

\* GEOSERVICES  
\* ON-LINE TDC

CAPC SORELL # 1

DATE : 2/ 8/82

466465

\* BIT # 10 SMITH F2 BIT DIAMETER : 12.25 inch NOZZ 16/16/16

MUD RHEOLOGICAL PARAMETERS : PV = 11 YP = 9 GEL = 2

| TIME      | DEPTHS   |        |        | DRILLING PARAMETERS |      |     |      | MUD PARAMETERS |      |       |         | GAS         |             |      | OVERPRESSURE SURVEY |      |     | ACCUMULATED ON BIT |      |      |      |      |       |       |     |
|-----------|----------|--------|--------|---------------------|------|-----|------|----------------|------|-------|---------|-------------|-------------|------|---------------------|------|-----|--------------------|------|------|------|------|-------|-------|-----|
|           | MEASURED | VERTCL | LAGGED | ROP                 | WOB  | RPM | TORQ | PRESS          | FLOW | PIT   | DENSITY | TEMPERATURE | RESISTIVITY | GAS  | DCS                 | NORM | PF  | ECD                | FRAC | FEET | TIME | COST |       |       |     |
| Hr:mn     | feet     | feet   | feet   | ft/h                | kibs | rpm | ftlb | psi            | gpm  | bbbls | ppg     | degF        | ohm         | unit | ppg                 | ppg  | ppg | feet               | Dhr  | \$   |      |      |       |       |     |
| D * 9: 2  | 6211.3   | 6211.9 | 6146.0 | 15.1                | 37.9 | 82  | 1600 | 1732           | 587  | 564   | 9.3     | 9.4         | 74.9        | 88.8 | .70                 | .70  | 7   | 1.50               | 1.34 | 9.7  | 9.3  | 15.3 | 630.7 | 25.36 | 195 |
| D * 9: 6  | 6212.1   | 6212.6 | 6196.0 | 12.5                | 34.4 | 79  | 1800 | 1727           | 592  | 568   | 9.3     | 9.4         | 74.9        | 89.3 | .71                 | .70  | 7   | 1.53               | 1.34 | 9.7  | 9.3  | 15.3 | 631.5 | 25.42 | 195 |
| D * 9: 9  | 6213.0   | 6213.6 | 6197.0 | 19.9                | 38.1 | 80  | 1800 | 1727           | 587  | 568   | 9.3     | 9.4         | 74.9        | 89.2 | .70                 | .70  | 7   | 1.41               | 1.34 | 9.7  | 9.3  | 15.3 | 632.5 | 25.47 | 195 |
| D * 9:14  | 6214.1   | 6214.6 | 6199.0 | 11.5                | 36.1 | 82  | 1800 | 1732           | 584  | 566   | 9.3     | 9.4         | 74.9        | 88.9 | .70                 | .69  | 7   | 1.56               | 1.34 | 9.7  | 9.3  | 15.3 | 633.5 | 25.55 | 195 |
| D * 9:17  | 6215.1   | 6214.6 | 6199.0 | 11.5                | 36.4 | 81  | 1700 | 1741           | 592  | 566   | 9.3     | 9.4         | 75.0        | 89.1 | .70                 | .70  | 7   | 1.56               | 1.34 | 9.7  | 9.3  | 15.3 | 633.5 | 25.60 | 195 |
| D * 9:21  | 6216.0   | 6216.6 | 6200.0 | 17.0                | 34.5 | 82  | 1700 | 1750           | 587  | 568   | 9.3     | 9.4         | 74.9        | 89.0 | .70                 | .69  | 7   | 1.46               | 1.34 | 9.7  | 9.4  | 15.3 | 635.4 | 25.66 | 195 |
