466508

7/ 8/82 TIME 5:45 CAPE SORELL # 1

DEPTH OF EXECUTION 6570.00 FEET
FLOW RATE 552 GPM POWER LAW

MUD DATA	WEIGHT	9.20 PPG
--------	PV	13 CPS
	YP	14.00 LB/FT2
	GEL	5.00 LB/100 FT2
	N	.6699
	K	.3374 LB/100 FT2
HOLES VOLUMES	WITH PIPES	922.41 BBL
----------	WITHOUT PIPES	1022.9 BBL
	ANNULAR	840.02 BBL
	INSIDE PIPES	74.39 BBL

	FROM FEET	TO FEET	PIPE ID INCH	PIPE OD INCH	HOLE DIAM INCH	P.LOSSES PSI	H.P	TYPE	CRITICAL FLOW GPM	MUD VELOCITY FT/MN	CUTTINGS VELOCITY FT/MN
SURF.EQPT						51	16				
DR.STRING	.00	5610.00	3.50	5.00		897	289				
DR.STRING	5610.00	6066.90	3.00	5.00		153	49				
DR.STRING	6066.90	6164.22	2.25	6.25		130	42				
DR.STRING	6164.22	6575.60	2.81	7.75		188	60				
BIT						744	239	FT/S		300.7	
ANNULUS	6570.00	6158.62		7.75	12.25	4	1	LA	677.8	158.3	147.3
ANNULUS	6158.62	6061.30		6.25	12.25	1	0	LA	723.2	121.8	119.1
ANNULUS	6061.30	5604.40		5.00	12.25	2	1	LA	740.8	108.1	105.6
ANNULUS	5604.40	4144.00		5.00	12.25	6	2	LA	740.8	108.1	105.6
ANNULUS	4144.00	381.00		5.00	12.35	15	5	LA	750.2	106.1	103.5
ANNULUS	381.00	-.00		5.00	17.37	1	0	LA	1253.0	48.8	47.0
TOTAL						2191	705				

ANNULAR PRESSURE LOSSES 28 PSI

EQUIV.CIRCULATING DENSITY 9.28 PPG
MAX DEPTH 19800.55

MUD LAG TIMES	S -> B	5.66 MN
----------	B -> S	64.55 MN
CUTTINGS DATA	SIZE	.10 IN
----------	DENSITY	20.00 PPG
	LAG TIME	66.22 MN
	MAX SLIP VELOCITY	3.02 FT/MN
BIT DATA	SIZE	12.25 INCH
--------	NOZZLES	16 16 16 /32NDS
	NOZZLES EFFICIENCY	95 %
	BIT P. LOSSES	744 PSI
	H.H.P RATIO	33.73 %
	BIT H.H.P	2.031
	BIT VELOCITY	300.75 FT/S