

* 27/ 8/82 TIME 5:28

CAPE SORELL # 1

466634

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*****
* DEPTH OF EXECUTION 11103.30 FEET *
* FLOW RATE 339 GPM POWER LAW *
*
* MUD DATA WEIGHT 9.60 PPG *
* ----- PV 17 CPS *
* YP 14.00 LB/FT2 *
* GEL 4.00 LB/100 FT2 *
* N .7845 *
* K .3335 LB/100 FT2 *
*
* HOLES VOLUMES WITH PIPES 749.68 BBL *
* ----- WITHOUT PIPES 900.39 BBL *
* ANNULAR 622.90 BBL *
* INSIDE PIPES 126.70 BBL *
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* FROM TO * PIPE * PIPE * HOLE * P.LOSSES * H.P * TYPE * CRITICAL * MUD * CUTTINGS *
* * * ID OD DIAM * * * * * * * * * * * * * * * * * * * * * * *
* * FEET * INCH INCH INCH * PSI * * * * * * * * * * * * * * * * * * * * * *
*****
* SURF. EQPT * * * * 22 4 * * * * *
* DR. STRING * .00 3570.00 * 3.50 5.00 * 247 40 * * * * *
* DR. STRING * 3570.00 10000.00 * 3.50 5.00 * 451 07 * * * * *
* DR. STRING * 10000.00 10537.67 * 3.00 5.00 * 66 13 * * * * *
* DR. STRING * 10537.67 11111.75 * 2.25 6.25 * 331 64 * * * * *
* BIT * * * * 1432 276 * FT/S * * 400.7 *
* ANNULUS * 11103.30 10529.02 * 6.25 0.50 * 19 4 * LA 392.3 * 243.7 240.4 *
* ANNULUS * 10529.02 10071.35 * 5.00 0.50 * 6 1 * LA 439.2 * 171.2 160.3 *
* ANNULUS * 10071.35 9002.00 * 5.00 0.50 * 15 3 * LA 439.2 * 171.2 160.3 *
* ANNULUS * 9002.00 3561.35 * 5.00 0.75 * 65 12 * LA 461.7 * 156.9 154.1 *
* ANNULUS * 3561.35 301.00 * 5.00 0.75 * 30 7 * LA 461.7 * 156.9 154.1 *
* ANNULUS * 301.00 .00 * 5.00 17.37 * 1 0 * LA 1295.1 * 29.2 27.6 *
* TOTAL * * * * 2693 519 * * * * *
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* ANNULAR PRESSURE LOSSES 143 PSI *
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* EQUIV. CIRCULATING DENSITY 9.85 PPG *
* MAX DEPTH 30135.22 *
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* MUD LAG TIMES S -> D 16.14 MN *
* ----- D -> S 79.20 MN *
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* CUTTINGS DATA SIZE .10 IN *
* ----- DENSITY 20.00 PPG *
* LAG TIME 01.20 MN *
* MAX SLIP VELOCITY 3.36 FT/MN *
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* BIT DATA SIZE 0.50 INCH *
* ----- NOZZLES 13 13 0 /32NDS *
* NOZZLES EFFICIENCY 95 % *
* BIT P. LOSSES 1432 PSI *
* H.H.P. RATIO 53.18 % *
* BIT H.H.P. 4.860 *
* BIT VELOCITY 400.68 FT/S *
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