

\* GEOSERVICES  
\* ON-LINE TDC

CAPE SORELL # 1

DATE: 14/ 7/82

\* BIT # 8 SMITH F3J BIT DIAMETER: 12.25 inch HQZZ 13/13/13

MUD RHEOLOGICAL PARAMETERS: PV = 1 YP = 3 GEL = 1

| * TIME    | * MEASURED | * DEPTHS |        |        | * DRILLING PARAMETERS |       |       |       | * MUD PARAMETERS |         |        |       | * GAS     |               |               |       | * OVERPRESSURE SURVEY |        |      |       | * ACCUMULATED ON BIT |        |         |        |    |
|-----------|------------|----------|--------|--------|-----------------------|-------|-------|-------|------------------|---------|--------|-------|-----------|---------------|---------------|-------|-----------------------|--------|------|-------|----------------------|--------|---------|--------|----|
|           |            | * Hrs:mn | * feet | * feet | * feet                | * ROP | * WOB | * RPM | * TORQ           | * PRESS | * FLOW | * PIT | * DENSITY | * TEMPERATURE | * RESISTIVITY | * GAS | * DCS                 | * NORM | * PF | * ECD | * FRAC               | * FEET | * TIME  | * COST |    |
|           |            |          |        |        |                       |       |       |       |                  |         |        |       |           |               |               |       |                       |        |      |       |                      |        |         |        |    |
| D * 20:55 | * 3129.3   | 3129.0   | 1881.9 | * 60.5 | * 34.3                | 97    | 1300  | 1359  | 422              | * 444   | * 8.6  | 8.6   | 57.2      | 64.0          | .21           | .22   | * 1                   | * 1.22 | .98  | * 8.6 | 8.6                  | 13.6   | * 1011. | 14.42  | 79 |
| D * 20:57 | * 3130.2   | 3130.1   | 3088.0 | * 58.1 | * 32.7                | 99    | 1200  | 1359  | 422              | * 442   | * 8.6  | 8.6   | 57.3      | 63.9          | .21           | .22   | * 1                   | * 1.24 | .98  | * 8.6 | 8.6                  | 13.6   | * 1012. | 14.44  | 79 |
| D * 20:58 | * 3131.0   | 3130.1   | 3090.0 | * 58.1 | * 32.5                | 100   | 1300  | 1359  | 427              | * 440   | * 8.6  | 8.6   | 57.3      | 64.0          | .21           | .22   | * 1                   | * 1.24 | .98  | * 8.6 | 8.6                  | 13.6   | * 1012. | 14.45  | 79 |
| D * 20:59 | * 3132.1   | 3132.1   | 3090.0 | * 51.8 | * 33.1                | 97    | 1300  | 1359  | 427              | * 436   | * 8.6  | 8.6   | 57.2      | 64.1          | .21           | .22   | * 1                   | * 1.25 | .98  | * 8.6 | 8.6                  | 13.6   | * 1014. | 14.47  | 79 |
| D * 21: 0 | * 3133.0   | 3132.1   | 3091.0 | * 51.8 | * 33.9                | 97    | 1300  | 1359  | 422              | * 432   | * 8.6  | 8.6   | 57.3      | 64.2          | .21           | .22   | * 1                   | * 1.25 | .98  | * 8.6 | 8.6                  | 13.6   | * 1014. | 14.49  | 79 |
| D * 21: 1 | * 3134.3   | 3134.1   | 3092.0 | * 46.9 | * 35.1                | 100   | 1200  | 1359  | 427              | * 430   | * 8.6  | 8.6   | 57.3      | 64.2          | .21           | .22   | * 1                   | * 1.31 | .98  | * 8.6 | 8.6                  | 13.6   | * 1016. | 14.51  | 79 |
| D * 21: 2 | * 3135.0   | 3135.0   | 3092.0 | * 42.9 | * 33.9                | 99    | 1200  | 1364  | 427              | * 428   | * 8.6  | 8.6   | 57.2      | 64.3          | .21           | .22   | * 1                   | * 1.33 | .98  | * 8.6 | 8.6                  | 13.6   | * 1017. | 14.53  | 79 |
| D * 21: 4 | * 3136.2   | 3136.1   | 3092.0 | * 46.3 | * 35.1                | 98    | 1200  | 1364  | 427              | * 424   | * 8.6  | 8.6   | 57.2      | 64.4          | .21           | .22   | * 1                   | * 1.31 | .98  | * 8.6 | 8.6                  | 13.6   | * 1018. | 14.56  | 79 |
