
DATE 2/7/82 TIME 3:34 CAFE CORRELL # 1

* DEPTH OF EXECUTION 4329.67 FEET *
* FLOW RATE 261 GPM POWER LAW *

* MUD DATA WEIGHT 9.00 PPG *
* ----- PV 11 CPS *
* YP 5.00 LB/FT2 *
* GEL 3.00 LB/100 FT2 *
* N .8845 *
* K .8523 LB/100 FT2 *

* HOLES VOLUMES WITH PIPES 645.13 BBL *
* ----- WITHOUT PIPES 696.34 BBL *
* ANNULAR 577.01 BBL *
* INSIDE PIPES 68.11 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/MIN FT/MIN *

* SURF. EQPT * * * 13 2 * * * *
* DR. STRING * .00 3420.00 * 4.28 5.00 * 52 8 * * * *
* DR. STRING * 3420.00 3876.90 * 3.00 5.00 * 30 6 * * * *
* DR. STRING * 3876.90 3972.15 * 2.25 6.25 * 31 5 * * * *
* DR. STRING * 3972.15 4350.15 * 2.01 7.75 * 43 6 * * * *
* BIT * * * 513 70 * FT/S * 252.5 * *
* ANNULUS * 4329.67 4144.00 * 7.75 12.25 * 1 0 * LA 296.7 * 71.0 64.6 *
* ANNULUS * 4144.00 3951.67 * 7.75 12.35 * 1 0 * LA 299.5 * 69.1 62.8 *
* ANNULUS * 3951.67 3856.42 * 6.25 12.35 * 0 0 * LA 293.0 * 56.3 50.1 *
* ANNULUS * 3856.42 3399.52 * 5.00 12.35 * 1 0 * LA 204.9 * 50.1 44.0 *
* ANNULUS * 3399.52 301.00 * 5.00 12.35 * 5 1 * LA 204.9 * 50.1 44.0 *
* ANNULUS * 301.00 .00 * 5.00 17.37 * 0 0 * LA 409.2 * 23.1 17.2 *
* TOTAL * * * 696 106 * * * *

* ANNULAR PRESSURE LOSSES 7 PSI *

* EQUIV. CIRCULATING DENSITY 9.83 PPG *
* MAX DEPTH 81615.50 *

* MUD LAG TIMES S -> B 10.98 MN *
* ----- B -> S 92.99 MN *

* CUTTINGS DATA SIZE .10 IN *
* ----- DENSITY 20.00 PPG *
* LAG TIME 109.0 MN *
* MAX SLIP VELOCITY 6.34 FT/MN *

* BIT DATA SIZE 12.25 INCH *
* ----- NOZZLES 12 12 12 /32NDS *
* NOZZLES EFFICIENCY 95 % *
* BIT P. LOSSES 513 PSI *
* H.H.P. RATIO 73.69 % *
* BIT H.H.P. .661 *
* BIT VELOCITY 252.51 FT/S *
