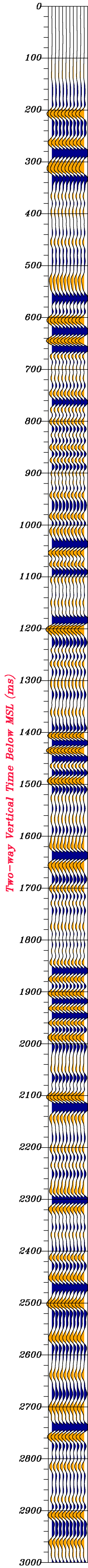
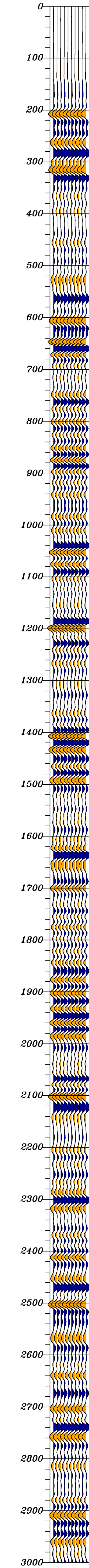


SANTOS & PARTNERS	
WELL NAME: MARTHA-1 ZERO OFFSET VSP SURVEY	
ENCLOSURE 6C	
CORRIDOR STACK	
SHOT BY BAKER ATLAS PROCESSED BY VSFUSION VSFUSION PROJECT CODE SNT03	01 NOVEMBER, 2004 NOVEMBER, 2004
ACQUISITION INFORMATION	
-CABLE-	
ROTARY TABLE (RT) ELEVATION WATER DEPTH MINIMUM DEPTH (RT) MAXIMUM DEPTH (RT)	21.5 M ABOVE MSL 54.66 M BELOW MSL 75.0 M 1785.0 M
-SOURCE-	
ENERGY SOURCE NUMBER OF GUN TOTAL GUN VOLUME GUN DEPTH SOURCE DISTANCE FROM WELLHEAD SOURCE AZIMUTH FROM WELLHEAD	SLEEVE GUN ARRAY 2 X 150 CU IN 300 CU IN 5.0 M BELOW MSL 46.3 M 328.0 DEG. N
-INSTRUMENTS-	
RECORDING SYSTEM SAMPLING INTERVAL RECORD LENGTH DOWNHOLE RECEIVER TYPE ELECTRIC LOGGING COMPANY	SA2D 1 MS 4.0 SECONDS AWS 1300 GM BAKER ATLAS
VSP PROCESSING SEQUENCE	
1. CONVERT FROM SEG-Y FORMAT TO SEISLINK-X FORMAT 2. EDIT/SUM/PICK ARRIVALS 3. GEOMETRY SURVEY APPLIED 4. VELOCITY ANALYSIS 5. FK ANALYSIS TO DETERMINE FREQUENCY CONTENTS 6. SPHERICAL DIVERGENCE-GEOMETRY SPREADING CORRECTION: T**1.5 7. TUBEWAVE SUBTRACTION WITH DIP MEDIAN FILTER 8. ESTIMATION OF DOWNGOING P-WAVES FROM VERTICAL COMPONENT FIRST BREAK ALIGNED AT 200 MSEC. 9. EXTRACT OF DOWNGOING P-WAVES WITH 7-POINT MEDIAN FILTER 10. ZERO BANDPASS FILTER 5/10 - 80/120HZ 11. SHIFT UPGOING WAVES TO TWO-WAY VERTICAL TIME BELOW DATUM 12. VSP DECONVOLUTION OF UPGOING WAVES : DECON OPERATOR DESIGNED USING 800 MSEC OF DOWNWAVES TO SHAPE WAVETRAIN TO A SPIKE 13. ZERO BANDPASS FILTER 5/10 - 70/105 HZ 14. ENHANCEMENT OF DECONVOLVED UPWAVES WITH 7-POINT MEDIAN FILTER 15. CORRIDOR WINDOW MUTE 16. CORRIDOR STACK 17. ZERO PHASE BANDPASS FILTER AS ON DISPLAY 18. AUTOMATIC GAIN CONTROL (AGC) WITH WINDOW LENGTH 300 MSEC	
COMMENTS	
SEISMIC REFERENCE DATUM IS MSL REPLACEMENT VELOCITY = 1500 M/SEC. TWO-WAY VERTICAL TIME IS REFERENCED BELOW DATUM OF MSL TWO-WAY VERTICAL TIME SCALE IS 20 CM/SEC.	
DISPLAY CONVENTION	
NORMAL POLARITY AN INCREASE IN ACOUSTIC IMPEDANCE IS DISPLAYED AS A TROUGH	
<div><div>ACOUSTIC IMPEDANCE</div><div>ZERO-PHASE WAVELET</div></div>	