| D * 21: 5 | * 3137.1   | 3137.1   | 3092.0 | * 45.7 | * 34.1                | 101   | 1200  | 1364  | 427              | * 412   | * 8.6  | 8.6   | 57.2      | 64.5          | .21           | .22   | * 1                   | * 1.31 | .98  | * 8.6 | 8.6                  | 13.6   | * 1019. | 14.58  | 79 |
| D * 21: 6 | * 3138.0   | 3137.1   | 3092.0 | * 45.7 | * 32.5                | 99    | 1200  | 1364  | 427              | * 412   | * 8.6  | 8.6   | 57.2      | 64.4          | .21           | .22   | * 1                   | * 1.31 | .98  | * 8.6 | 8.6                  | 13.6   | * 1019. | 14.60  | 79 |
| D * 21: 8 | * 3139.0   | 3139.0   | 3093.0 | * 28.1 | * 34.9                | 99    | 1300  | 1364  | 427              | * 414   | * 8.6  | 8.6   | 57.2      | 64.2          | .21           | .23   | * 1                   | * 1.46 | .98  | * 8.6 | 8.6                  | 13.6   | * 1021. | 14.63  | 79 |
| D * 21:10 | * 3140.0   | 3139.0   | 3095.0 | * 28.1 | * 35.1                | 100   | 1200  | 1364  | 427              | * 426   | * 8.6  | 8.6   | 57.2      | 64.2          | .21           | .23   | * 1                   | * 1.46 | .98  | * 8.6 | 8.6                  | 13.6   | * 1021. | 14.65  | 79 |
| D * 21:11 | * 3141.1   | 3141.0   | 3095.0 | * 42.5 | * 33.9                | 99    | 1200  | 1364  | 427              | * 428   | * 8.6  | 8.6   | 57.2      | 64.1          | .21           | .23   | * 1                   | * 1.33 | .98  | * 8.6 | 8.6                  | 13.6   | * 1023. | 14.68  | 79 |
| D * 21:12 | * 3142.0   | 3141.0   | 3096.0 | * 42.5 | * 33.3                | 98    | 1200  | 1359  | 427              | * 428   | * 8.6  | 8.6   | 57.2      | 64.1          | .21           | .23   | * 1                   | * 1.33 | .98  | * 8.6 | 8.6                  | 13.6   | * 1023. | 14.69  | 79 |
| D * 21:14 | * 3143.0   | 3142.0   | 3098.0 | * 56.2 | * 34.7                | 100   | 1300  | 1359  | 427              | * 430   | * 8.6  | 8.6   | 57.2      | 64.2          | .21           | .23   | * 1                   | * 1.25 | .98  | * 8.6 | 8.6                  | 13.6   | * 1024. | 14.72  | 79 |
| D * 21:15 | * 3144.3   | 3144.2   | 3100.0 | * 48.1 | * 32.7                | 99    | 1200  | 1359  | 426              | * 432   | * 8.6  | 8.6   | 57.2      | 64.2          | .21           | .23   | * 1                   | * 1.29 | .98  | * 8.6 | 8.6                  | 13.6   | * 1026. | 14.74  | 79 |
| D * 21:16 | * 3145.1   | 3145.1   | 3100.0 | * 38.0 | * 34.7                | 101   | 1200  | 1359  | 427              | * 432   | * 8.6  | 8.6   | 57.2      | 64.2          | .21           | .23   | * 1                   | * 1.36 | .98  | * 8.6 | 8.6                  | 13.6   | * 1027. | 14.76  | 79 |
| D * 21:18 | * 3146.3   | 3146.2   | 3102.0 | * 51.1 | * 34.3                | 100   | 1200  | 1359  | 423              | * 434   | * 8.6  | 8.6   | 57.2      | 64.2          | .21           | .23   | * 1                   | * 1.27 | .98  | * 8.6 | 8.6                  | 13.6   | * 1028. | 14.79  | 79 |
| D * 21:19 | * 3147.0   | 3146.2   | 3103.0 | * 51.1 | * 32.5                | 99    | 1200  | 1359  | 427              | * 430   | * 8.6  | 8.6   | 57.1      | 64.2          | .21           | .23   | * 1                   | * 1.27 | .98  | * 8.6 | 8.6                  | 13.6   | * 1028. | 14.80  | 79 |
| D * 21:20 | * 3148.0   | 3147.1   | 3103.0 | * 35.5 | * 34.1                | 101   | 1300  | 1359  | 426              | * 436   | * 8.6  | 8.6   | 57.1      | 64.1          | .21           | .23   | * 1                   | * 1.37 | .98  | * 8.6 | 8.6                  | 13.6   | * 1029. | 14.82  | 79 |
