

\* GEOSERVICES  
\* ON-LINE TDC

CAPE SORELL # 1

DATE: 19/ 7/82

466379

\* BIT # 10 + UR SMITH DSG BIT DIAMETER: 17.50 inch NOZZ 18/10/19

MUD RHEOLOGICAL PARAMETERS: PV = 22 YP = 45 GEL = 15

| TIME      | DEPTHS   |        |        | DRILLING PARAMETERS |      |     |      | MUD PARAMETERS |      |       |         | GAS         |             |      | OVERPRESSURE SURVEY |      |     | ACCUMULATED ON BIT |      |      |      |      |       |      |       |
|-----------|----------|--------|--------|---------------------|------|-----|------|----------------|------|-------|---------|-------------|-------------|------|---------------------|------|-----|--------------------|------|------|------|------|-------|------|-------|
|           | MEASURED | VERTCL | LAGGED | ROP                 | WOB  | RPM | TORG | PRESS          | FLOW | PIT   | DENSITY | TEMPERATURE | RESISTIVITY | GAS  | DCS                 | NORM | PF  | ECD                | FRAC | FEET | TIME | COST |       |      |       |
| Hr:mn     | feet     | feet   | feet   | ft/h                | klbs | rpm | ftlb | psi            | gpm  | bbbls | ppg     | degF        | IN          | OUT  | ppg                 | ppg  | ppg | ppg                | feet | Dhr  | \$   |      |       |      |       |
| D * 15:40 | 2078.7   | 2075.0 | 2063.0 | 393.9               | 15.0 | 0   | 0    | 00             | 0    | 464   | 8.7     | 8.7         | 67.9        | 74.0 | .89                 | .90  | 5   | -1.29              | .89  | 8.6  | 8.7  | 12.1 | 13.3  | .00  | 1600  |
| D * 17:36 | 2068.5   | 2066.3 | 2065.0 | 176.7               | .9   | 67  | 700  | 2014           | 795  | 440   | 8.7     | 8.7         | 72.1        | 79.2 | .90                 | .89  | 5   | .56                | .89  | 8.6  | 8.7  | 12.1 | 2.3   | .02  | 9270  |
| D * 20:48 | 2068.1   | 2064.6 | 2067.0 | 16.9                | 11.4 | 66  | 1200 | 2005           | 806  | 544   | 8.7     | 8.7         | 79.0        | 85.7 | .93                 | .93  | 3   | 1.03               | .89  | 8.6  | 8.7  | 12.1 | .6    | 2.99 | 37867 |
| D * 21:21 | 2071.8   | 2069.4 | 2068.0 | 15.7                | 3.3  | 76  | 600  | 2014           | 806  | 542   | 8.7     | 8.7         | 80.6        | 87.8 | .92                 | .91  | 3   | .84                | .89  | 8.6  | 8.7  | 12.1 | 5.4   | 3.37 | 6249  |
| D * 21:26 | 2074.4   | 2071.5 | 2068.0 | 36.3                | .0   | 76  | 600  | 2024           | 806  | 530   | 8.7     | 8.7         | 80.9        | 87.6 | .93                 | .92  | 3   | .65                | .89  | 8.6  | 8.7  | 14.1 | 7.5   | 3.44 | 4480  |
| D * 21:40 | 2077.2   | 2073.8 | 2060.0 | 653.2               | .6   | 73  | 600  | 1954           | 795  | 574   | 8.7     | 8.7         | 81.0        | 86.8 | .93                 | .93  | 4   | .26                | .89  | 8.6  | 8.7  | 12.3 | 9.8   | 3.47 | 3468  |
| D * 22:00 | 2080.1   | 2077.6 | 2070.0 | 4.6                 | 10.6 | 73  | 900  | 1806           | 761  | 536   | 8.7     | 8.7         | 81.2        | 88.9 | .93                 | .92  | 3   | 1.31               | .89  | 8.6  | 8.7  | 12.3 | 13.6  | 3.80 | 2578  |
| D * 23:09 | 2088.5   | 2086.0 | 2080.0 | 320.4               | 8.4  | 71  | 700  | 2051           | 805  | 524   | 8.7     | 8.7         | 83.3        | 88.9 | .93                 | .93  | 3   | .46                | .89  | 8.6  | 8.7  | 12.3 | 22.0  | 4.42 | 1675  |
| D * 23:09 | 2090.0   | 2086.0 | 2080.0 | 320.4               | 2.0  | 77  | 700  | 2061           | 819  | 524   | 8.7     | 8.7         | 83.3        | 88.9 | .93                 | .93  | 3   | .46                | .89  | 8.6  | 8.7  | 12.3 | 22.0  | 4.43 | 1695  |