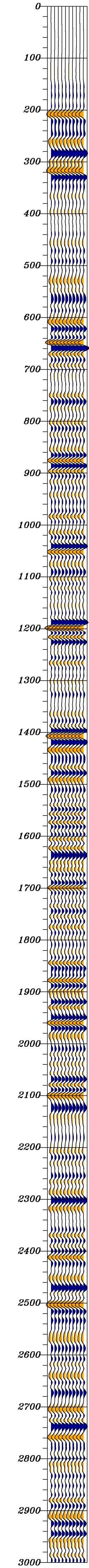
BPF 5/10-30/50 Hz
Normal Polarity



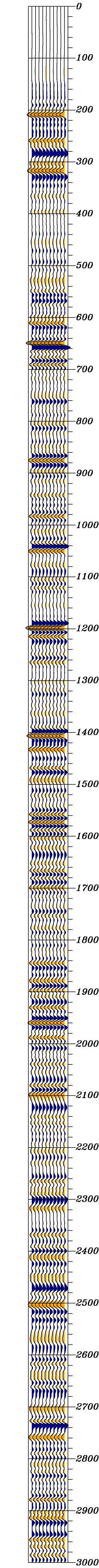
BPF 5/10-40/60 Hz
Normal Polarity



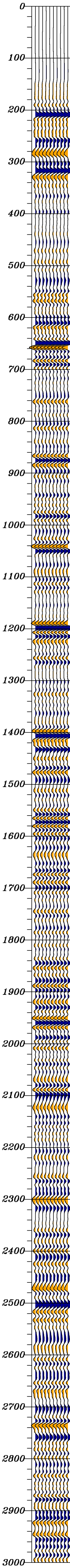
BPF 5/10-50/75 Hz
Normal Polarity



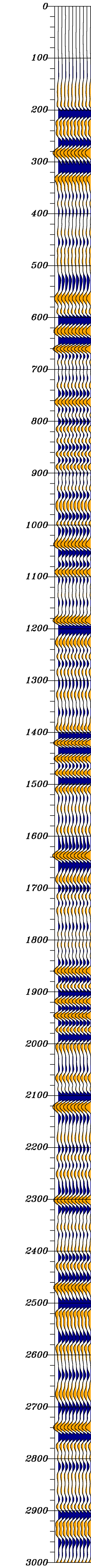
RAW STACK
Normal Polarity



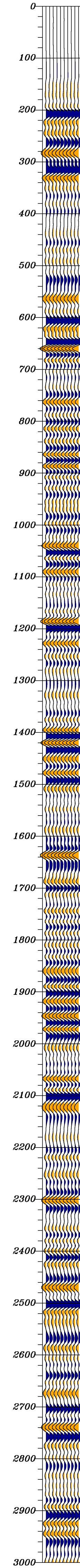
RAW STACK
Reverse Polarity



BPF 5/10-30/50 Hz
Reverse Polarity



BPF 5/10-40/60 Hz
Reverse Polarity



BPF 5/10-50/75 Hz
Reverse Polarity