| D * 21:22 | * 3149.0   | 3149.0   | 3105.0 | * 37.6 | * 31.0                | 100   | 1200  | 1359  | 427              | * 438   | * 8.6  | 8.6   | 57.0      | 64.0          | .21           | .23   | * 1                   | * 1.36 | .98  | * 8.6 | 8.6                  | 13.6   | * 1031. | 14.85  | 79 |
| D * 21:23 | * 3150.0   | 3149.0   | 3106.0 | * 37.6 | * 34.9                | 101   | 1200  | 1359  | 426              | * 440   | * 8.6  | 8.6   | 57.0      | 64.0          | .21           | .23   | * 1                   | * 1.36 | .98  | * 8.6 | 8.6                  | 13.6   | * 1031. | 14.88  | 79 |
| D * 21:25 | * 3151.1   | 3151.1   | 3108.0 | * 44.3 | * 34.5                | 99    | 1300  | 1359  | 427              | * 440   | * 8.6  | 8.6   | 57.0      | 64.0          | .21           | .23   | * 1                   | * 1.33 | .98  | * 8.6 | 8.6                  | 13.6   | * 1033. | 14.90  | 79 |
| D * 21:27 | * 3152.0   | 3152.0   | 3109.0 | * 30.9 | * 33.9                | 100   | 1200  | 1354  | 427              | * 442   | * 8.6  | 8.6   | 56.9      | 64.0          | .21           | .24   | * 1                   | * 1.43 | .98  | * 8.6 | 8.6                  | 13.6   | * 1034. | 14.93  | 79 |
| D * 21:28 | * 3153.0   | 3153.0   | 3111.0 | * 43.4 | * 36.3                | 100   | 1200  | 1354  | 427              | * 444   | * 8.6  | 8.6   | 56.9      | 64.1          | .21           | .25   | * 1                   | * 1.33 | .98  | * 8.6 | 8.6                  | 13.6   | * 1035. | 14.96  | 79 |
| D * 21:30 | * 3154.0   | 3154.0   | 3112.0 | * 42.4 | * 34.9                | 98    | 1300  | 1340  | 427              | * 446   | * 8.6  | 8.6   | 56.9      | 64.2          | .21           | .28   | * 1                   | * 1.33 | .98  | * 8.6 | 8.6                  | 13.6   | * 1036. | 14.98  | 79 |
| D * 21:37 | * 3155.2   | 3155.2   | 3115.0 | * 81.2 | * 33.0                | 100   | 1300  | 1354  | 422              | * 456   | * 8.6  | 8.6   | 56.7      | 64.2          | .21           | .28   | * 1                   | * 1.01 | .98  | * 8.6 | 8.6                  | 13.6   | * 1037. | 14.99  | 79 |
| D * 21:37 | * 3156.0   | 3156.0   | 3117.0 | * 65.0 | * 36.2                | 103   | 1300  | 1354  | 427              | * 452   | * 8.6  | 8.6   | 56.7      | 64.2          | .21           | .26   | * 1                   | * 1.22 | .98  | * 8.6 | 8.6                  | 13.6   | * 1038. | 15.00  | 79 |
| D * 21:39 | * 3157.0   | 3156.0   | 3119.0 | * 65.0 | * 34.0                | 99    | 1300  | 1354  | 427              | * 446   | * 8.6  | 8.6   | 56.7      | 63.0          | .21           | .24   | * 1                   | * 1.22 | .98  | * 8.6 | 8.6                  | 13.6   | * 1038. | 15.03  | 79 |
| D * 21:41 | * 3158.1   | 3158.0   | 3119.0 | * 43.2 | * 36.2                | 99    | 1300  | 1354  | 427              | * 442   | * 8.6  | 8.6   | 56.6      | 63.6          | .21           | .24   | * 3                   | * 1.34 | .98  | * 8.6 | 8.6                  | 13.6   | * 1040. | 15.06  | 79 |
| D * 21:42 | * 3159.1   | 3158.0   | 3121.0 | * 43.2 | * 36.6                | 99    | 1400  | 1354  | 427              | * 442   | * 8.6  | 8.6   | 56.6      | 63.7          | .21           | .23   | * 3                   | * 1.34 | .98  | * 8.6 | 8.6                  | 13.6   | * 1040. | 15.08  | 79 |
| D * 21:44 | * 3160.0   | 3159.1   | 3122.0 | * 39.6 | * 35.0                | 101   | 1300  | 1354  | 423              | * 444   | * 8.6  | 8.6   | 56.6      | 63.0          | .21           | .22   | * 1                   | * 1.37 | .98  | * 8.6 | 8.6                  | 13.6   | * 1041. | 15.11  | 79 |
