
* 8/ 0/82 TIME 5:26 CAPE SORELL # 1

* DEPTH OF EXECUTION 7926.63 FEET *
* FLOW RATE 547 GPM POWER LAW *
* *
* MUD DATA WEIGHT 9.27 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 1105.0 BBL *
* ----- WITHOUT PIPES 1220.7 BBL *
* ANNULAR 1012.0 BBL *
* INSIDE PIPES 92.17 BBL *

* FROM	TO	* PIPE ID	* PIPE OD	* HOLE DIAM	* P.LOSSES	* H.P	* TYPE	* CRITICAL	* MUD FLOW	* CUTTINGS VELOCITY
FEET	FEET	INCH	INCH	INCH	PSI				GPM	FT/MIN
SURF.EQPT					50	16				
DR.STRING	.00	594.00	3.50	5.00	94	30				
DR.STRING	594.00	7104.00	3.50	5.00	1030	329				
DR.STRING	7104.00	7560.90	3.00	5.00	152	48				
DR.STRING	7560.90	7650.22	2.25	6.25	120	41				
DR.STRING	7650.22	8069.60	2.01	7.75	106	59				
*BIT					735	235	FT/S		298.0	
*ANNULUS	* 7926.63	7515.25	* 7.75	12.25	* 4	1	LA	674.1	* 148.9	145.9
*ANNULUS	* 7515.25	7417.93	* 6.25	12.25	* 1	0	LA	719.3	* 120.7	118.0
*ANNULUS	* 7417.93	6961.03	* 5.00	12.25	* 2	1	LA	736.7	* 107.2	104.6
*ANNULUS	* 6961.03	4144.00	* 5.00	12.25	* 12	4	LA	736.7	* 107.2	104.6
*ANNULUS	* 4144.00	451.03	* 5.00	12.35	* 15	5	LA	746.0	* 105.1	102.6
*ANNULUS	* 451.03	381.00	* 5.00	12.35	* 0	0	LA	746.0	* 105.1	102.6
*ANNULUS	* 381.00	-.00	* 5.00	17.37	* 1	0	LA	1246.1	* 48.4	46.5
* TOTAL					* 2410	769				

* ANNULAR PRESSURE LOSSES 34 PSI *
* *
* EQUIV.CIRCULATING DENSITY 9.35 PPG *
* MAX DEPTH 21691.46 *

* MUD LAG TIMES S -> B 7.00 MN *
* ----- B -> S 77.00 MN *

* CUTTINGS DATA SIZE .10 IN *
* ----- DENSITY 20.00 PPG *
* LAG TIME 79.00 MN *
* MAX SLIP VELOCITY 3.00 FT/MIN *

* BIT DATA SIZE 12.25 INCH *
* ----- NOZZLES 16 16 16 /32NDS *
* NOZZLES EFFICIENCY 95 % *
* BIT P. LOSSES 735 PSI *
* H.H.P RATIO 30.52 % *
* BIT H.H.P 1.991 *
* BIT VELOCITY 298.01 FT/S *
