ON-LINE TDC
GEOSERVICES

HYDRAULIC REPORT

466500

6/ 8/82 TIME 5:39

CAPE GORELL # 1

DEPTH OF EXECUTION 7639.46 FEET
FLOW RATE 556 GPM

POWER LAW

MUD DATA	WEIGHT	9.15 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	1105.7 BBL
----------	WITHOUT PIPES	1178.8 BBL
	ANNULAR	978.98 BBL
	INSIDE PIPES	126.76 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	17				
DR.STRING	.00	6720.00	4.28	5.00		414	134				
DR.STRING	6720.00	7176.90	3.00	5.00		154	50				
DR.STRING	7176.90	7274.22	2.25	6.25		131	42				
DR.STRING	7274.22	7655.22	2.81	7.75		175	57				
BIT						750	243	FT/S		302.9	
ANNULUS	7639.46	7258.46		7.75	12.25	3	1	LA	680.0	151.3	148.3
ANNULUS	7258.46	7161.14		6.25	12.25	1	0	LA	726.4	122.7	120.0
ANNULUS	7161.14	6704.24		5.00	12.25	2	1	LA	744.0	108.9	106.4
ANNULUS	6704.24	4144.00		5.00	12.25	11	3	LA	744.0	108.9	106.4
ANNULUS	4144.00	381.00		5.00	12.35	15	5	LA	753.4	106.8	104.3
ANNULUS	381.00	-.00		5.00	17.37	1	0	LA	1258.4	49.2	47.3
TOTAL						1709	554				

ANNULAR PRESSURE LOSSES 33 PSI

EQUIV.CIRCULATING DENSITY 9.23 PPG
MAX DEPTH 31252.97

MUD LAG TIMES	S -> B	9.58 MN
----------	B -> S	73.99 MN
CUTTINGS DATA	SIZE	.10 IN
----------	DENSITY	20.00 PPG
	LAG TIME	75.89 MN
	MAX SLIP VELOCITY	3.04 FT/MN
BIT DATA	SIZE	12.25 INCH
--------	NOZZLES	16 16 16 /32NDS
	NOZZLES EFFICIENCY	95 %
	BIT P. LOSSES	750 PSI
	H.H.P RATIO	43.87 %
	BIT H.H.P	2.063
	BIT VELOCITY	302.08 FT/S