| D * 9:25  | 6217.3   | 6216.6 | 6201.0 | 17.0                | 33.0 | 81  | 1600 | 1736           | 592  | 544   | 9.3     | 9.4         | 74.9        | 88.8 | .70                 | .70  | 7   | 1.46               | 1.34 | 9.7  | 9.3  | 15.3 | 635.4 | 25.73 | 195 |
| D * 9:41  | 6219.5   | 6218.6 | 6204.0 | 17.1                | -2.3 | 76  | 1800 | 1795           | 596  | 560   | 9.3     | 9.4         | 74.9        | 89.0 | .70                 | .70  | 7   | 1.32               | 1.34 | 9.7  | 9.4  | 15.3 | 637.5 | 25.70 | 195 |
| D * 9:42  | 6220.2   | 6220.2 | 6204.0 | 823.3               | 28.0 | 75  | 1600 | 1799           | 599  | 560   | 9.3     | 9.4         | 74.9        | 89.5 | .71                 | .69  | 7   | .24                | 1.34 | 9.7  | 9.4  | 15.3 | 639.0 | 25.79 | 195 |
| D * 9:46  | 6221.5   | 6220.7 | 6205.0 | 105.6               | 32.9 | 76  | 1600 | 1813           | 595  | 548   | 9.2     | 9.4         | 74.9        | 89.7 | .71                 | .69  | 7   | .86                | 1.34 | 9.7  | 9.3  | 15.3 | 639.6 | 25.86 | 195 |
| D * 9:50  | 6222.0   | 6222.6 | 6206.0 | 9.1                 | 37.3 | 78  | 1900 | 1700           | 584  | 546   | 9.2     | 9.4         | 74.8        | 89.8 | .71                 | .69  | 7   | 1.64               | 1.34 | 9.7  | 9.3  | 15.3 | 641.4 | 25.92 | 195 |
| D * 9:54  | 6223.2   | 6223.8 | 6207.0 | 17.0                | 41.0 | 80  | 2000 | 1700           | 587  | 546   | 9.2     | 9.4         | 74.9        | 90.0 | .70                 | .69  | 7   | 1.45               | 1.34 | 9.7  | 9.3  | 15.3 | 642.6 | 25.99 | 195 |
| D * 9:58  | 6224.2   | 6223.8 | 6208.0 | 17.0                | 35.8 | 80  | 1600 | 1785           | 587  | 546   | 9.3     | 9.4         | 75.0        | 89.9 | .70                 | .69  | 7   | 1.45               | 1.34 | 9.7  | 9.3  | 15.3 | 642.6 | 26.06 | 195 |
| D * 10: 1 | 6225.4   | 6226.0 | 6209.0 | 22.3                | 34.7 | 81  | 1700 | 1785           | 584  | 548   | 9.2     | 9.4         | 75.1        | 89.7 | .70                 | .70  | 7   | 1.38               | 1.34 | 9.7  | 9.3  | 15.3 | 644.8 | 26.12 | 195 |
| D * 10: 5 | 6226.0   | 6226.0 | 6210.0 | 22.3                | 34.5 | 81  | 1700 | 1714           | 587  | 550   | 9.2     | 9.4         | 75.1        | 89.9 | .70                 | .70  | 7   | 1.38               | 1.34 | 9.7  | 9.3  | 15.3 | 644.8 | 26.18 | 195 |
| D * 10:10 | 6227.0   | 6226.6 | 6211.0 | 18.0                | 37.6 | 79  | 1700 | 1723           | 587  | 550   | 9.3     | 9.4         | 75.2        | 89.9 | .70                 | .69  | 7   | 1.61               | 1.34 | 9.7  | 9.3  | 15.3 | 645.5 | 26.25 | 195 |
| D * 10:15 | 6228.1   | 6228.7 | 6212.0 | 12.7                | 35.1 | 81  | 1800 | 1714           | 588  | 556   | 9.3     | 9.5         | 75.3        | 89.9 | .70                 | .69  | 7   | 1.53               | 1.34 | 9.7  | 9.3  | 15.3 | 647.5 | 26.34 | 195 |
