

* 4/ 8/82 TIME 5:21

CAPE SORELL # 1

466473

* DEPTH OF EXECUTION 6437.91 FEET *
* FLOW RATE 556 GPM * POWER LAW *

* MUD DATA WEIGHT 9.28 PPG *
* PV 11 CPS *
* YP 9.00 LB/FT2 *
* GEL 2.00 LB/100 FT2 *
* N .6801 *
* K .2464 LB/100 FT2 *

* HOLES VOLUMES WITH PIPES 938.45 BBL *
* WITHOUT PIPES 1003.7 BBL *
* ANNULAR 833.01 BBL *
* INSIDE PIPES 105.45 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. EQPT *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *
* DR. STRING *	.00	5520.00	4.28	5.00		50	16			
* DR. STRING *	5520.00	5976.90	3.00	5.00		334	108			
* DR. STRING *	5976.90	6074.22	2.25	6.25		151	49			
* DR. STRING *	6074.22	6455.22	2.01	7.75		128	42			
* BIT *						762	247	FT/S	303.2	
* ANNULUS *	6437.91	6056.91		7.75	12.25	2	1	LA	562.0	151.5
* ANNULUS *	6056.91	5959.59		6.25	12.25	0	0	LA	597.0	122.8
* ANNULUS *	5959.59	5502.69		5.00	12.25	1	0	LA	609.0	109.0
* ANNULUS *	5502.69	4144.00		5.00	12.25	3	1	LA	609.0	106.0
* ANNULUS *	4144.00	381.00		5.00	12.35	9	3	LA	616.6	106.9
* ANNULUS *	381.00	-.00		5.00	17.37	0	0	LA	1010.7	49.2
* TOTAL *						1613	523			

* ANNULAR PRESSURE LOSSES 16 PSI *

* EQUIV. CIRCULATING DENSITY 9.32 PPG *
* MAX DEPTH 20901.02 *

* MUD LAG TIMES S -> B 7.96 MN *
* B -> S 62.09 MN *

* CUTTINGS DATA SIZE .10 IN *
* DENSITY 20.00 PPG *
* LAG TIME 64.82 MN *
* MAX SLIP VELOCITY 3.53 FT/MN *

* BIT DATA SIZE 12.25 INCH *
* NOZZLES 16 16 16 /32NDS *
* NOZZLES EFFICIENCY 75 % *
* BIT P. LOSSES 762 PSI *
* H.H.P RATIO 47.23 % *
* BIT H.H.P 2.098 *
* BIT VELOCITY 303.10 FT/S *
