

* 7/ 8/82 TIME 5:27

CAPE CORRELL # 1

466507

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*****
* DEPTH OF EXECUTION 7001.60 FEET
* FLOW RATE 552 GPM POWER LAW
*
* MUD DATA WEIGHT 9.20 PPG
* ----- PV 13 CPS
* YP 14.00 LB/FT2
* GEL 5.00 LB/100 FT2
* N .6699
* K .3374 LB/100 FT2
*
* HOLES VOLUMES WITH PIPES 1089.0 BBL
* ----- WITHOUT PIPES 1202.5 BBL
* ANNULAR 997.65 BBL
* INSIDE PIPES 92.17 BBL
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* 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.EBPT* * * * * * * * * * *
*DR.STRING* .00 594.00 * 3.50 5.00 * 95 31 * * *
*DR.STRING* 594.00 7104.00 * 3.50 5.00 * 1041 335 * * *
*DR.STRING* 7104.00 7560.90 * 3.00 5.00 * 153 49 * * *
*DR.STRING* 7560.90 7650.22 * 2.25 6.25 * 130 42 * * *
*DR.STRING* 7650.22 8069.60 * 2.01 7.75 * 180 60 * * *
*BIT * * * * * 744 239 * FT/S * 300.7
*ANNULUS * 7801.60 7390.22 * 7.75 12.25 * 4 1 * LA 677.0 * 150.3 147.3
*ANNULUS * 7390.22 7292.90 * 6.25 12.25 * 1 0 * LA 723.2 * 121.8 119.1
*ANNULUS * 7292.90 6836.00 * 5.00 12.25 * 2 1 * LA 740.0 * 100.1 105.6
*ANNULUS * 6836.00 4144.00 * 5.00 12.25 * 11 4 * LA 740.0 * 100.1 105.6
*ANNULUS * 4144.00 381.00 * 5.00 12.35 * 15 5 * LA 750.2 * 106.1 103.5
*ANNULUS * 381.00 326.00 * 5.00 17.37 * 0 0 * LA 1253.0 * 40.8 47.0
*ANNULUS * 326.00 -.00 * 5.00 17.37 * 1 0 * LA 1253.0 * 40.8 47.0
* TOTAL * * * * * 2435 704 * *
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*ANNULAR PRESSURE LOSSES 33 PSI

*EQUIV.CIRCULATING DENSITY 9.20 PPG
* MAX DEPTH 21174.45

* MUD LAG TIMES S -> B 7.02 MN
* B -> S 75.94 MN

* CUTTINGS DATA SIZE .10 IN
* DENSITY 20.00 PPG
* LAG TIME 77.00 MN
* MAX SLIP VELOCITY 3.02 FT/MN

* BIT DATA SIZE 12.25 INCH
* NOZZLES 16 16 16 /32NDS
* NOZZLES EFFICIENCY 95 %
* BIT P. LOSSES 744 PSI
* H.H.P. RATIO 30.53 %
* BIT H.H.P. 2.031
* BIT VELOCITY 300.75 FT/S