

* 2/ 9/02 TIME 5:39

CAPE SORELL # 1

466055

* DEPTH OF EXECUTION 11499.63 FEET *
* FLOW RATE 329 GPM POWER LAW *

* MUD DATA WEIGHT 9.50 PPG *
* PV 14 CPS *
* YP 7.00 LB/FT2 *
* GEL 2.00 LB/100 FT2 *
* N .7965 *
* K .1323 LB/100 FT2 *

* HOLES VOLUMES WITH PIPES 772.67 BBL *
* WITHOUT PIPES 920.21 BBL *
* ANNULAR 641.10 BBL *
* INSIDE PIPES 131.57 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 * 21 4 * *
DR.STRING .00 3973.20 * 3.50 5.00 * 261 50 * * *
DR.STRING 3973.20 10403.20 * 3.50 5.00 * 427 82 * * *
DR.STRING 10403.20 10940.87 * 3.00 5.00 * 63 12 * * *
DR.STRING 10940.87 11514.20 * 2.25 6.25 * 314 60 * * *
*BIT * * 862 166 * FT/S * 318.8 *
*ANNULUS * 11499.63 10926.22 * 6.25 8.50 * 11 2 * TU 278.1 * 243.0 237.4 *
*ANNULUS * 10926.22 10468.55 * 5.00 8.50 * 3 1 * TU 295.5 * 170.7 165.4 *
*ANNULUS * 10468.55 9002.00 * 5.00 8.50 * 8 2 * TU 295.5 * 170.7 165.4 *
*ANNULUS * 9002.00 3958.55 * 5.00 8.75 * 23 4 * TU 308.1 * 156.4 151.2 *
*ANNULUS * 3958.55 301.00 * 5.00 8.75 * 16 3 * TU 308.1 * 156.4 151.2 *
*ANNULUS * 301.00 .00 * 5.00 17.37 * 0 0 * LA 750.0 * 29.1 26.4 *
* TOTAL * * * 2010 306 * * *

* ANNULAR PRESSURE LOSSES 61 PSI *
* EQUIV.CIRCULATING DENSITY 9.60 PPG *
* MAX DEPTH 38995.57 *

* MUD LAG TIMES S -> B 16.00 MN *
* B -> S 01.04 MN *

* CUTTINGS DATA SIZE .10 IN *
* DENSITY 20.00 PPG *
* LAG TIME 05.50 MN *
* MAX SLIP VELOCITY 5.56 FT/MN *

* BIT DATA SIZE 8.50 INCH *
* NOZZLES 12 12 12 /32NDS *
* NOZZLES EFFICIENCY 95 % *
* BIT P. LOSSES 862 PSI *
* H.H.P RATIO 42.91 % *
* BIT H.H.P 2.917 *
* BIT VELOCITY 318.78 FT/S *