

* 31/ 0/82 TIME 5:39

CAPE GORELL # 1

466646

* DEPTH OF EXECUTION 11301.77 FEET
* FLOW RATE 325 GPM POWER LAW *

* MUD DATA WEIGHT 9.55 PPG
* ----- PV 14 CPS
* YP 7.00 LB/FT2
* GCL 2.00 LB/100 FT2
* N .7965
* K .1323 LB/100 FT2

* HOLES VOLUMES WITH PIPES 765.77 BBL
* ----- WITHOUT PIPES 919.94 BBL
* ANNULAR 635.70 BBL
* INSIDE PIPES 130.87 BBL

* FROM	TO	* PIPE ID	* PIPE OD	* HOLE DIAM	* P.LOSSES	* H.P	* TYPE	* CRITICAL	* MUD FLOW	* CUTTINGS VELOCITY
FEET		INCH	INCH	INCH	PSI				GPM	FT/MN
* SURF. CPT					21	4				
* DR. STRING	.00	3047.68	3.50	5.00	248	47				
* DR. STRING	3047.68	10357.68	3.50	5.00	420	80				
* DR. STRING	10357.68	10015.35	3.00	5.00	62	12				
* DR. STRING	10015.35	11300.47	2.25	6.25	300	50				
* BIT					846	160	FT/S		314.9	
* ANNULUS	11381.77	10000.63	6.25	8.50	10	2	TU	276.9	240.0	234.5
* ANNULUS	10000.63	10350.96	5.00	8.50	3	0	TU	294.2	160.6	163.3
* ANNULUS	10350.96	9002.00	5.00	8.50	8	1	TU	294.2	160.6	163.3
* ANNULUS	9002.00	3040.96	5.00	8.75	23	4	TU	306.8	154.5	149.3
* ANNULUS	3040.96	301.00	5.00	8.75	15	3	TU	306.8	154.5	149.3
* ANNULUS	301.00	.00	5.00	17.37	0	0	LA	747.5	20.0	26.1
* TOTAL					1964	372				

* ANNULAR PRESSURE LOSSES 59 PSI

* EQUIV. CIRCULATING DENSITY 9.65 PPG
* MAX DEPTH 39400.21

* MUD LAG TIMES S -> B 16.81 MN
* ----- B -> S 82.15 MN

* CUTTINGS DATA SIZE .10 IN
* ----- DENSITY 20.00 PPG
* LAG TIME 85.86 MN
* MAX SLIP VELOCITY 5.53 FT/MN

* BIT DATA SIZE 8.50 INCH
* ----- NOZZLES 12 12 12 /32NDS
* NOZZLES EFFICIENCY 95 %
* BIT P. LOSSES 846 PSI
* H.H.P. RATIO 43.07 %
* BIT H.H.P. 2.827
* BIT VELOCITY 314.91 FT/S