

* 14/ 7/82 TIME 5:45

CAPE SORELL # 1

408053

 * DEPTH OF EXECUTION 2547.77 FEET *
 * FLOW RATE 504 GPM *
 * POWER LAW *

* MUD DATA *
 * WEIGHT 8.60 PPG *
 * PV 2 CPS *
 * YP 1.00 LB/FT2 *
 * GEL .10 LB/100 FT2 *
 * N .7567 *
 * K .0259 LB/100 FT2 *

* HOLES VOLUMES *
 * WITH PIPES 576.29 BBL *
 * WITHOUT PIPES 617.79 BBL *
 * ANNULAR 539.91 BBL *
 * INSIDE PIPES 36.30 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	1620.00	* 4.20	5.00		* 28	0	*				
DR.STRING	1620.00	2076.09	* 3.00	5.00		* 55	16	*				
DR.STRING	2076.09	2546.78	* 2.81	7.75		* 119	35	*				
*BIT						* 1333	392	* FT/S				
*ANNULUS	* 2547.77	2077.00		7.75	12.25	* 1	0	* TU	122.5	* 137.4	127.2	*
*ANNULUS	* 2077.00	1620.99		5.00	12.25	* 0	0	* TU	127.4	* 98.9	89.4	*
*ANNULUS	* 1620.99	1393.00		5.00	12.25	* 0	0	* TU	127.4	* 98.9	89.4	*
*ANNULUS	* 1393.00	381.00		5.00	18.75	* 0	0	* TU	225.3	* 37.9	29.5	*
*ANNULUS	* 381.00	.00		5.00	16.75	* 0	0	* TU	194.0	* 48.4	39.8	*
* TOTAL*						* 1621	477	*				*

 * ANNULAR PRESSURE LOSSES 1 PSI *

* EQUIV.CIRCULATING DENSITY 8.61 PPG *
 * MAX DEPTH 24327.43 *

* MUD LAG TIMES *
 * S -> B 3.03 MN *
 * B -> S 44.95 MN *

* CUTTINGS DATA *
 * SIZE .10 IN *
 * DENSITY 20.00 PPG *
 * LAG TIME 55.21 MN *
 * MAX SLIP VELOCITY 10.12 FT/MN *

* BIT DATA *
 * SIZE 12.25 INCH *
 * NOZZLES 13 13 13 /32NDS *
 * NOZZLES EFFICIENCY 95 % *
 * BIT P. LOSSES 1333 PSI *
 * H.H.P RATIO 82.21 % *
 * BIT H.H.P 3.327 *
 * BIT VELOCITY 416.46 FT/S *