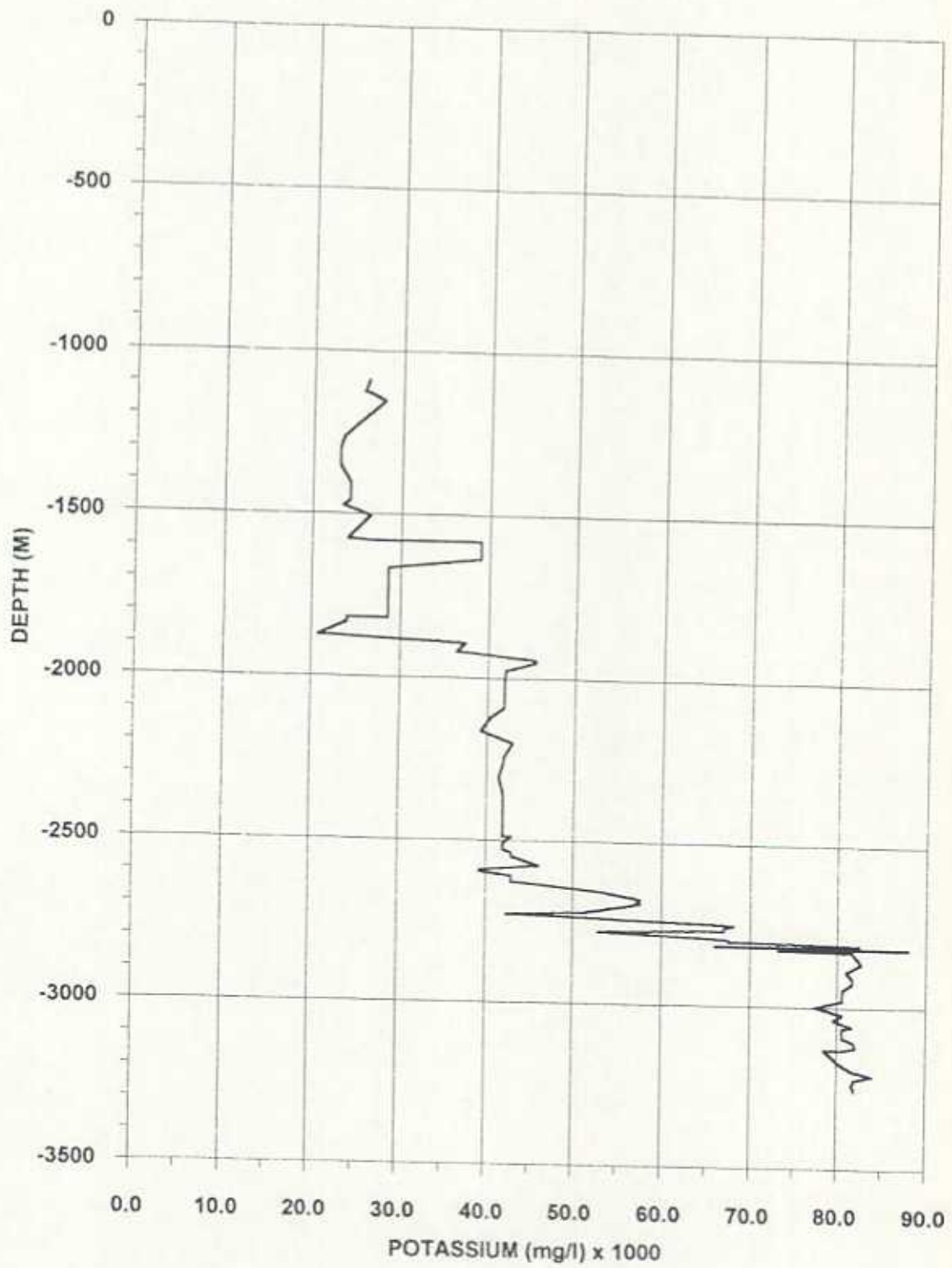
KINGFISHER #1
5.2 DEPTH vs PLASTIC VISCOSITY