| D * 10:19 | 6229.1   | 6229.6 | 6213.0 | 12.8                | 35.1 | 78  | 1800 | 1718           | 587  | 560   | 9.2     | 9.5         | 75.4        | 89.5 | .70                 | .70  | 7   | 1.51               | 1.34 | 9.7  | 9.3  | 15.3 | 648.5 | 26.41 | 195 |
| D * 10:24 | 6230.3   | 6229.6 | 6214.0 | 12.8                | 33.4 | 82  | 1700 | 1727           | 588  | 564   | 9.3     | 6.0         | 75.4        | 88.1 | .70                 | .69  | 7   | 1.51               | 1.34 | 9.7  | 9.4  | 15.3 | 648.5 | 26.49 | 195 |
| D * 10:28 | 6231.0   | 6230.9 | 6216.0 | 16.5                | 32.9 | 81  | 1800 | 1723           | 584  | 560   | 9.3     | 6.0         | 75.5        | 89.0 | .70                 | .69  | 7   | 1.45               | 1.34 | 9.7  | 9.3  | 15.3 | 649.7 | 26.55 | 195 |
| D * 10:31 | 6232.1   | 6232.6 | 6217.0 | 18.9                | 31.1 | 79  | 1600 | 1723           | 588  | 550   | 9.2     | 6.0         | 75.6        | 89.9 | .70                 | .70  | 7   | 1.40               | 1.34 | 9.7  | 9.3  | 15.3 | 651.5 | 26.61 | 196 |
| D * 10:36 | 6233.2   | 6233.7 | 6217.0 | 14.3                | 35.3 | 80  | 1900 | 1718           | 589  | 546   | 9.2     | 9.3         | 75.6        | 89.3 | .70                 | .70  | 7   | 1.50               | 1.34 | 9.7  | 9.3  | 15.3 | 652.6 | 26.68 | 196 |
| D * 10:39 | 6234.1   | 6234.6 | 6217.0 | 15.4                | 38.6 | 82  | 1800 | 1732           | 592  | 546   | 9.3     | 9.3         | 75.7        | 89.1 | .70                 | .69  | 7   | 1.50               | 1.34 | 9.7  | 9.3  | 15.3 | 653.5 | 26.74 | 196 |
| D * 10:42 | 6235.1   | 6235.7 | 6219.0 | 22.3                | 36.5 | 82  | 1800 | 1732           | 586  | 550   | 9.3     | 9.3         | 75.7        | 89.6 | .71                 | .70  | 7   | 1.39               | 1.34 | 9.7  | 9.3  | 15.3 | 654.5 | 26.70 | 196 |
| D * 10:46 | 6236.2   | 6236.8 | 6221.0 | 17.7                | 35.5 | 82  | 1700 | 1736           | 588  | 546   | 9.2     | 9.3         | 75.7        | 89.9 | .71                 | .69  | 7   | 1.48               | 1.34 | 9.7  | 9.3  | 15.3 | 655.6 | 26.84 | 196 |
| D * 10:50 | 6237.1   | 6237.7 | 6221.0 | 14.5                | 37.2 | 82  | 1900 | 1736           | 584  | 540   | 9.3     | 9.3         | 75.8        | 89.6 | .70                 | .70  | 7   | 1.53               | 1.34 | 9.7  | 9.3  | 15.3 | 656.5 | 26.90 | 196 |
| D * 10:54 | 6238.0   | 6237.7 | 6222.0 | 14.5                | 38.0 | 81  | 1900 | 1732           | 587  | 546   | 9.3     | 9.3         | 75.8        | 88.9 | .70                 | .69  | 7   | 1.53               | 1.34 | 9.7  | 9.3  | 15.3 | 656.5 | 26.97 | 196 |
| D * 10:57 | 6239.0   | 6239.6 | 6223.0 | 16.5                | 41.0 | 83  | 1700 | 1736           | 589  | 542   | 9.3     | 9.3         | 75.8        | 89.5 | .71                 | .69  | 7   | 1.50               | 1.34 | 9.7  | 9.4  | 15.3 | 658.4 | 27.03 | 196 |
