ON-LINE TDC
GEOSERVICES

HYDRAULIC REPORT

466428

* 28/ 7/82 TIME 5:28 CAPE SORELL # 1

DEPTH OF EXECUTION	4730.35	FEET	
FLOW RATE	537	GPM	POWER LAW

MUD DATA		
	WEIGHT	9.30 PPG
	PV	15 CPS
	YP	10.00 LB/FT2
	GEL	3.00 LB/100 FT2
	N	.7500
	K	.2047 LB/100 FT2

HOLES VOLUMES		
	WITH PIPES	700.37 BBL
	WITHOUT PIPES	754.75 BBL
	ANNULAR	625.31 BBL
	INSIDE PIPES	75.06 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						50	16				
DR.STRING	.00	3806.19	4.28	5.00		230	72				
DR.STRING	3806.19	4263.09	3.00	5.00		151	47				
DR.STRING	4263.09	4358.34	2.25	6.25		126	39				
DR.STRING	4358.34	4747.62	2.81	7.75		176	55				
BIT						1215	381	FT/S		382.5	
ANNULUS	4730.35	4341.07		7.75	12.25	3	1	LA	593.9	146.3	143.0
ANNULUS	4341.07	4245.82		6.25	12.25	0	0	LA	616.3	110.6	115.6
ANNULUS	4245.82	4144.00		5.00	12.25	0	0	LA	619.9	105.3	102.4
ANNULUS	4144.00	3788.92		5.00	12.35	1	0	LA	626.9	103.3	100.4
ANNULUS	3788.92	381.00		5.00	12.35	9	3	LA	626.9	103.3	100.4
ANNULUS	381.00	.00		5.00	17.37	0	0	LA	995.7	47.6	45.2
TOTAL						1963	615				

ANNULAR PRESSURE LOSSES 14 PSI

EQUIV.CIRCULATING DENSITY 9.35 PPG

MAX DEPTH 20611.40

MUD LAG TIMES		
	S -) B	5.87 MN
	B -) S	48.88 MN

CUTTINGS DATA		
	SIZE	.10 IN
	DENSITY	20.00 PPG
	LAG TIME	50.46 MN
	MAX SLIP VELOCITY	3.34 FT/MN

BIT DATA		
	SIZE	12.25 INCH
	NOZZLES	14 14 14 /32NDS
	NOZZLES EFFICIENCY	95 %
	BIT P. LOSSES	1215 PSI
	H.H.P RATIO	61.91 %
	BIT H.H.P	3.232
	BIT VELOCITY	382.47 FT/S