

* 8/ 7/82 TIME 11:41

CAPE GORELL # 1

466317

* DEPTH OF EXECUTION 1440.00 FEET *
* FLOW RATE 517 GPM BINGHAM *

* MUD DATA WEIGHT 8.60 PPG *
* PV 1 CPS *
* YP 2.00 LB/FT2 *
* GEL .20 LB/100 FT2 *
* N .4406 *
* K .1794 LB/100 FT2 *

* HOLES VOLUMES WITH PIPES 440.21 BBL *
* WITHOUT PIPES 466.93 BBL *
* ANNULAR 410.02 BBL *
* INSIDE PIPES 21.39 BBL *

FROM	TO	PIPE ID	PIPE OD	HOLE DIAM	P.LOSSES PSI	H.P	TYPE	CRITICAL	MUD	CUTTINGS
FEET	FEET	INCH	INCH	INCH	PSI				GPM	FT/MIN
SURF.EGPT						28	9			
DR.STRING	.00	570.00	4.20	5.00		19	6			
DR.STRING	570.00	1076.09	4.00	5.00		24	7			
DR.STRING	1076.89	1463.94	3.00	7.75		72	22			
*BIT						1400	422	FT/S	426.8	
*ANNULUS	1440.00	1052.95		7.75	12.25	1	0	TU	356.1	140.8 132.6
*ANNULUS	1052.95	720.00		5.00	12.25	0	0	TU	491.6	101.3 94.3
*ANNULUS	720.00	546.06		5.00	20.00	0	0	LA	2961.2	16.7 14.5
*ANNULUS	546.06	381.00		5.00	20.00	0	0	LA	2961.2	16.7 14.5
*ANNULUS	381.00	.00		5.00	16.75	0	0	LA	1000.4	49.6 44.0
TOTAL						1545	466			

* ANNULAR PRESSURE LOSSES 2 PSI *

* EQUIV.CIRCULATING DENSITY 8.62 PPG *
* MAX DEPTH 20874.89 *

* MUD LAG TIMES S -> B 1.74 MIN *
* B -> S 34.02 MIN *

* CUTTINGS DATA SIZE .10 IN *
* DENSITY 20.00 PPG *
* LAG TIME 38.51 MIN *
* MAX SLIP VELOCITY 0.17 FT/MIN *

* BIT DATA SIZE 12.25 INCH *
* NOZZLES 13 13 13 /32NDS *
* NOZZLES EFFICIENCY 75 % *
* BIT P. LOSSES 1400 PSI *
* H.H.P RATIO 90.62 % *
* BIT H.H.P 3.582 *
* BIT VELOCITY 426.84 FT/S *