

* 20/ 8/82 TIME 5:41

CAPE SORELL # 1

* DEPTH OF EXECUTION 10168.14 FEET
* FLOW RATE 329 GPM POWER LAW

* MUD DATA WEIGHT 9.51 PPG
* PV 16 CPS
* YP 10.00 LB/FT2
* GEL 3.00 LB/100 FT2
* N .7618
* K .1988 LB/100 FT2

466592

* HOLES VOLUMES WITH PIPES 695.68 BBL
* WITHOUT PIPES 834.76 BBL
* ANNULAR 579.98 BBL
* INSIDE PIPES 115.71 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.CEPT * 22 4 *
DR.STRING .00 2640.00 * 3.50 5.00 * 179 34 *
DR.STRING 2640.00 9150.00 * 3.50 5.00 * 441 85 *
DR.STRING 9150.00 9607.67 * 3.00 5.00 * 65 12 *
DR.STRING 9607.67 10181.95 * 2.25 6.25 * 324 62 *
*BIT * * 1052 202 * FT/S * 351.0 *
*ANNULUS * 10168.14 9593.86 * 6.25 8.50 * 15 3 * LA 334.7 * 243.3 238.2 *
*ANNULUS * 9593.86 9136.19 * 5.00 8.50 * 5 1 * LA 363.1 * 170.9 167.5 *
*ANNULUS * 9136.19 9002.00 * 5.00 8.50 * 1 0 * LA 363.1 * 170.9 167.5 *
*ANNULUS * 9002.00 2626.19 * 5.00 8.75 * 58 11 * LA 379.8 * 156.6 153.2 *
*ANNULUS * 2626.19 381.00 * 5.00 8.75 * 20 4 * LA 379.8 * 156.6 153.2 *
*ANNULUS * 381.00 .00 * 5.00 17.37 * 0 0 * LA 978.3 * 29.2 27.0 *
* TOTAL * * 2101 419 * * * *

*ANNULAR PRESSURE LOSSES 100 PSI

*EQUIV.CIRCULATING DENSITY 9.70 PPG
* MAX DEPTH 33153.62

* MUD LAG TIMES S -> B 14.75 MN
* B -> S 73.94 MN

* CUTTINGS DATA SIZE .10 IN
* DENSITY 20.00 PPG
* LAG TIME 76.30 MN
* MAX SLIP VELOCITY 5.16 FT/MN

* BIT DATA SIZE 8.50 INCH
* NOZZLES 14 14 0 /32NDS
* NOZZLES EFFICIENCY 95 %
* BIT P. LOSSES 1052 PSI
* H.H.P RATIO 40.22 %
* BIT H.H.P 3.562
* BIT VELOCITY 351.00 FT/S