

* 25/ 8/82 TIME 5:36

CAPE SORELL # 1

466625

* DEPTH OF EXECUTION 10930.30 FEET

* FLOW RATE 330 GPM POWER LAW *

* MUD DATA WEIGHT 9.60 PPG
 * PV 15 CPS
 * YP 12.00 LB/FT2
 * GEL 2.00 LB/100 FT2
 * N .6781
 * K .3643 LB/100 FT2

* HOLES VOLUMES WITH PIPES 740.32 BBL
 * WITHOUT PIPES 888.82 BBL
 * ANNULAR 615.33 BBL
 * INSIDE PIPES 124.99 BBL

* FROM TO * PIPE * PIPE * HOLE * P.LOSSES* H.P *TYPE* CRITICAL * MUD * CUTTINGS *
 * ID OD DIAM * FLOW * VELOCITY VELOCITY *
 * INCH INCH INCH * PSI * GPM * FT/MN FT/MN *

SURF.EQPT	* FROM	* TO	* PIPE ID INCH	* PIPE OD INCH	* HOLE DIAM INCH	* P.LOSSES PSI	* H.P	*TYPE	* CRITICAL	* MUD FLOW GPM	* VELOCITY FT/MN	* CUTTINGS VELOCITY FT/MN
DR.STRING	.00	3420.00	3.50	5.00		231	44	*				
DR.STRING	3420.00	9930.00	3.50	5.00		439	85	*				
DR.STRING	9930.00	10387.67	3.00	5.00		65	12	*				
DR.STRING	10387.67	10961.95	2.25	6.25		323	62	*				
*BIT						1432	276	* FT/S		488.7		
*ANNULUS	10930.30	10364.11	6.25	8.50		17	3	* LA	376.0	243.7	240.2	
*ANNULUS	10364.11	9906.44	5.00	8.50		5	1	* LA	426.7	171.2	168.2	
*ANNULUS	9906.44	9002.00	5.00	8.50		10	2	* LA	426.7	171.2	168.2	
*ANNULUS	9002.00	3396.43	5.00	8.75		56	11	* LA	449.5	156.9	154.0	
*ANNULUS	3396.43	381.00	5.00	8.75		30	6	* LA	449.5	156.9	154.0	
*ANNULUS	381.00	.00	5.00	17.37		0	0	* LA	1388.3	29.2	27.7	
* TOTAL*						2630	506	*				

* ANNULAR PRESSURE LOSSES 110 PSI

* EQUIV.CIRCULATING DENSITY 9.81 PPG
 * MAX DEPTH 38661.82

* MUD LAG TIMES S -> B 15.91 MN
 * B -> S 78.31 MN

* CUTTINGS DATA SIZE .10 IN
 * DENSITY 20.00 PPG
 * LAG TIME 80.22 MN
 * MAX SLIP VELOCITY 3.48 FT/MN

* BIT DATA SIZE 8.50 INCH
 * NOZZLES 13 13 0 /32NDC
 * NOZZLES EFFICIENCY 95 %
 * BIT P. LOSSES 1432 PSI
 * H.H.P RATIO 54.46 %
 * BIT H.H.P 4.868
 * BIT VELOCITY 488.68 FT/S