| D * 23:10 | 2092.8   | 2089.5 | 2080.0 | 290.5               | .6   | 78  | 700  | 2051           | 820  | 524   | 8.7     | 8.7         | 83.2        | 88.9 | .93                 | .93  | 3   | .35                | .89  | 8.6  | 8.7  | 12.3 | 25.6  | 4.43 | 1463  |
| D * 23:10 | 2096.8   | 2092.0 | 2080.0 | 1252.               | .8   | 77  | 700  | 2061           | 815  | 524   | 8.7     | 8.7         | 83.2        | 89.0 | .93                 | .92  | 3   | .18                | .89  | 8.6  | 8.7  | 12.3 | 28.0  | 4.44 | 1334  |
| D * 23:10 | 2100.2   | 2097.7 | 2080.0 | 1165.               | 1.6  | 77  | 700  | 2056           | 819  | 522   | 8.7     | 8.7         | 83.4        | 88.9 | .93                 | .93  | 3   | .18                | .90  | 8.6  | 8.7  | 12.3 | 33.7  | 4.45 | 1110  |
| D * 23:11 | 2101.8   | 2099.0 | 2080.0 | 126.2               | 2.4  | 77  | 700  | 746            | 794  | 524   | 8.7     | 8.7         | 83.3        | 89.3 | .93                 | .92  | 3   | .54                | .90  | 8.6  | 8.7  | 12.3 | 35.0  | 4.45 | 1070  |
| D * 23:36 | 2104.2   | 2101.1 | 2080.0 | 205.9               | 1.5  | 77  | 600  | 1991           | 790  | 540   | 8.7     | 8.7         | 83.5        | 87.9 | .94                 | .93  | 4   | -.00               | .90  | 8.6  | 8.7  | 12.3 | 37.7  | 4.47 | 994   |
| D * 23:37 | 2114.2   | 2111.7 | 2081.0 | 334.2               | .3   | 75  | 600  | 1991           | 800  | 520   | 8.7     | 8.7         | 83.4        | 87.9 | .94                 | .93  | 4   | .27                | .90  | 8.6  | 8.7  | 12.3 | 47.7  | 4.48 | 787   |
| D * 23:40 | 2120.0   | 2117.5 | 2081.0 | 205.1               | 1.7  | 73  | 600  | 1366           | 798  | 512   | 8.7     | 8.7         | 83.5        | 88.3 | .94                 | .93  | 3   | .43                | .90  | 8.6  | 8.7  | 12.3 | 53.5  | 4.50 | 703   |
| D * 23:56 | 2125.0   | 2121.5 | 2082.0 | 31.8                | .6   | 82  | 700  | 1848           | 761  | 540   | 8.7     | 8.7         | 83.3        | 89.0 | .94                 | .93  | 5   | -.00               | .90  | 8.6  | 8.7  | 12.3 | 57.5  | 4.52 | 655   |
| D * 23:57 | 2130.7   | 2126.9 | 2082.0 | 672.4               | 1.2  | 83  | 700  | 1857           | 775  | 530   | 8.7     | 8.7         | 83.2        | 89.3 | .94                 | .93  | 5   | .00                | .90  | 8.6  | 8.7  | 12.3 | 62.9  | 4.53 | 600   |
| D * 23:57 | 2132.0   | 2129.3 | 2082.0 | 660.4               | .4   | 83  | 700  | 1857           | 775  | 530   | 8.7     | 8.7         | 83.2        | 89.3 | .94                 | .92  | 5   | .00                | .90  | 8.6  | 8.7  | 12.4 | 65.4  | 4.53 | 577   |
| D * 23:57 | 2137.0   | 2134.0 | 2082.0 | 533.6               | 1.0  | 82  | 700  | 1857           | 766  | 526   | 8.7     | 8.7         | 83.2        | 89.4 | .94                 | .93  | 5   | .00                | .90  | 8.6  | 8.7  | 12.4 | 70.0  | 4.54 | 539   |
| D * 23:58 | 2140.0   | 2137.1 | 2082.0 | 1151.               | .8   | 82  | 700  | 1895           | 765  | 522   | 8.7     | 8.7         | 83.2        | 89.6 | .94                 | .92  | 4   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 73.1  | 4.54 | 517   |
| D * 23:58 | 2146.5   | 2144.0 | 2082.0 | 1012.               | .0   | 81  | 700  | 2042           | 795  | 518   | 8.7     | 8.7         | 83.3        | 89.3 | .94                 | .93  | 4   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 80.0  | 4.55 | 472   |
