

SANTOS & PARTNERS

WELL NAME: MARTHA-1
ZERO OFFSET VSP SURVEY

ENCLOSURE 3

VELOCITY CURVES & TIME-DEPTH CURVE

SHOT BY BAKER ATLAS
PROCESSED BY VSFUSION
VSFUSION PROJECT CODE SNT03

01 NOVEMBER, 2004
NOVEMBER, 2004

ACQUISITION INFORMATION

-CABLE-

ROTARY TABLE (RT) ELEVATION 21.5 M ABOVE MSL
WATER DEPTH 54.66 M BELOW MSL
MINIMUM DEPTH (RT) 75.0 M
MAXIMUM DEPTH (RT) 1785.0 M

-SOURCE-

ENERGY SOURCE SLEEVE GUN ARRAY
NUMBER OF GUN 2 X 150 CU IN
TOTAL GUN VOLUME 300 CU IN
GUN DEPTH 5.0 M BELOW MSL
SOURCE DISTANCE FROM WELLHEAD 46.3 M
SOURCE AZIMUTH FROM WELLHEAD 328.0 DEG. N

-INSTRUMENTS-

RECORDING SYSTEM SA2D
SAMPLING INTERVAL 1 MS
RECORD LENGTH 4.0 SECONDS
DOWNHOLE RECEIVER TYPE AWS 1300 GM
ELECTRIC LOGGING COMPANY BAKER ATLAS

PROCESSING SEQUENCE

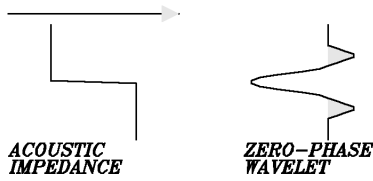
1. RAW DATA EDIT AND STACKING
2. GEOMETRY SURVEY APPLIED
3. FIRST BREAK/FIRST TIME ARRIVAL PICKING
4. VELOCITY COMPUTATIONS

COMMENTS

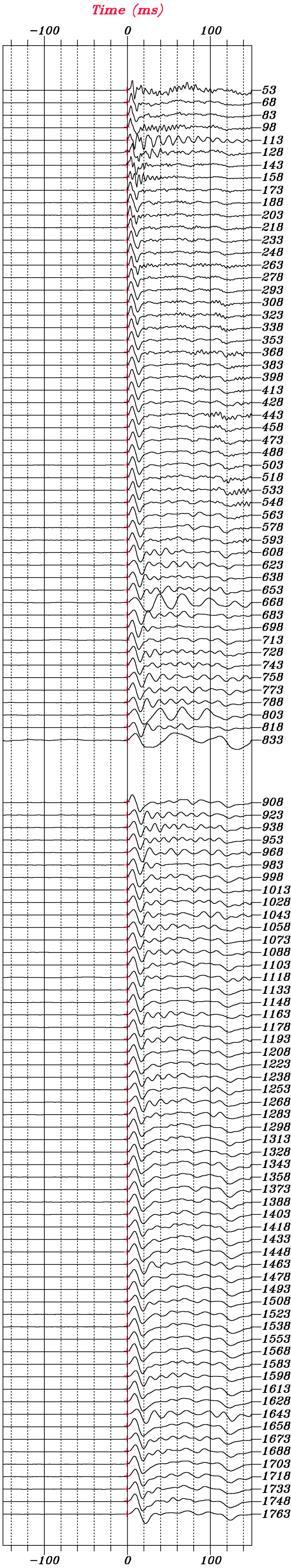
SEISMIC REFERENCE DATUM IS MSL
REPLACEMENT VELOCITY = 1500 M/SEC.
VERTICAL DEPTH SCALE IS 100 M/INCH.

DISPLAY CONVENTION

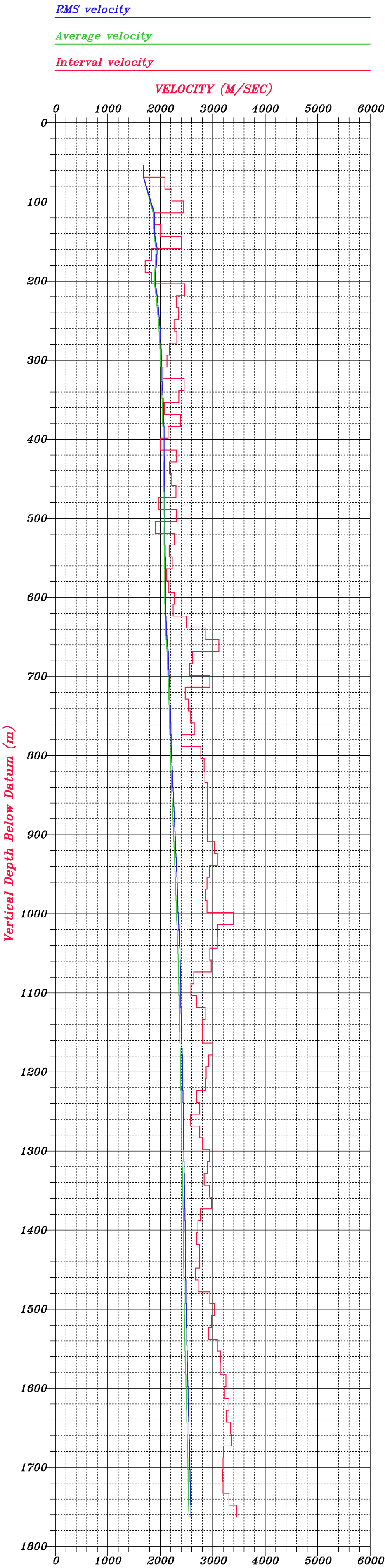
NORMAL POLARITY
AN INCREASE IN ACOUSTIC IMPEDANCE
IS DISPLAYED AS A TROUGH



CHECKSHOT DATA ALIGNED
WELL : MARTHA-1



VELOCITY CURVES
WELL : MARTHA-1



TIME-DEPTH CURVE
WELL : MARTHA-1

