GEOGRAM

SYNTHETIC SEISMOGRAM

Schlumberger
Computer Processed Interpretation

COMPUTED USING THE FOLLOWING SERVICES

SONIC ☒ DENSITY ☒ WST ☒ DIPMETER ☐

COMPANY STATOIL

WELL 15/9-14

FIELD SLEIPNER

COUNTRY NORWAY

LOCATION COORDINATES

COMPUTING CENTER SKJ JOB REF S50059

ANALYST S. KHAN DATE 28-OCT-82

FOLD HERE: The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

LOG INFORMATION

TRUE VERTICAL DEPTH CORRECTION	YES ☐ NO ☒	UNIT FEET ☐	METERS ☒
SONIC TOOL SPACING	3,5	SONIC SONDE TYPE	BHC
SONIC LOG CORRECTED BY WST	YES ☒ NO ☐		
SONIC TOP READING	244	BOTTOM READING	3548
DENSITY TOP READING	244	BOTTOM READING	3548
DENSITY LOG CORRECTED BY CORIBAND ☐	ANALYST ☒	SARABAND ☐	
DENSITY TOOL TYPE	LDT		

STRUCTURAL DIP INPUT DATA

From depth	To depth	Dip	Azimuth

INFORMATION PROVIDED BY CLIENT YES ☐ NO ☐

GEOGRAM

SEISMIC REFERENCE DATUM MSL

WAVELET FREQUENCIES 20 Hz ZERO PHASE ☐ MINIMUM PHASE ☒ OTHER ☐

POLARITY NORMAL ☐ REVERSE ☒ SHORT MULT. TAT 32 ms

NOTE THE WAVELET PRESENTED CORRESPONDS TO A REFLECTION COEF. OF 0.5

AZIMUTH OF SEISMIC LINE ☐ DEG. NORTH DISTANCE BETWEEN TRACES ☐

DISTANCE OF WELL TO SEISMIC LINE ☐ GEOGRAM SAMPLING RATE 2.0 ms

REMARKS

SCALE 10 cm/s.
DENSITY LOG CORRECTED USING BADHOLE FUNCTION.
TIME VARIENT FILTER AS ON SURFACE SEISMIC:

T.V.F.

TIME	FREQUENCY
0 - 0.4 ms	15 , 50 Hz
0.4 - 1.8 ms	10 , 40 Hz
1.8 - 2.5 ms	8 , 40 Hz
2.5 - 5.0 ms	8 , 30 Hz

SURFACE REFLECTION COEFFICIENT = -0.2

LOGS

GEOGRAM

DEPTH (SRD)

AIMP (GM/CC*FT/S) 5000 7000

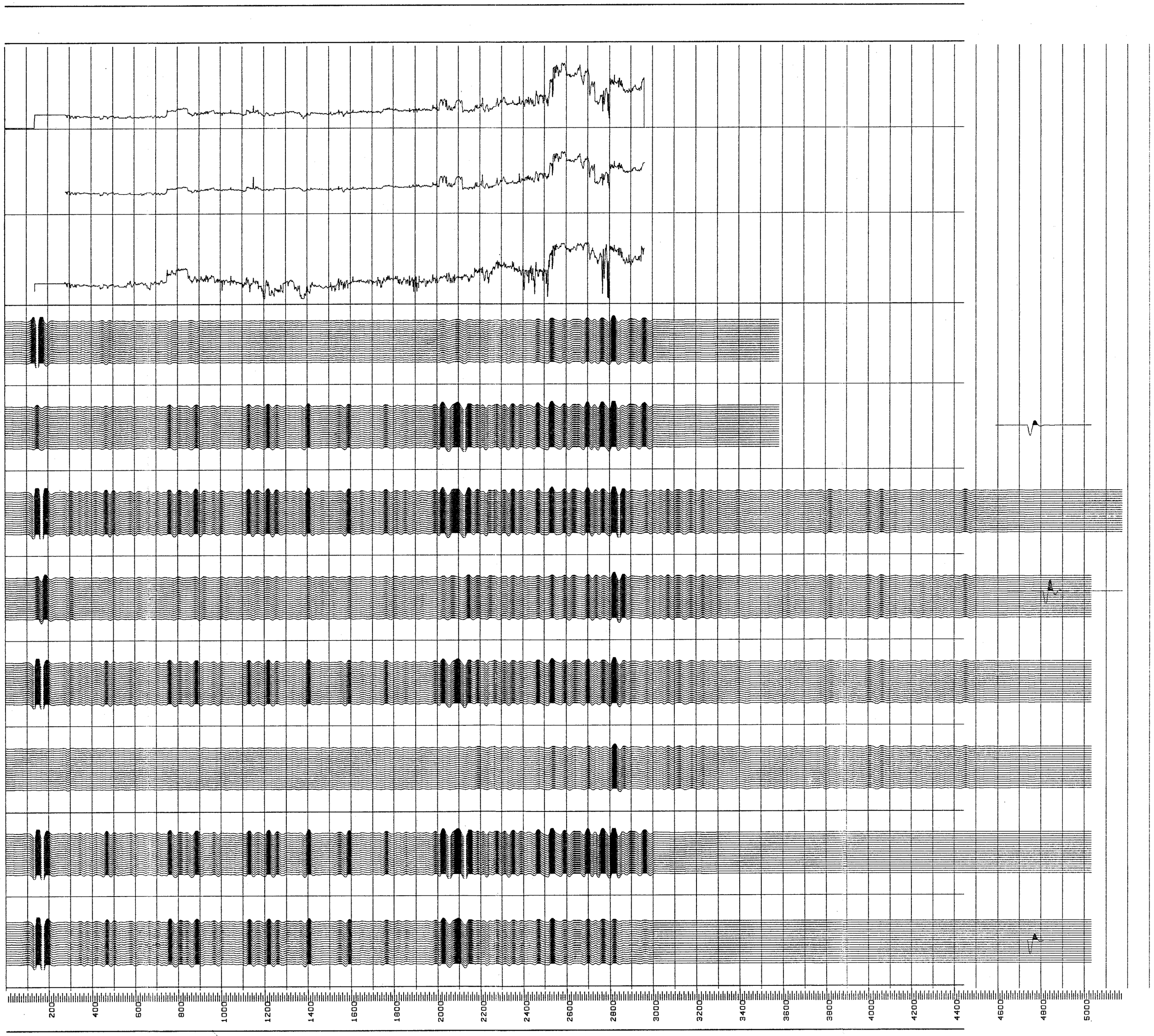
WSTI (M/S) 3000

RHOB (GM/CC) 1.8

WAVELET FREQ. 20 Hz
MULT ONLY
SHORT TERM
POLAR. NORMAL ☐ REVERSE ☒ MIN. PHASE ☒ ZERO PHASE ☐
PRIM + MULT
SHORT TERM

WAVELET FREQ. 20 Hz
PRIM + MULT
GHOST
POLAR. NORMAL ☐ REVERSE ☒ MIN. PHASE ☒ ZERO PHASE ☐
MULTIPLES
GHOST

WAVELET FREQ. 20 Hz
PRIM + MULT
POLAR. NORMAL ☐ REVERSE ☒ MIN. PHASE ☒ ZERO PHASE ☐
MULT ONLY

WAVELET FREQ. 20 Hz
PRIM. WITHOUT TRANS.LOSS.
POLAR. NORMAL ☐ REVERSE ☒ MIN. PHASE ☒ ZERO PHASE ☐
PRIMARIES WITH TRANS.LOSS.

TWO WAY (SRD) TIME