| D * 21:45 | * 3161.0   | 3160.2   | 3122.0 | * 36.2 | * 35.6                | 100   | 1300  | 1359  | 432              | * 444   | * 8.6  | 8.6   | 56.6      | 63.0          | .21           | .22   | * 1                   | * 1.39 | .98  | * 8.6 | 8.6                  | 13.6   | * 1042. | 15.12  | 79 |
| D * 21:46 | * 3162.3   | 3162.1   | 3122.0 | * 61.5 | * 35.4                | 99    | 1300  | 1359  | 422              | * 446   | * 8.6  | 8.6   | 56.6      | 64.0          | .21           | .22   | * 1                   | * 1.24 | .98  | * 8.6 | 8.6                  | 13.6   | * 1044. | 15.14  | 79 |
| D * 21:47 | * 3163.0   | 3163.0   | 3122.0 | * 53.1 | * 34.2                | 102   | 1300  | 1359  | 427              | * 440   | * 8.6  | 8.6   | 56.6      | 64.1          | .21           | .22   | * 3                   | * 1.27 | .98  | * 8.6 | 8.6                  | 13.6   | * 1045. | 15.16  | 79 |
| D * 21:48 | * 3164.3   | 3164.0   | 3125.0 | * 52.5 | * 34.4                | 100   | 1200  | 1359  | 426              | * 454   | * 8.6  | 8.6   | 56.6      | 64.2          | .21           | .22   | * 1                   | * 1.28 | .98  | * 8.6 | 8.6                  | 13.6   | * 1046. | 15.18  | 79 |
| D * 21:49 | * 3165.1   | 3165.0   | 3125.0 | * 59.7 | * 35.0                | 100   | 1300  | 1359  | 427              | * 454   | * 8.6  | 8.6   | 56.6      | 64.2          | .21           | .22   | * 3                   | * 1.23 | .98  | * 8.6 | 8.6                  | 13.6   | * 1047. | 15.19  | 79 |
| D * 21:51 | * 3166.2   | 3166.1   | 3128.0 | * 44.2 | * 35.0                | 100   | 1300  | 1359  | 427              | * 454   | * 8.6  | 8.6   | 56.5      | 64.2          | .21           | .22   | * 3                   | * 1.33 | .98  | * 8.6 | 8.6                  | 13.6   | * 1048. | 15.22  | 79 |
| D * 21:52 | * 3167.0   | 3166.1   | 3130.0 | * 44.2 | * 36.2                | 101   | 1300  | 1359  | 427              | * 460   | * 8.6  | 8.6   | 56.5      | 64.2          | .21           | .22   | * 1                   | * 1.33 | .98  | * 8.6 | 8.6                  | 13.6   | * 1048. | 15.24  | 79 |
| D * 21:54 | * 3168.0   | 3168.0   | 3131.0 | * 34.8 | * 36.6                | 101   | 1200  | 1359  | 422              | * 462   | * 8.6  | 8.6   | 56.5      | 64.2          | .21           | .22   | * 3                   | * 1.42 | .98  | * 8.6 | 8.6                  | 13.6   | * 1050. | 15.27  | 79 |
| D * 21:55 | * 3169.0   | 3169.0   | 3133.0 | * 38.4 | * 37.4                | 100   | 1300  | 1359  | 432              | * 466   | * 8.6  | 8.6   | 56.5      | 64.2          | .21           | .22   | * 1                   | * 1.30 | .98  | * 8.6 | 8.6                  | 13.6   | * 1051. | 15.30  | 79 |
| D * 21:57 | * 3170.0   | 3170.0   | 3134.0 | * 34.2 | * 34.6                | 103   | 1300  | 1359  | 427              | * 470   | * 8.6  | 8.6   | 56.4      | 64.2          | .21           | .22   | * 1                   | * 1.41 | .98  | * 8.6 | 8.6                  | 13.6   | * 1052. | 15.32  | 79 |
| D * 21:59 | * 3171.0   | 3170.0   | 3135.0 | * 34.2 | * 36.2                | 100   | 1300  | 1359  | 427              | * 474   | * 8.6  | 8.6   | 56.4      | 64.2          | .21           | .22   | * 1                   | * 1.41 | .98  | * 8.6 | 8.6                  | 13.6   | * 1052. | 15.35  | 79 |
| D * 22: 0 | * 3172.0   | 3171.1   | 3135.0 | * 39.0 | * 35.8                | 103   | 1300  | 1354  | 427              | * 476   | * 8.6  | 8.6   |           |               |               |       |                       |        |      |       |                      |        |         |        |    |