

* 1/ 8/82 TIME 5: 8

CAPE SORELL # 1

466452

* DEPTH OF EXECUTION 5743.32 FEET *
* FLOW RATE 585 GPM POWER LAW *

* MUD DATA WEIGHT 9.32 PPG *
* PV 12 CPS *
* YP 10.00 LB/FT2 *
* GEL 4.00 LB/100 FT2 *
* N .7370 *
* K .1817 LB/100 FT2 *

* HOLES VOLUMES WITH PIPES 841.81 BBL *
* WITHOUT PIPES 902.41 BBL *
* ANNULAR 748.62 BBL *
* INSIDE PIPES 93.19 BBL *

* FROM TO * PIPE * PIPE * HOLE * P.LOSSES* H.P *TYPE* CRITICAL * MUD * CUTTINGS *
* ID OD DIAM * FLOW * VELOCITY VELOCITY *
* FEET * INCH INCH INCH * PSI * GPM * FT/MN FT/MN *

SURF.EQPT * 56 19 * * *
DR.STRING .00 4830.00 * 4.20 5.00 * 326 111 * * *
DR.STRING 4830.00 5286.90 * 3.00 5.00 * 169 58 * * *
DR.STRING 5286.90 5384.22 * 2.25 6.25 * 143 49 * * *
DR.STRING 5384.22 5765.22 * 2.81 7.75 * 192 66 * * *
*BIT * * 846 289 * FT/S * 318.7 *
*ANNULUS * 5743.32 5362.32 * 7.75 12.25 * 1 0 * TU 516.5 * 159.3 155.5 *
*ANNULUS * 5362.32 5265.00 * 6.25 12.25 * 0 0 * TU 538.6 * 129.1 125.6 *
*ANNULUS * 5265.00 4888.10 * 5.00 12.25 * 1 0 * TU 543.4 * 114.6 111.3 *
*ANNULUS * 4888.10 4144.00 * 5.00 12.25 * 1 0 * TU 543.4 * 114.6 111.3 *
*ANNULUS * 4144.00 381.00 * 5.00 12.35 * 4 1 * TU 549.7 * 112.4 109.1 *
*ANNULUS * 381.00 -.00 * 5.00 17.37 * 1 0 * LA 888.7 * 51.8 49.2 *
* TOTAL * * * 1748 594 * * *

* ANNULAR PRESSURE LOSSES 7 PSI *

* EQUIV.CIRCULATING DENSITY 9.35 PPG *
* MAX DEPTH 24315.83 *

* MUD LAG TIMES S -> B 6.69 MN *
* B -> S 53.77 MN *

* CUTTINGS DATA SIZE .10 IN *
* DENSITY 20.00 PPG *
* LAG TIME 55.53 MN *
* MAX SLIP VELOCITY 3.80 FT/MN *

* BIT DATA SIZE 12.25 INCH *
* NOZZLES 16 16 16 /32NDS *
* NOZZLES EFFICIENCY 95 % *
* BIT P. LOSSES 846 PSI *
* H.H.P RATIO 48.61 % *
* BIT H.H.P 2.449 *
* BIT VELOCITY 318.72 FT/S *