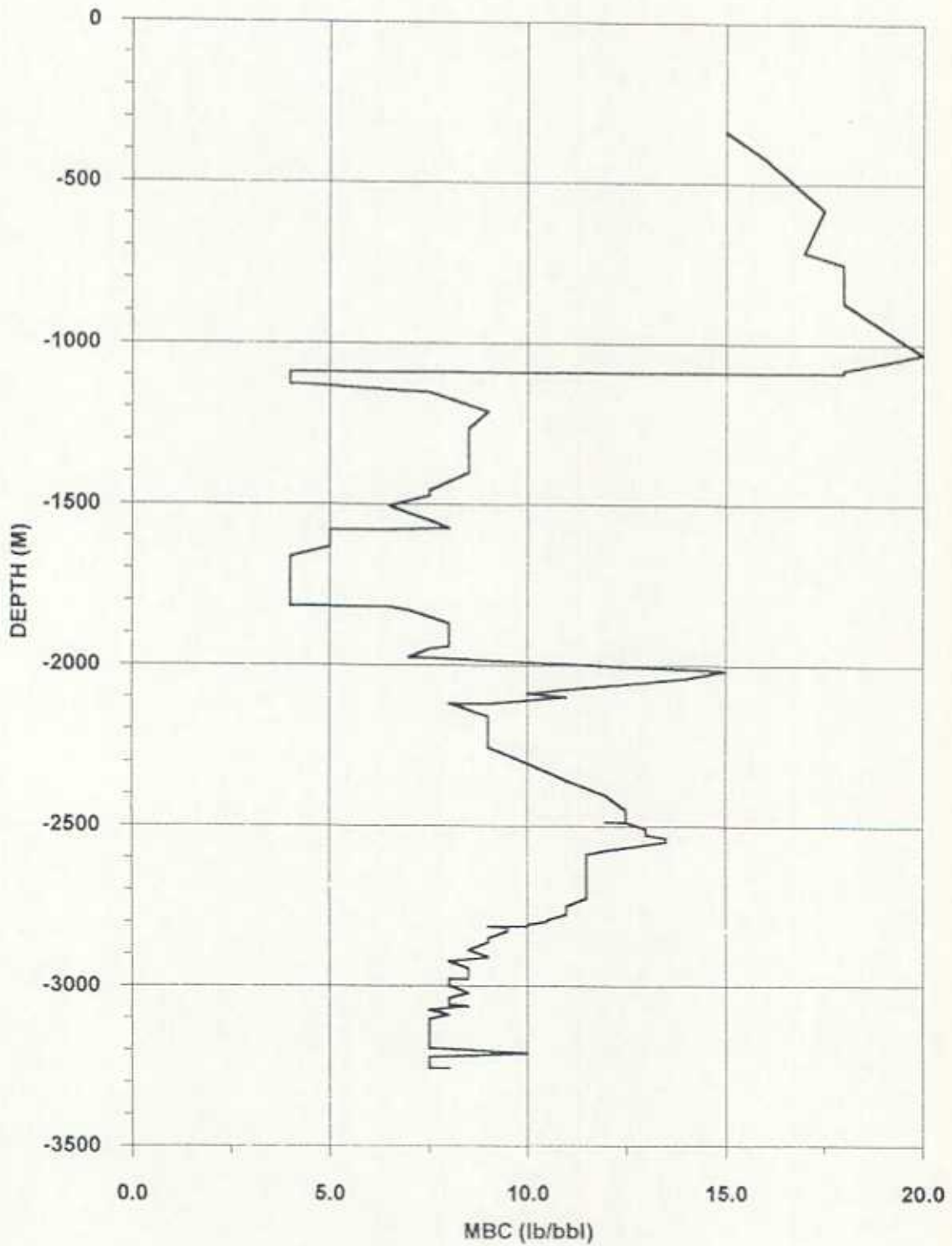
KINGFISHER#1
5.2 DEPTH vs API FLUID LOSS



KINGFISHER #1
5.2 DEPTH vs POTASSIUM CONTENT



KINGFISHER #1
5.2 DEPTH vs MBC



KINGFISHER#1
5.2 DEPTH vs CHLORIDES