| D * 11: 2 | 6240.0   | 6240.6 | 6225.0 | 13.5                | 38.8 | 82  | 1600 | 1723           | 584  | 548   | 9.2     | 9.3         | 75.9        | 89.1 | .71                 | .70  | 7   | 1.56               | 1.34 | 9.7  | 9.3  | 15.3 | 659.4 | 27.10 | 196 |
| D * 11: 5 | 6241.1   | 6240.6 | 6225.0 | 13.5                | 37.0 | 84  | 1600 | 1727           | 587  | 554   | 9.3     | 9.3         | 75.9        | 89.1 | .70                 | .69  | 7   | 1.56               | 1.34 | 9.7  | 9.3  | 15.3 | 659.4 | 27.16 | 196 |
| D * 11:11 | 6242.2   | 6241.7 | 6227.0 | 18.4                | 36.6 | 82  | 1800 | 1732           | 587  | 544   | 9.3     | 9.3         | 75.9        | 89.7 | .71                 | .70  | 7   | 1.46               | 1.34 | 9.7  | 9.3  | 15.3 | 660.5 | 27.26 | 196 |
| D * 11:16 | 6243.1   | 6243.7 | 6227.0 | 13.5                | 38.8 | 82  | 1700 | 1727           | 584  | 548   | 9.3     | 9.3         | 76.0        | 90.3 | .71                 | .69  | 7   | 1.54               | 1.34 | 9.7  | 9.4  | 15.3 | 662.6 | 27.34 | 196 |
| D * 11:19 | 6244.1   | 6244.7 | 6228.0 | 16.3                | 39.4 | 81  | 2000 | 1727           | 587  | 536   | 9.3     | 9.3         | 75.9        | 89.8 | .71                 | .70  | 7   | 1.50               | 1.34 | 9.7  | 9.3  | 15.3 | 663.5 | 27.39 | 196 |
| D * 11:21 | 6245.0   | 6245.6 | 6229.0 | 30.7                | 39.2 | 84  | 1800 | 1732           | 584  | 538   | 9.3     | 9.3         | 76.0        | 89.7 | .70                 | .70  | 7   | 1.32               | 1.34 | 9.7  | 9.3  | 15.3 | 664.4 | 27.42 | 196 |
| D * 11:26 | 6246.0   | 6245.6 | 6230.0 | 30.7                | 33.8 | 82  | 1600 | 1732           | 591  | 540   | 9.3     | 9.4         | 76.0        | 89.8 | .70                 | .70  | 7   | 1.32               | 1.34 | 9.7  | 9.4  | 15.3 | 664.4 | 27.51 | 196 |
| D * 11:28 | 6247.2   | 6246.6 | 6230.0 | 11.5                | 34.5 | 82  | 1700 | 1727           | 590  | 546   | 9.3     | 9.4         | 76.0        | 89.8 | .71                 | .70  | 7   | 1.57               | 1.34 | 9.7  | 9.3  | 15.3 | 665.4 | 27.54 | 196 |
| D * 11:37 | 6248.9   | 6249.4 | 6232.0 | 33.2                | -1.6 | 63  | 1100 | 1736           | 587  | 560   | 9.3     | 9.4         | 75.9        | 89.4 | .71                 | .71  | 7   | 1.22               | 1.34 | 9.6  | 9.3  | 15.3 | 668.3 | 27.59 | 196 |
| D * 11:38 | 6251.2   | 6251.8 | 6232.0 | 302.2               | 29.4 | 78  | 1600 | 1723           | 587  | 560   | 9.3     | 9.4         | 75.9        | 89.7 | .71                 | .70  | 7   | .61                | 1.34 | 9.7  | 9.4  | 15.3 | 670.6 | 27.60 | 195 |
