Seismograph Service (England) Limited

VELOCITY LOG

LINEAR TIME SCALE

COMPANY	NORSK HYDRO A/S
WELL	31/3-2
FIELD	TROLL
COUNTRY	NORWAY NORTH SEA
LOCATION	60° 52′ 11.41″N 03° 40′ 41.79″E
CALIBRATION	2.4.84

PERMANENT DATUM	MSL	**ELEV.**	**ELEVATIONS A.M.S.L.**	
LOG MEASURED FROM	KELLY BUSHING		**K.B.**	21 m
DRILLING MEASURED FROM	KELLY BUSHING		**D.F.**	21 m
TOTAL TRAVEL TIME REFERRED TO	MSL		**G.L.**	-344 m

DATE	10.3.84	18.3.84	31.3.84			
RUN NUMBER Sonic	1A	2B	4C			
DEPTH DRILLER	625 m	1515 m	2090 m			
DEPTH LOGGER	625 m	1494 m	2088 m			
TOP LOGGED INTERVAL	451 m	610 m	1502 m			
BOTTOM LOGGED INTERVAL	622.5 m	1491 m	2085 m			
CASING DRILLER	451 m	610 m	1502 m			
CASING LOGGER	451 m	610 m	1502 m			
TYPE FLUID IN HOLE	SPUD MUD BENTONITE/BARITE	KCL POLYMER	KCL POLYMER			
DENSITY LB/GAL	11.2	10.8	1.2 gr/cc			
LOGGING SPEED						
MAX. REC. TEMP. DEG. F.		105	121			
OPERATING RIG TIME						
RECORDED BY	GALFOS	GALFOS BERNAL	GALFOS AFYOONI			

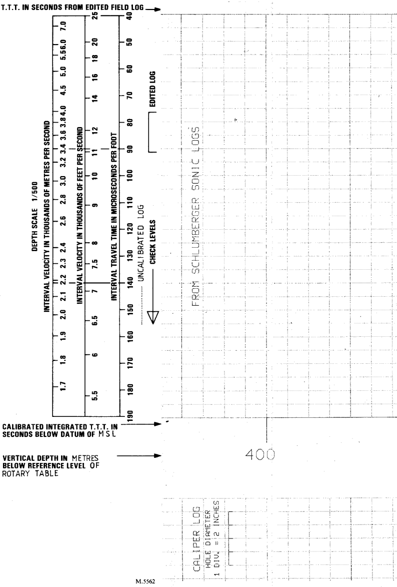
RUN No.	BOREHOLE RECORD		CASING RECORD	
	BIT (IN.)	DEPTH m	SIZE (IN.)	DEPTH m
1A	36	451		
1A	17.5	625	30	451
2B	17.5	1515	20	610
4C	12.25	2090	13.375	1502

