

* 30/ 7/82 16:12

CAPE SORELL # 1

466433

* DEPTH OF EXECUTION 5178.40 METERS *
* FLOW RATE 579 L/MN POWER LAW *

* MUD DATA WEIGHT 9.25 KG/L *
* PV 16 CPS *
* YP 13.00 *
* GEL 6.00 *
* N .7610 *
* K .1980 *

* HOLES VOLUMES WITH PIPES 762.76 M3 *
* WITHOUT PIPES 820.06 M3 *
* ANNULAR 679.71 M3 *
* INSIDE PIPES 83.85 M3 *

FROM	TO	PIPE ID	PIPE OD	HOLE DIAM	P.LOSSES	H.P	TYPE	CRITICAL	MUD FLOW	CUTTINGS VELOCITY
METERS		INCH	INCH	INCH	K/C				L/MN	M/MN
SURF. EQPT					58.2	20	*			
DR. STRING	.00	4255.74	4.28	5.00	297.4	100	*			
DR. STRING	4255.74	4712.64	3.00	5.00	175.0	59	*			
DR. STRING	4712.64	4807.89	2.25	6.25	145.1	49	*			
DR. STRING	4807.89	5197.89	2.81	7.75	203.4	69	*			
*BIT					1405.2	475	M/S		412.3	
*ANNULUS	5178.40	4788.40	7.75	12.25	3.5	1	LA	605.8	157.7	154.4
*ANNULUS	4788.40	4693.15	6.25	12.25	.5	0	LA	625.9	127.9	124.0
*ANNULUS	4693.15	4236.25	5.00	12.25	2.0	1	LA	627.7	113.5	110.5
*ANNULUS	4236.25	4144.00	5.00	12.25	.4	0	LA	627.7	113.5	110.5
*ANNULUS	4144.00	381.00	5.00	12.35	15.9	5	LA	634.7	111.3	108.4
*ANNULUS	381.00	.00	5.00	17.37	.7	0	LA	1000.1	51.3	48.9
* TOTAL*					2307.5	780	*			

* ANNULAR PRESSURE LOSSES 23.1 K/C *

* EQUIV. CIRCULATING DENSITY 9.34 KG/L *
* MAX DEPTH 18373.72 METERS *

* MUD LAG TIMES S -> B 6.02 MN *
* B -> S 49.30 MN *

* CUTTINGS DATA SIZE .10 CM *
* DENSITY 20.00 KG/L *
* LAG TIME 50.78 MN *
* MAX SLIP VELOCITY 3.35 M/MN *

* BIT DATA SIZE 12.25 INCH *
* NOZZLES 14 14 14 /32NDS *
* NOZZLES EFFICIENCY 95 % *
* P. LOSSES 1405. K/C *
* POWERS RATIO 60.90 *
* H.P/SQ. INCHES 4.028 *
* MUD VELOCITY 412.26 M/S *