SQUID No.1 and No.1 ST

# DRILLING ANALYSIS CHART

Appendix 2.1

| DATE | | BIT | | | | | | | SURVEY | | PUMP | | | | | MUD DATA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SQUID No.1 | DAY | BIT NO. | MAKE | TYPE | SIZE | REMARKS AND BIT COND. | DEPTH IN (m) | DEPTH OUT (m) | DEPTH | DEG. | DEPTH M | WOB K lbs. | RPM | PUMP PRES-PSI | FLOW RATE-GPM | MW Lb/Gal | FUNNEL VIS. | PLASTIC VIS. | YP | GEL | WL | H2O % | SOL % | PH |
| 17 July 1984 | 1 | 1 | Smith | DGJ | 17-½ | W/26" Hole opener<br>T 2 B 4 G I | 102 | 258 | 165<br>258 | 3/4<br>½ | | | | | | | | | | | | | | |
| 18 July 1984 | 2 | | | | | | | | 417 | 1/4 | 300<br>400<br>500 | 5<br>15<br>15 | 130<br>150<br>150 | 2600<br>2600<br>-- | 750<br>980 | 9.2<br>9.1 | 126<br>40 | 10<br>5 | 38<br>21 | 18/35<br>15/23 | -<br>- | 96<br>96 | 4<br>4 | 10.5<br>9.5 |
| 19 July 1984 | 3 | | | | | | | | 703 | 1/4 | 600<br>700 | 10-15<br>10-15 | 150<br>150 | 2800<br>2800 | 980<br>980 | | | | | | | | | |
| 20 July 1984 | 4 | 2 | HTC | DSC 3AJ | 17-½" | 3x20 Jets<br>T 4 B 5 G I | 258 | 1254 | 914 | 1/4 | 800<br>1000<br>1100<br>1200 | 10-15<br>15<br>10-15<br>25-30<br>25-30 | 150<br>150<br>150<br>150<br>150 | 2800<br>2800<br>2800<br>2800<br>2800 | 980<br>720.<br>720<br>980<br>980 | 9.1<br>9.2 | 40<br>43 | 5<br>6 | 23<br>25 | 16/28<br>19/27 | -<br>- | 96<br>96 | 4<br>4 | 9.5<br>9.0 |
| 21 July 1984 | 5 | | | | | Running Schlumberger | | | | | | | | | | | | | | | | | | |
| 22 July 1984 | 6 | | | | | Wire Line & Logs | | | | | | | | | | | | | | | | | | |
| 23 July 1984 | 7 | | | | | and 13-3/8" Casing | | | | | | | | | | | | | | | | | | |
| 24 July 1984 | 8 | 3 | HTC | XDG | 12-¼" | 3X14 Jets<br>T 4 B 5 G I | 1254 | 1533 | 1408<br>1533 | 1-¼<br>2 | 1350<br>1400<br>1450<br>1500<br>1580 | 25-30<br>25-30<br>30<br>5-8<br>5-8 | 150<br>150<br>150<br>150<br>150 | 2800<br>2800<br>2800<br>2800<br>2800 | 710<br>710<br>720<br>720<br>710 | 9.5 | 49 | 12 | 13 | 22/30 | 11.1 | 94 | 6 | 11.0 |
| 25 July 1984 | 9 | 4 | HTC | XDG | 12-¼" | 3X14 Jets<br>T 6 B 5 G 1/8 | 1533 | 1810 | 1650<br>1690 | 1-½ | 1735<br>1835 | 5-8<br>5-8<br>25-30 | 150<br>150<br>150 | 2800<br>2800<br>2800 | 720<br>710<br>710 | 9.3<br>9.4 | 39<br>44 | 8<br>8 | 16<br>18 | 16/32<br>20/31 | 12.1<br>11.1 | 94<br>94 | 6<br>6 | 9.5<br>9.0 |
| 26 July 1984 | 10 | 5 | HTC | JD3 | 12-¼" | 3X15 Jets<br>T 8 B 8 G 1/8 | 1810 | 1958 | 1810<br>1958 | 3<br>2 | 1958<br>2000 | 25-30<br>25-30 | 150<br>130 | 2800<br>2800 | 720<br>720 | | | | | | | | | |
| 27 July 1984 | 11 | 6 | HTC | JD3 | 12-¼" | 3X15 Jets<br>T 8 B 6 G 1/8 | 1958 | 2129 | 2129 | 1 | 2050<br>2115<br>2160 | 30-35<br>30-35<br>40 | 130<br>130<br>130 | 2800<br>2800<br>2800 | 720<br>720<br>720 | | | | | | | | | |
| 28 July 1984 | 12 | 7 | HTC | JD3 | 12-¼" | 3X15 Jets<br>T 7 B 5 G 1/8 | 2129 | 2315 | 2316 | 1/4 | 2240<br>2360<br>2440 | 40<br>50<br>50 | 130<br>130<br>130 | 2800<br>2800<br>2800 | 720<br>720<br>720 | 9.3 | 38 | 7 | 12 | 8/18 | 10.0 | 94 | 6 | 9.0 |
