

* 9/ 8/82 TIME 5: 7

CAPE SORELL # 1

* DEPTH OF EXECUTION 8435.49 FEET

* FLOW RATE 530 GPM POWER LAW *

* MUD DATA WEIGHT 9.26 PPG *

* PV 13 CPS *

* YP 15.00 LB/FT2 *

* GEL 4.00 LB/100 FT2 *

* N 6245 *

* K .4805 LB/100 FT2 *

* HOLES VOLUMES WITH PIPES 1173.9 BBL *

* WITHOUT PIPES 1294.9 BBL *

* ANNULAR 1074.7 BBL *

* INSIDE PIPES 99.24 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. CAPT * * * 40 15 * * * *

DR.STRING .00 1188.00 * 3.50 5.00 * 178 55 * * *

DR.STRING 1188.00 7498.00 * 3.50 5.00 * 974 301 * * *

DR.STRING 7498.00 8154.90 * 3.00 5.00 * 143 44 * * *

DR.STRING 8154.90 8252.22 * 2.25 6.25 * 121 38 * * *

DR.STRING 8252.22 8663.60 * 2.01 7.75 * 176 54 * * *

*BIT * * * * 690 214 * FT/S * 200.9 *

*ANNULUS * 8435.49 8824.11 * 7.75 12.25 * 4 1 * LA 765.5 * 144.3 141.7 *

*ANNULUS * 8824.11 7926.79 * 6.25 12.25 * 1 0 * LA 828.6 * 117.0 114.7 *

*ANNULUS * 7926.79 7469.89 * 5.00 12.25 * 2 1 * LA 856.7 * 103.9 101.7 *

*ANNULUS * 7469.89 4144.00 * 5.00 12.25 * 14 4 * LA 856.7 * 103.9 101.7 *

*ANNULUS * 4144.00 959.89 * 5.00 12.35 * 13 4 * LA 868.1 * 101.9 99.7 *

*ANNULUS * 959.89 381.00 * 5.00 12.35 * 2 1 * LA 868.1 * 101.9 99.7 *

*ANNULUS * 381.00 -.00 * 5.00 17.37 * 1 0 * LA 1487.9 * 46.9 45.4 *

* TOTAL * * * * 2365 731 * * *

*ANNULAR PRESSURE LOSSES 36 PSI *

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*EQUIV.CIRCULATING DENSITY 9.34 PPG *

* MAX DEPTH 23298.53 *

* MUD LAG TIMES S -> B 7.86 MN *

* B -> S 85.16 MN *

* CUTTINGS DATA SIZE .10 IN *

* DENSITY 20.00 PPG *

* LAG TIME 87.07 MN *

* MAX SLIP VELOCITY 2.63 FT/MN *

* BIT DATA SIZE 12.25 INCH *

* NOZZLES 16 16 16 /32NDS *

* NOZZLES EFFICIENCY 95 % *

* BIT P. LOSSES 690 PSI *

* H.H.P. RATIO 29.19 % *

* BIT H.H.P 1.812 *

* BIT VELOCITY 208.87 FT/S *

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