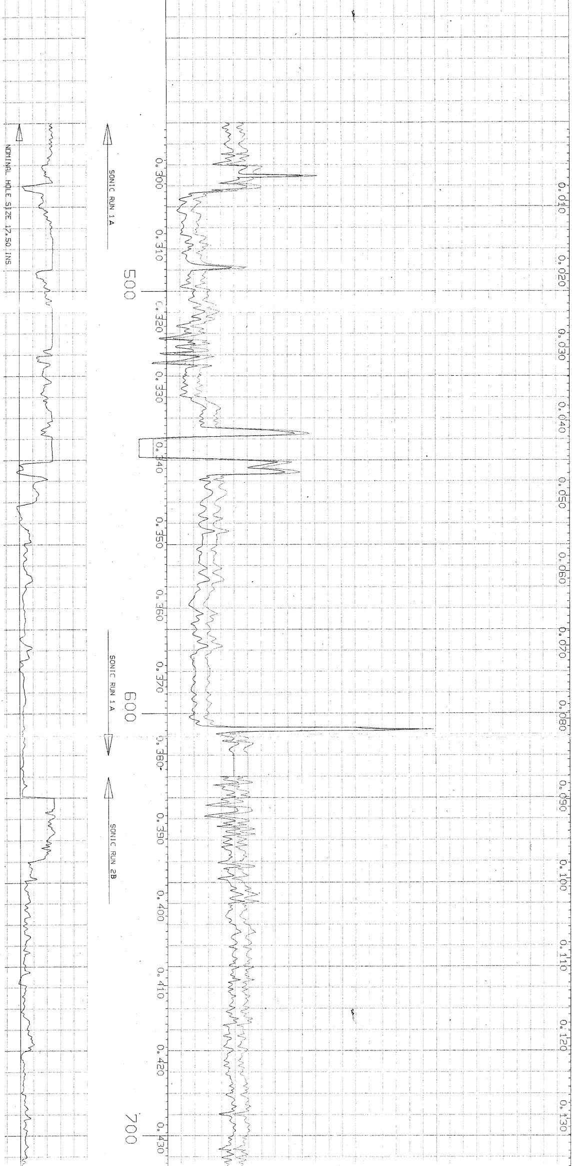
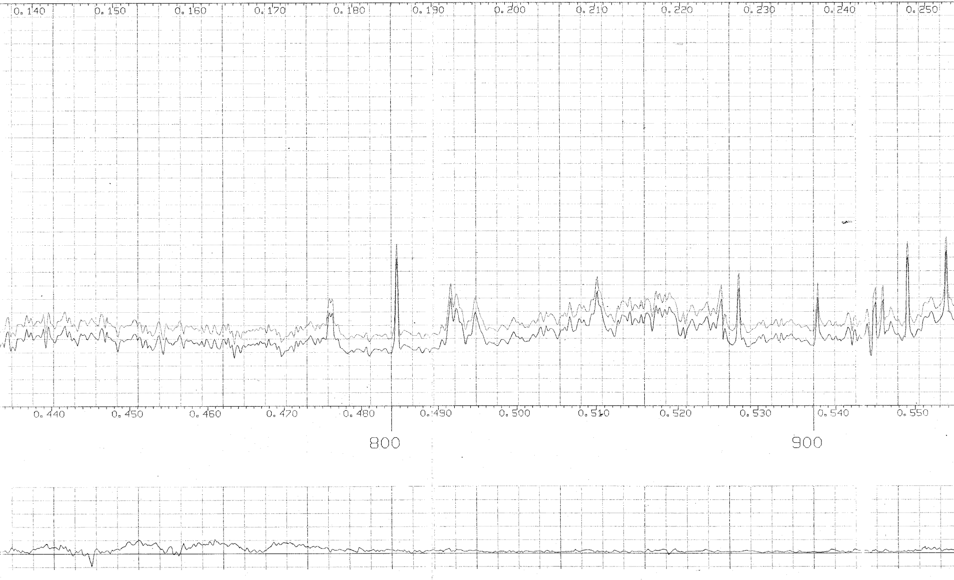
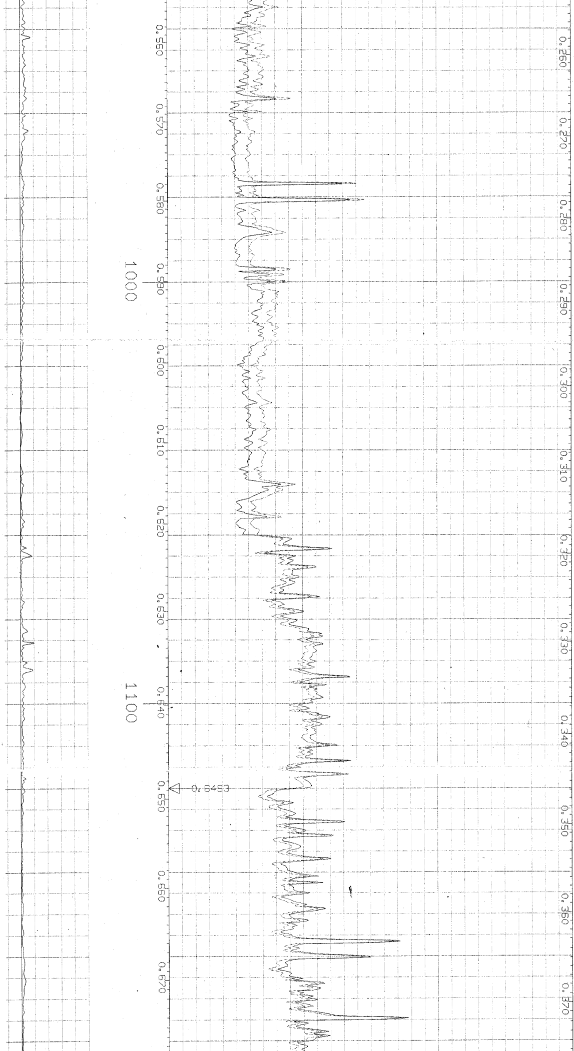
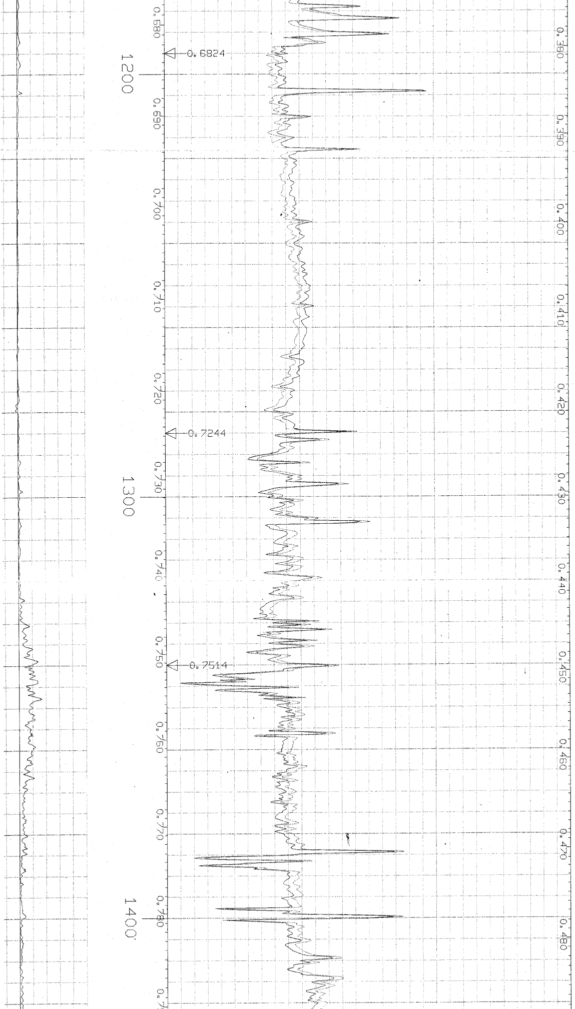
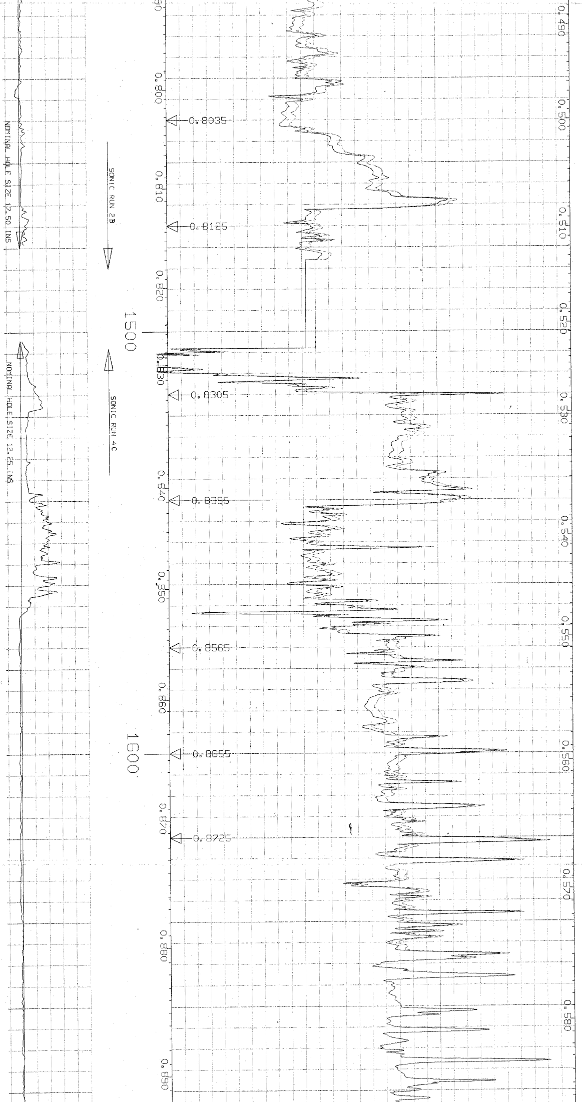
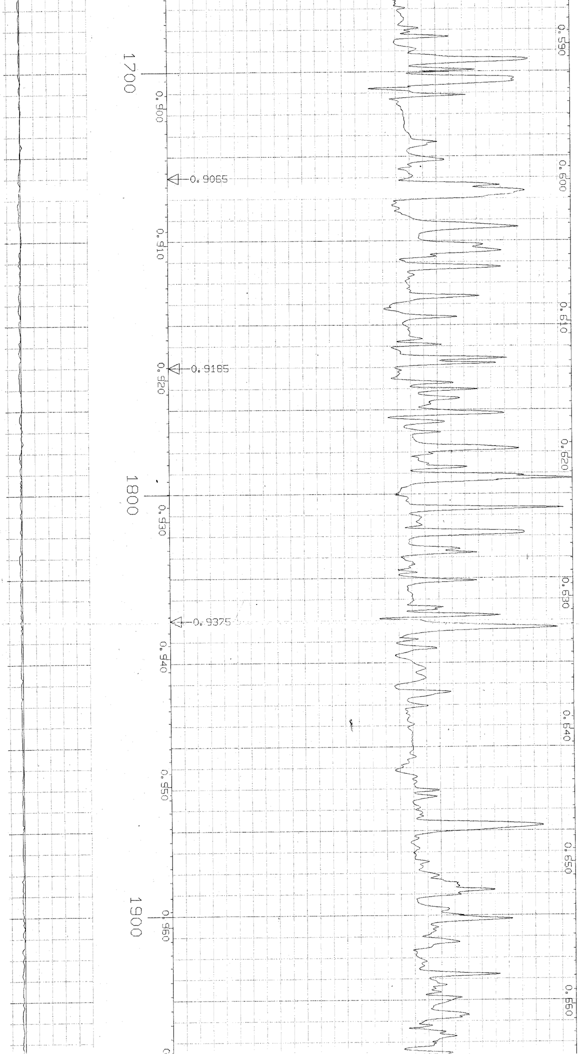
