
* 12/ 7/82 TIME 23:40

CAPE SOPELL # 1

466231

* DEPTH OF EXECUTION 2017.03 FEET *
* FLOW RATE 550 GPM BINGHAM *

* MUD DATA WEIGHT 8.60 PPG *
* ----- PV 3 CPS *
* YP 1.00 LB/FT2 *
* GEL 1.00 LB/100 FT2 *
* N 1.0000 *
* K .0059 LB/100 FT2 *

* HOLES VOLUMES WITH PIPES 501.89 BBL *
* ----- WITHOUT PIPES 540.42 BBL *
* ANNULAR 475.01 BBL *
* INSIDE PIPES 26.00 BBL *

* FROM	TO	* PIPE ID	* PIPE OD	* HOLE DIAM	* P. LOSSES	* H.P.	* TYPE	* CRITICAL	* MUD FLOW	* CUTTINGS VELOCITY
FEET	FEET	INCH	INCH	INCH	PSI				GPM	FT/MIN
* SURF. EGPT *					39	12				
* DR. STRING *	.00	1080.00	4.20	5.00	50	16				
* DR. STRING *	1080.00	1536.89	3.00	5.00	116	37				
* DR. STRING *	1536.89	2019.00	2.81	7.75	167	54				
* BIT *					43	14			74.9	
* ANNULUS *	2017.03	1534.04	7.75	12.25	2	0	TU	266.6	149.8	137.8
* ANNULUS *	1534.04	1393.00	5.00	12.25	0	0	TU	360.1	107.8	95.8
* ANNULUS *	1393.00	1077.95	5.00	18.75	0	0	LA	920.0	41.3	29.3
* ANNULUS *	1077.95	381.00	5.00	18.75	0	0	LA	920.0	41.3	29.3
* ANNULUS *	381.00	-.00	5.00	16.75	0	0	LA	723.0	52.7	40.7
* TOTAL *					417	134				

* ANNULAR PRESSURE LOSSES 2 PSI *

* EQUIV. CIRCULATING DENSITY 8.62 PPG *
* MAX DEPTH 23136.00 *

* MUD LAG TIMES S -> B 2.05 MN *
* ----- B -> S 36.27 MN *

* CUTTINGS DATA SIZE .10 IN *
* ----- DENSITY 20.00 PPG *
* LAG TIME 40.93 MN *
* MAX SLIP VELOCITY 12.02 FT/MIN *

* BIT DATA SIZE 12.25 INCH *
* ----- NOZZLES 32 32 32 /32NDS *
* NOZZLES EFFICIENCY 95 % *
* BIT P. LOSSES 43 PSI *
* H.H.P. RATIO 10.34 % *
* BIT H.H.P. .117 *
* BIT VELOCITY 74.94 FT/S *