| 29 July 1984 | 13 | 8 | HTC | XDG | 12-¼" | 3X15 Jets<br>T 6 B 4 G I | 2315 | 2471 | 2472 | 2 | 2540 | 50 | 130 | 2800 | 720 | 9.3 | 42 | 9 | 10 | 14/25 | 10.1 | 93 | 7 | 10.1 |
| 30 July 1984 | 14 | 9 | HTC | XDG | 12-¼" | 3X15 Jets<br>T 3,B 3 G I | 2471 | 2581 | | | 2620 | 55-60 | 90 | 2800 | 640 | 9.3 | 38 | 10 | 9 | 16/18 | 10.1 | 93 | 7 | 9.5 |
| 31 July 1984 | 15 | 10 | HTC | J22 | 12-¼" | 3X15 Jets | 2581 | 2918 | | | 2740 | 55-60 | 90 | 2800 | 640 | | | | | | | | | |
| 01 Aug 1984 | 16 | | | | | | | | 2918 | 1 | 2800 | 55-60 | 90 | 2800 | 640 | | | | | | | | | |
| SQUID No.1 ST | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 Aug 1984 | 23 | (Side track- hole<br>11-(RR8) | at 1320m,<br>HTC | XDG | 12-¼" | Set Cement Plug<br>1450 to 1288m<br>No Jets | 1288 | 1357 | 1320<br>1349 | 2-½<br>N 20 W<br>3<br>N 5 W | | 30 | 120 | 1200 | 600 | 9.2 | 45 | 11 | 8 | 6/18 | 6.9 | 95 | 5 | 11.0 |
| 9 Aug 1984 | 24 | 12 | HTC | XDG | 12-¼" | 3X15 Jets<br>T 6 B G G I | 1357 | 1763 | 1384<br>1533<br>1764 | 4<br>N 40 W<br>3-3/4<br>N 50 E<br>9<br>S 13 W | 1465<br>1550<br>1635<br>1720<br>1800 | 20-25<br>20-25<br>20-25<br>20-25<br>20-25<br>55-60 | 120<br>120<br>120<br>120<br>120<br>120 | 2800<br>2800<br>2800<br>2800<br>3000<br>3000 | 740<br>740<br>740<br>740<br>760<br>760 | 9.1<br>9.2 | 46<br>48 | 12<br>14 | 8<br>9 | 6/19<br>10/31 | 6.1<br>5.8 | 95<br>94 | 5<br>6 | 11.0<br>11.0 |
| 10 Aug 1984 | 25 | 13 | HTC | XDG | 12-¼" | 3X15 Jets<br>T 8 B 6 G ¼ | 1763 | 1813 | 1813<br>1927 | 8-½<br>S 32 E<br>7-¼<br>S 18 E | 1840<br>1890<br>1940 | 40-45<br>50<br>50 | 90<br>90<br>90 | 3000<br>2200<br>2900 | 760<br>680<br>720 | 9.3<br>9.5 | 51<br>47 | 14<br>15 | 10<br>8 | 15/33<br>8/20 | 4.3<br>4.5 | 94<br>93 | 6<br>7 | 10.5<br>10.5 |
| 11 Aug 1984 | 26 | 14 | HTC | J11 | 12-¼" | 3X15 Jets<br>T 8 B 4 G I | 1813 | 2051 | 2038<br>2052 | ½<br>S 15 E<br>½<br>S 15 E | 2005<br>2140 | 55<br>50-55 | 90<br>90 | 2900<br>3000 | 720<br>720 | | | | | | | | | |
| 12 Aug 1984 | 27 | | | | | | | | 2209<br>2324 | 6<br>6 | 2225<br>2280<br>2335 | 40-45<br>40-45<br>50 | 90<br>90<br>90 | 3000<br>3000<br>3000 | 720<br>720<br>720 | 9.5 | 48 | 15 | 7 | 6/21 | 4.3 | 93 | 7 | 10.5 |
| 13 Aug 1984 | 28 | 15 | HTC | J22 | 12-¼" | 3X15 Jets<br>T 4 B 7 G I | 2051 | 2535 | 2531 | 3/4<br>S 6 W | 2410<br>2475 | 50<br>50 | 90<br>90 | 3000<br>3000 | 720<br>720 | 9.5 | 53 | 16 | 8 | 12/39 | 4.4 | 92 | 8 | 10.0 |
| 14 Aug 1984 | 29 | 16 | HTC | J22 | 12-¼" | 3X15 Jets<br>Washout | 2535 | 2721 | | | 2615<br>2680 | 50-55<br>50-55 | 80<br>80 | 2900<br>2900 | 710<br>710 | 9.5<br>9.5 | 48<br>48 | 14<br>15 | 8<br>8 | 10/26<br>6/24 | 4.5<br>4.4 | 93<br>92 | 7<br>8 | 10.0<br>10.5 |
| 15 Aug 1984 | 30 | | | | | | | | | | 2800 | 50 | 90 | 2800 | 650 | | | | | | | | | |
| 16 Aug 1984 | 31 | 17 | HTC | J22 | 12-¼" | 3X15 Jets | 2721 | 2922 | 2918 | 1/4<br>S 72 W | 2875 | 50 | 90 | 2800 | 650 | | | | | | | | | |