| D * 23:58 | 2151.1   | 2148.6 | 2082.0 | 1209.               | .5   | 81  | 700  | 2028           | 797  | 510   | 8.7     | 8.7         | 83.2        | 89.2 | .94                 | .93  | 4   | .15                | .90  | 8.6  | 8.7  | 12.4 | 84.6  | 4.56 | 447   |
| D * 0:10  | 2153.2   | 2148.6 | 2095.0 | 1209.               | 1.3  | 82  | 700  | 2010           | 770  | 530   | 8.7     | 8.7         | 83.4        | 88.6 | .94                 | .95  | 3   | .15                | .90  | 8.6  | 8.7  | 12.4 | 84.6  | 4.56 | 447   |
| D * 0:10  | 2155.8   | 2153.3 | 2095.0 | 705.3               | .1   | 82  | 700  | 2005           | 800  | 526   | 8.7     | 8.7         | 83.4        | 88.8 | .94                 | .93  | 4   | .00                | .90  | 8.6  | 8.7  | 12.4 | 89.4  | 4.57 | 424   |
| D * 0:11  | 2160.1   | 2157.6 | 2095.0 | 818.1               | .5   | 81  | 700  | 2010           | 799  | 520   | 8.7     | 8.7         | 83.4        | 89.3 | .94                 | .93  | 4   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 93.6  | 4.57 | 405   |
| D * 0:11  | 2161.6   | 2157.6 | 2100.0 | 818.1               | 2.0  | 81  | 700  | 2014           | 795  | 518   | 8.7     | 8.7         | 83.5        | 89.1 | .94                 | .94  | 4   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 93.6  | 4.57 | 405   |
| D * 0:11  | 2165.3   | 2162.8 | 2100.0 | 370.4               | 2.0  | 81  | 700  | 2019           | 800  | 514   | 8.7     | 8.7         | 83.4        | 88.9 | .94                 | .94  | 4   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 98.9  | 4.58 | 383   |
| D * 0:13  | 2167.4   | 2164.9 | 2101.0 | 208.2               | .2   | 75  | 700  | 2014           | 800  | 506   | 8.7     | 8.7         | 83.5        | 88.5 | .94                 | .94  | 4   | .36                | .90  | 8.6  | 8.7  | 12.4 | 101.0 | 4.60 | 376   |
| D * 0:13  | 2170.2   | 2167.7 | 2101.0 | 765.2               | .6   | 75  | 700  | 2010           | 798  | 504   | 8.7     | 8.7         | 83.5        | 88.5 | .94                 | .95  | 4   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 103.7 | 4.60 | 366   |
| D * 0:13  | 2175.4   | 2172.2 | 2101.0 | 682.8               | .2   | 80  | 700  | 2014           | 796  | 502   | 8.7     | 8.7         | 83.5        | 88.9 | .94                 | .94  | 3   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 109.0 | 4.61 | 349   |
| D * 0:14  | 2176.7   | 2172.9 | 2101.0 | 364.6               | .2   | 79  | 700  | 2019           | 800  | 502   | 8.7     | 8.7         | 83.5        | 89.0 | .94                 | .94  | 3   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 109.0 | 4.61 | 349   |
| D * 0:14  | 2179.7   | 2177.2 | 2101.0 | 645.9               | .6   | 76  | 400  | 2033           | 795  | 504   | 8.7     | 8.7         | 83.5        | 89.2 | .94                 | .94  | 3   | .00                | .90  | 8.6  | 8.7  | 12.4 | 113.2 | 4.62 | 336   |
| D * 0:24  | 2183.1   | 2180.6 | 2102.0 | 654.8               | .2   | 79  | 700  | 1968           | 776  | 530   | 8.7     | 8.7         | 83.6        | 89.7 | .94                 | .93  | 3   | .00                | .90  | 8.6  | 8.7  | 12.4 | 116.6 | 4.63 | 327   |
| D * 0:24  | 2185.7   | 2182.8 | 2102.0 | 413.5               | .0   | 77  | 800  | 1959           | 781  | 526   | 8.7     | 8.7         | 83.6        | 89.8 | .94                 | .93  | 3   | .17                | .90  | 8.6  | 8.7  | 12.4 | 118.8 | 4.63 | 320   |
| D * 0:24  | 2192.2   | 2188.9 | 2102.0 | 1024.               | 1.9  | 75  | 700  | 1963           | 787  | 514   | 8.7     | 8.7         | 83.5        | 89.8 | .94                 | .93  | 3   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 124.9 | 4.64 | 305   |
