

* 13/ 7/82 TIME 5:39

CAPE SORRELL # 1

406243

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*****
* DEPTH OF EXECUTION 2067.00 FEET *
* FLOW RATE 512 GPM POWER LAW *
*
* MUD DATA WEIGHT 8.00 PPG *
* ----- PV 1 CPS *
* YP 3.00 LB/FT2 *
* GEL 1.00 LB/100 FT2 *
* N .4150 *
* K .2254 LB/100 FT2 *
*
* HOLES VOLUMES WITH PIPES 509.03 BBL *
* ----- WITHOUT PIPES 547.70 BBL *
* ANNULAR 401.00 BBL *
* INSIDE PIPES 27.95 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. EQPT * * * * 26 8 * * *
* DR. STRING* .00 1140.00 * 4.20 5.00 * 35 11 * *
* DR. STRING* 1140.00 1596.09 * 3.00 5.00 * 77 23 * *
* DR. STRING* 1596.89 2079.08 * 2.81 7.75 * 111 33 * *
* BIT * * * * 1729 516 * FT/S * 469.0 *
* ANNULUS * 2067.00 1584.01 * 7.75 12.25 * 1 0 * TU 268.1 * 139.4 131.8 *
* ANNULUS * 1584.01 1393.00 * 5.00 12.25 * 0 0 * TU 328.8 * 100.3 93.8 *
* ANNULUS * 1393.00 1127.92 * 5.00 18.75 * 0 0 * LA 726.1 * 38.4 35.3 *
* ANNULUS * 1127.92 381.00 * 5.00 18.75 * 0 0 * LA 726.1 * 38.4 35.3 *
* ANNULUS * 381.00 -.00 * 5.00 16.75 * 0 0 * LA 592.1 * 49.1 45.4 *
* TOTAL * * * * 1980 591 * *
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* ANNULAR PRESSURE LOSSES 1 PSI *
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* EQUIV. CIRCULATING DENSITY 8.81 PPG *
* MAX DEPTH 18837.71 *
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* MUD LAG TIMES S -> B 2.29 MN *
* ----- B -> S 39.46 MN *
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* CUTTINGS DATA SIZE .10 IN *
* ----- DENSITY 20.00 PPG *
* LAG TIME 42.79 MN *
* MAX SLIP VELOCITY 7.68 FT/MN *
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* BIT DATA SIZE 12.25 INCH *
* ----- NOZZLES 12 12 13 /32NDS *
* NOZZLES EFFICIENCY 95 % *
* BIT P. LOSSES 1729 PSI *
* H.H.P RATIO 87.33 % *
* BIT H.H.P 4.382 *
* BIT VELOCITY 468.96 FT/S *
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