



Baroid Australia PTY. LTD./NL INDUSTRIES INC.

DRILLING FLUID PROPERTY RECAP

COMPANY AMOCO AUSTRALIA PETROLEUM COMPANY

WELL KOORKAH NO. 1

| DATE 1985 | DEPTH Ft | HOLE SIZE | TEMP °F | WEIGHT ppg | VIS SEC | PV | YP | GELS 10 sec | GELS 10 min | WATER LOSS A.P.I. | CAKE mm | pH | PI | MI | CI mg/l | Ca mg/l | SAND % | SOLIDS % | WATER % | OIL % | MBC ppb | REMARKS | TREATMENT | FORMATION |
|-----------------|----------|-----------|---------|------------|---------|----|----|-------------|-------------|-------------------|---------|------|-----|-----|---------|---------|--------|----------|---------|-------|---------|---|--------------------|-----------|
| <u>NOVEMBER</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 629 | 36" | - | 8.8 | 170 | | | | | | | | | | | | | | | | | SPUD MUD, RETURNS TO SEA FLOOR | | |
| 29 | 774 | 26" | - | 8.8+ | 20 | 11 | 51 | 11 | 35 | | | 10.5 | | | | | | | | | 25 | " " " " " " | | |
| 30 | 1360 | " | - | 9.0 | 20 | 11 | 50 | 11 | 35 | | | 10.5 | | | | | | | | | 25 | " " " " " " | | |
| <u>DECEMBER</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1360 | - | - | 8.8 | 59 | 14 | 22 | 12 | 26 | 4.3 | 1 | 11.7 | 1.4 | 1.5 | 2500 | 30 | - | 3 | 97 | - | 25 | GEL-STARCH MUD | | |
| 2 | 2570 | 17 1/2" | 98 | 9.1 | 41 | 8 | 11 | 10 | 23 | 4.2 | 1 | 11.1 | 1.4 | 2.2 | 1100 | 20 | Tr | 5 | 95 | - | 22.5 | ADD Q-BROXIN, GUMBO | CLYST, GUMBO | 47 |
| 3 | 3750 | " | 118 | 9.0+ | 58 | 8 | 10 | 9 | 44 | 6.4 | 1 | 9.7 | 0.2 | 0.4 | 8200 | 200 | Tr | 7 | 93 | - | 27.5 | DRILLWATER SHORT, ADD SEAWATER | CLYST, GUMBO | |
| 4 | 4560 | " | 123 | 9.3 | 64 | 7 | 11 | 8 | 23 | 10.7 | 2 | 11.3 | 0.9 | 1.7 | 6100 | 100 | Tr | 7.5 | 92 | - | 27.5 | ADD DRILLWATER | " " | |
| 5 | 5120 | " | 130 | 9.2+ | 48 | 11 | 17 | 15 | 33 | 10.2 | 2 | 10.2 | 0.5 | 0.9 | 5000 | 40 | Tr | 8 | 92 | - | 25 | SUSPECT CO ₂ ADD LIME/Q-BROXIN | " " | |
| 6 | 5246 | " | 132 | 9.1 | 48 | 10 | 10 | 6 | 18 | 6.8 | 2 | 10.5 | 0.7 | 0.9 | 6100 | 80 | Tr | 7 | 93 | - | 25 | " " " " " " | " " | |
| 7 | 5246 | " | 130 | 9.8 | 44 | 17 | 16 | 8 | 24 | 6.2 | 2 | 10.7 | 0.8 | 1.4 | 5200 | 80 | Tr | 9 | 91 | - | 25 | HOLE INSTABILITY, RAISE WEIGHT | " " | |
| 8 | 5246 | | | | | | | | | | | | | | | | | | | | | DUMP & CLEAN PITS, MIX NEW MUD | | |
| 9 | 5265 | 12 1/4" | 118 | 8.7+ | 60 | 13 | 35 | 13 | 34 | 5.0 | 1 | 11.7 | 1.3 | 1.9 | 700 | 10 | Tr | 3.5 | 96 | - | 20 | NEW LSND MUD, ADD DFLC | CLYST, SAND | |
| 10 | 6285 | " | 133 | 8.8+ | 42 | 12 | 7 | 4 | 26 | 6.5 | 1 | 10.5 | 0.4 | 0.6 | 500 | 20 | Tr | 4 | 96 | - | 20 | ADD DFLC & GILSONITE | SLTST, SDST | |
| 11 | 6780 | " | 136 | 8.9 | 44 | 19 | 10 | 3 | 22 | 5.6 | 1 | 11.2 | 0.7 | 1.2 | 750 | 10 | Tr | 5 | 95 | - | 20 | ADD PREMIX, SAND BLINDING SHAKERS | " " | |
| 12 | 7370 | " | 135 | 9.0+ | 42 | 18 | 9 | 3 | 14 | 6.2 | 1 | 10.5 | 0.4 | 0.7 | 550 | 30 | Tr | 6.75 | 93 | - | 20 | CO ₂ CONTAM. -ADD LIME | CLYST, SLTST | |
| 13 | 7648 | " | 134 | 9.1+ | 47 | 15 | 13 | 9 | 19 | 6.5 | 1 | 10.4 | 0.2 | 0.4 | 500 | 20 | Tr | 7.5 | 92 | - | 20 | " " " " | " " | |
| 14 | 8100 | " | 143 | 9.1+ | 45 | 14 | 9 | 13 | 34 | 7.8 | 1 | 11.5 | 0.5 | 0.8 | 480 | 20 | Tr | 6.0 | 94 | - | 20 | ADD LIME & PREMIX | SDST, SLTST | |
| 15 | 8437 | " | 147 | 9.1+ | 47 | 9 | 14 | 15 | 28 | 6.8 | 1 | 11.4 | 0.5 | 0.8 | 510 | 10 | Tr | 6.5 | 93 | - | 20 | " " " " | CLYST | |
| 16 | 8520 | " | 133 | 9.2 | 47 | 13 | 15 | 16 | 27 | 6.6 | 1 | 11.0 | 0.4 | 0.7 | 550 | 10 | Tr | 6.75 | 93 | - | 20 | " " " " | SDST, SLTST, CLYST | |
| 17 | 8905 | " | 137 | 9.2+ | 52 | 15 | 13 | 12 | 20 | 6.3 | 1 | 11.6 | 0.7 | 1.2 | 460 | Tr | Tr | 7.25 | 92 | - | 20 | " " " " | SDST, SLTST | |
| 18 | 9372 | " | 149 | 9.2+ | 52 | 19 | 12 | 12 | 22 | 6.2 | 1 | 11.4 | 0.5 | 1.1 | 950 | 40 | Tr | 7.5 | 92 | Tr | 20 | " " " " | " " | |
| 19 | 9623 | " | 136 | 9.2+ | 50 | 17 | 11 | 9 | 18 | 6.7 | 1 | 11.5 | 0.4 | 1.1 | 1500 | 80 | Tr | 7.5 | 92 | Tr | 17 | " " " " | SDST, SLTST, CLYST | |
| 20 | 9965 | " | 149 | 9.2+ | 56 | 20 | 13 | 8 | 20 | 6.4 | 1 | 11.4 | 0.6 | 1.4 | 1900 | 80 | Tr | 7.2 | 92 | Tr | 18 | " " " " | SDST | |
| 21 | 10238 | " | 154 | 9.3 | 49 | 15 | 11 | 10 | 23 | 7.0 | 1 | 11.0 | 0.4 | 1.0 | 2000 | 80 | Tr | 7.2 | 92 | Tr | 18 | " " " " | SDST, CLYST | |

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