

* 29/ 8/82 TIME 5:36

CAPE SORELL # 1

466639

* DEPTH OF EXECUTION 11280.23 FEET
* FLOW RATE 334 GPM POWER LAW

* MUD DATA WEIGHT 9.55 PPG
PV 14 CPS
YP 11.80 LB/FT2
GEL 3.00 LB/100 FT2
N .7105
K .2619 LB/100 FT2

* HOLES VOL* WITHOUT PIPES 912.81 BBL
ANNULAR 631.82 BBL
INSIDE PIPES 128.92 BBL

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

SURF.COPT
DR.STRING .00 3750.00 * 3.50 5.00 * 22 4 *
DR.STRING 3750.00 10260.00 * 3.50 5.00 * 441 86 *
DR.STRING 10260.00 10717.67 * 3.00 5.00 * 65 13 *
DR.STRING 10717.67 11291.95 * 2.25 6.25 * 325 63 *
*BIT * 1461 285 * FT/S * 413.8
*ANNULUS * 11280.23 10705.95 * 6.25 8.50 * 15 3 * LA 334.8 * 246.8 241.6
*ANNULUS * 10705.95 10248.28 * 5.00 8.50 * 5 1 * LA 373.7 * 173.3 178.0
*ANNULUS * 10248.28 9802.00 * 5.00 8.50 * 14 3 * LA 373.7 * 173.3 178.0
*ANNULUS * 9802.00 3738.28 * 5.00 8.75 * 50 10 * LA 392.6 * 158.8 155.6
*ANNULUS * 3738.28 381.00 * 5.00 8.75 * 32 6 * LA 392.6 * 158.8 155.6
*ANNULUS * 381.00 .00 * 5.00 17.37 * 0 0 * LA 1092.0 * 29.6 27.7
* TOTAL * 2684 523 *

*ANNULAR PRESSURE LOSSES 116 PSI

*EQUIV.CIRCULATING DENSITY 9.75 PPG
* MAX DEPTH 30953.50

* MUD LAG TIMES S -> B 16.21 MN
* B -> S 79.32 MN

* CUTTINGS DATA SIZE .10 IN
* DENSITY 20.00 PPG
* LAG TIME 81.56 MN
* MAX SLIP VELOCITY 5.13 FT/MN

* BIT DATA SIZE 8.50 INCH
* NOZZLES 13 13 0 /32NDS
* NOZZLES EFFICIENCY 95 %
* BIT P. LOSSES 1461 PSI
* H.H.P. RATIO 54.43 %
* BIT H.H.P 5.018
* BIT VELOCITY 413.78 FT/S