| D * 0:25  | 2195.2   | 2191.6 | 2102.0 | 1041.               | .4   | 82  | 700  | 1968           | 791  | 512   | 8.7     | 8.7         | 83.6        | 89.7 | .94                 | .93  | 3   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 127.6 | 4.64 | 299   |
| D * 0:35  | 2197.9   | 2195.4 | 2120.0 | 130.7               | 5.6  | 71  | 1000 | 1950           | 786  | 500   | 8.7     | 8.7         | 83.4        | 90.4 | .92                 | .93  | 3   | .56                | .90  | 8.6  | 8.7  | 12.4 | 131.4 | 4.82 | 295   |
| D * 0:38  | 2200.1   | 2197.6 | 2120.0 | 10.1                | 6.6  | 74  | 1100 | 1945           | 785  | 506   | 8.7     | 8.7         | 83.5        | 90.6 | .92                 | .93  | 4   | .89                | .90  | 8.6  | 8.7  | 12.4 | 133.6 | 4.86 | 291   |
| D * 0:41  | 2205.3   | 2202.8 | 2123.0 | 1242.               | 3.1  | 79  | 700  | 1954           | 791  | 502   | 8.7     | 8.7         | 83.6        | 89.8 | .92                 | .95  | 45  | .15                | .90  | 8.6  | 8.7  | 12.4 | 138.8 | 4.90 | 282   |
| D * 0:41  | 2207.5   | 2202.8 | 2123.0 | 1242.               | 1.3  | 81  | 700  | 1963           | 788  | 502   | 8.7     | 8.7         | 83.6        | 89.8 | .92                 | .94  | 49  | .15                | .90  | 8.6  | 8.7  | 12.4 | 138.8 | 4.91 | 282   |
| D * 0:41  | 2209.2   | 2206.7 | 2123.0 | 159.3               | 1.0  | 79  | 900  | 1959           | 786  | 500   | 8.7     | 8.7         | 83.6        | 89.5 | .93                 | .95  | 54  | .41                | .90  | 8.6  | 8.7  | 12.4 | 142.7 | 4.91 | 274   |
| D * 1:08  | 2212.5   | 2210.0 | 2195.0 | 22.2                | 5.0  | 78  | 1600 | 2000           | 795  | 490   | 8.7     | 8.7         | 84.1        | 91.0 | .93                 | .94  | 4   | .86                | .90  | 8.6  | 8.7  | 12.4 | 146.0 | 5.12 | 273   |
| D * 1:09  | 2216.6   | 2213.1 | 2195.0 | 1597.               | .0   | 41  | 800  | 2024           | 795  | 492   | 8.7     | 8.7         | 84.1        | 90.9 | .94                 | .94  | 4   | .12                | .90  | 8.6  | 8.7  | 12.4 | 149.1 | 5.12 | 267   |
| D * 1:09  | 2219.7   | 2216.9 | 2195.0 | 1364.               | .0   | 64  | 700  | 2005           | 795  | 492   | 8.7     | 8.7         | 84.2        | 91.0 | .94                 | .94  | 4   | .02                | .90  | 8.6  | 8.7  | 12.4 | 152.9 | 5.13 | 261   |
| D * 1:09  | 2222.3   | 2218.2 | 2195.0 | 642.1               | 3.1  | 73  | 700  | 2014           | 795  | 492   | 8.7     | 8.7         | 84.2        | 91.0 | .94                 | .93  | 4   | -.00               | .90  | 8.6  | 8.7  | 12.4 | 154.2 | 5.13 | 259   |
| D * 1:09  | 2224.5   | 2222.0 | 2195.0 | 811.2               | .4   | 75  | 700  | 2010           | 799  | 490   | 8.7     | 8.7         | 84.2        | 91.2 | .94                 | .93  | 4   | .16                | .90  | 8.6  | 8.7  | 12.4 | 150.1 | 5.13 | 253   |
| D * 1:10  | 2227.5   | 2223.2 | 2195.0 | 651.2               | .4   | 77  | 600  | 2019           | 800  | 490   | 8.7     | 8.7         | 84.2        | 91.2 | .94                 | .93  | 4   | .00                | .90  | 8.6  | 8.7  | 12.4 | 159.2 | 5.13 | 251   |
| D * 1:10  | 2230.6   | 2228.1 | 2195.0 | 834.9               | .4   | 78  | 700  | 2014           | 795  | 490   | 8.7     | 8.7         | 84.2        | 91.4 | .94                 | .93  | 4   | -.00               | .91  | 8.6  | 8.7  | 12.4 | 164.2 | 5.14 | 243   |

VALUES CORRECTED  
WOB 0.2 klbs