

* 12/ 7/82 TIME 16:39

CAPE SORELL # 1

466232

* DEPTH OF EXECUTION 1395.45 FEET *
* FLOW RATE 527 GPM * POWER LAW *

* MUD DATA WEIGHT 8.70 PPG *
* PV 3 CPS *
* YP 4.00 LB/FT2 *
* GEL 1.00 LB/100 FT2 *
* N .5850 *
* K .1563 LB/100 FT2 *

* HOLES VOLUMES WITH PIPES 415.72 BBL *
* WITHOUT PIPES 449.81 BBL *
* ANNULAR 399.50 BBL *
* INSIDE PIPES 16.23 BBL *

FROM	TO	PIPE ID	PIPE OD	HOLE DIAH	P.LOSSES	H.P	TYPE	CRITICAL	MUD FLOW	CUTTINGS VELOCITY
FEET		INCH	INCH	INCH	PSI				GPM	FT/HR

SURF. EGPT					33	10				
DR.STRING	.00	480.00	4.28	5.00	19	6				
DR.STRING	480.00	936.89	3.00	5.00	101	31				
DR.STRING	936.89	1419.08	2.81	7.75	145	44				
*BIT					1811	557	FT/S		482.7	
*ANNULUS	1395.45	1393.00	7.75	12.25	0	0	TU	315.7	143.5	136.5
*ANNULUS	1393.00	913.26	7.75	18.75	0	0	LA	786.7	44.3	40.6
*ANNULUS	913.26	456.37	5.00	18.75	0	0	LA	721.9	39.6	36.2
*ANNULUS	456.37	381.00	5.00	18.75	0	0	LA	721.9	39.6	36.2
*ANNULUS	381.00	.00	5.00	16.75	0	0	LA	682.9	50.5	46.8
* TOTAL*					2109	649				

*ANNULAR PRESSURE LOSSES 1 PSI *

*EQUIV.CIRCULATING DENSITY 8.71 PPG *
* MAX DEPTH 10584.75 *

* MUD LAG TIMES S -> B 1.29 MN *
* B -> S 31.84 MN *

* CUTTINGS DATA SIZE .10 IN *
* DENSITY 20.00 PPG *
* LAG TIME 34.71 MN *
* MAX SLIP VELOCITY 6.97 FT/MN *

* BIT DATA SIZE 12.25 INCH *
* NOZZLES 12 12 13 /32NDS *
* NOZZLES EFFICIENCY 95 % *
* BIT P. LOSSES 1811 PSI *
* H.H.P RATIO 85.85 % *
* BIT H.H.P 4.724 *
* BIT VELOCITY 482.69 FT/S *