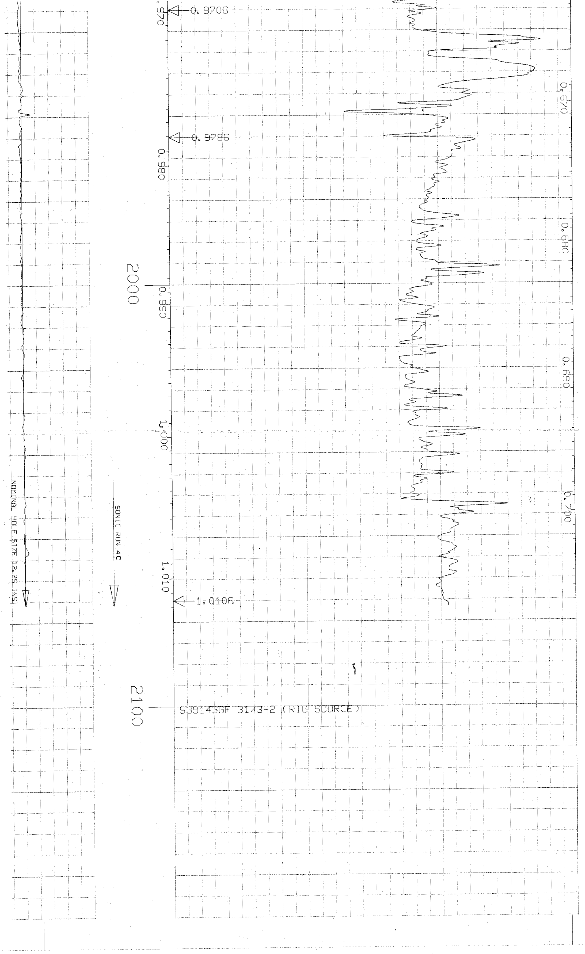
REMARKS

There are gaps of 5 and 19 m between sonic runs 1A and 2B and 2B and 4C respectively. Straight lines have been drawn across these gaps at the general velocity of the adjacent log and the log has been treated as continuous for calibration purposes.

CORRECTIONS APPLIED

VERTICAL DEPTHS m	INTERVAL TIME CORRECTION
460 - 1060	5.3 μs/ft linear
1060 - 1284	97.8% differential
1284 - 1649	3.6 μs/ft linear
1649 - 2076	Zero



M.5562