

ON-LINE TDC

GEOSERVICES

HYDRAULIC REPORT

* 26/ 7/82 TIME 5:10

CAPE SORELL # 1

466398

* DEPTH OF EXECUTION 4168.00 FEET *

* FLOW RATE 501 GPM POWER LAW *

* MUD DATA WEIGHT 9.00 PPG *

* PV 20 CPS *

* YP 12.00 LB/FT2 *

* GEL 5.00 LB/100 FT2 *

* N .7997 *

* K .1843 LB/100 FT2 *

* HOLES VOLUMES WITH PIPES 622.29 BBL *

* WITHOUT PIPES 672.77 BBL *

* ANNULAR 557.37 BBL *

* INSIDE PIPES 64.92 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					46	13				
DR. STRING	.00	3240.00	4.28	5.00	178	52				
DR. STRING	3240.00	3696.90	3.00	5.00	138	40				
DR. STRING	3696.90	3792.15	2.25	6.25	114	33				
DR. STRING	3792.15	4170.15	2.01	7.75	155	45				
*BIT					1895	554	FT/S		485.4	
*ANNULUS	4168.00	4144.00	7.75	12.25	0	0	LA	664.1	136.4	133.2
*ANNULUS	4144.00	3790.00	7.75	12.35	3	1	LA	672.3	132.8	129.6
*ANNULUS	3790.00	3694.75	6.25	12.35	0	0	LA	683.6	108.2	105.3
*ANNULUS	3694.75	3237.85	5.00	12.35	2	0	LA	678.6	96.3	93.4
*ANNULUS	3237.85	381.00	5.00	12.35	10	3	LA	678.6	96.3	93.4
*ANNULUS	381.00	.00	5.00	17.37	1	0	LA	1041.3	44.3	41.9
* TOTAL*					2543	743				

*ANNULAR PRESSURE LOSSES 16 PSI *

*EQUIV. CIRCULATING DENSITY 9.07 PPG *

* MAX DEPTH 15666.79 *

* MUD LAG TIMES S -> B 5.44 MN *

* B -> S 46.73 MN *

* CUTTINGS DATA SIZE .10 IN *

* DENSITY 20.00 PPG *

* LAG TIME 48.36 MN *

* MAX SLIP VELOCITY 3.19 FT/MIN *

* BIT DATA SIZE 12.25 INCH *

* NOZZLES 12 12 12 /32NDS *

* NOZZLES EFFICIENCY 95 % *

* BIT P. LOSSES 1895 PSI *

* H.H.P. RATIO 74.52 % *

* BIT H.H.P. 4.699 *

* BIT VELOCITY 485.44 FT/S *