| D * 11:41 | 6252.1   | 6252.7 | 6233.0 | 14.3                | 36.5 | 78  | 1700 | 1745           | 588  | 542   | 9.3     | 9.4         | 75.9        | 89.5 | .71                 | .70  | 7   | 1.51               | 1.34 | 9.7  | 9.3  | 15.3 | 671.5 | 27.65 | 195 |
| D * 11:47 | 6253.2   | 6253.7 | 6235.0 | 11.7                | 38.5 | 77  | 1600 | 1758           | 592  | 538   | 9.3     | 9.4         | 75.7        | 89.9 | .71                 | .70  | 7   | 1.56               | 1.34 | 9.7  | 9.3  | 15.3 | 672.6 | 27.74 | 196 |
| D * 11:50 | 6254.0   | 6253.7 | 6236.0 | 11.7                | 38.0 | 78  | 1600 | 1750           | 582  | 542   | 9.2     | 9.4         | 75.8        | 90.2 | .71                 | .70  | 7   | 1.56               | 1.34 | 9.7  | 9.3  | 15.3 | 672.6 | 27.81 | 196 |
| D * 11:54 | 6255.3   | 6255.9 | 6237.0 | 21.0                | 36.6 | 79  | 1700 | 1750           | 588  | 542   | 9.3     | 9.4         | 75.8        | 90.4 | .71                 | .69  | 7   | 1.39               | 1.34 | 9.7  | 9.4  | 15.3 | 674.7 | 27.87 | 196 |
| D * 12: 1 | 6256.9   | 6257.4 | 6239.0 | 13.7                | 34.1 | 79  | 1500 | 1759           | 587  | 538   | 9.3     | 9.4         | 75.9        | 90.6 | .71                 | .69  | 7   | 1.51               | 1.34 | 9.7  | 9.4  | 15.3 | 676.3 | 27.98 | 196 |
| D * 12: 3 | 6257.2   | 6257.8 | 6239.0 | 14.8                | 34.1 | 78  | 1900 | 1758           | 583  | 538   | 9.2     | 9.4         | 75.9        | 90.5 | .70                 | .70  | 7   | 1.49               | 1.34 | 9.7  | 9.3  | 15.3 | 676.6 | 28.00 | 196 |
| D * 12: 4 | 6258.1   | 6258.6 | 6239.0 | 35.2                | 39.1 | 78  | 1700 | 1745           | 587  | 540   | 9.3     | 9.5         | 75.8        | 90.4 | .71                 | .69  | 7   | 1.27               | 1.34 | 9.7  | 9.3  | 15.3 | 677.5 | 28.02 | 196 |
| D * 12:10 | 6259.2   | 6259.7 | 6241.0 | 10.2                | 38.6 | 78  | 2000 | 1754           | 592  | 536   | 9.3     | 9.4         | 75.9        | 90.7 | .70                 | .70  | 7   | 1.61               | 1.34 | 9.7  | 9.3  | 15.3 | 678.6 | 28.13 | 196 |
| D * 12:13 | 6260.1   | 6260.6 | 6241.0 | 17.2                | 36.0 | 78  | 1600 | 1754           | 587  | 538   | 9.3     | 9.4         | 76.0        | 90.3 | .70                 | .70  | 7   | 1.47               | 1.34 | 9.7  | 9.4  | 15.3 | 679.5 | 28.18 | 196 |
| D * 12:17 | 6261.1   | 6261.7 | 6242.0 | 16.5                | 37.7 | 78  | 1800 | 1754           | 589  | 546   | 9.3     | 9.4         | 76.1        | 90.2 | .71                 | .70  | 7   | 1.46               | 1.34 | 9.7  | 9.3  | 15.3 | 680.5 | 28.25 | 196 |
| D * 12:22 | 6262.2   | 6262.7 | 6243.0 | 13.6                | 33.3 | 80  | 1600 | 1741           | 587  | 546   | 9.3     | 9.3         | 76.2        | 90.7 | .70                 | .69  | 7   | 1.50               | 1.34 | 9.7  | 9.3  | 15.3 | 681.6 | 28.33 | 196 |