

* 27/ 7/82 TIME 3:32

CAPE SORELL # 1

466413

* 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 .0045 *
* K .0523 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 ID	PIPE OD	HOLE DIAM	P. LOSSES	H.P	TYPE	CRITICAL	MUD	CUTTINGS
	FEET	FEET	INCH	INCH	INCH	PSI				FT/MN	FT/MN
SURF. EQPT						13	2	*			
DR. STRING	.00	3420.00	4.20	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	78	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	293.8	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	381.00	5.00	12.35		5	1	LA	204.9	50.1	44.0
*ANNULUS	381.00	.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 9.03 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 107.8 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 *