

BASS STRAIT OIL COMPANY

WELL NAME: MOBY-1
ZERO OFFSET VSP SURVEY

ENCLOSURE 6B

FINAL VSP & CORRIDOR STACK DISPLAY
(FILTER TRIALS)

SHOT BY BAKER ATLAS 13 OCTOBER, 2004
 PROCESSED BY VSFUSION OCTOBER, 2004
 PROJECT CODE B50C01

ACQUISITION INFORMATION

-CABLE-
 DRILL FLOOR (DF) ELEVATION 22 M ABOVE MSL
 WATER DEPTH (DW) 53.9 M BELOW MSL
 MINIMUM DEPTH (DF) 90 M
 MAXIMUM DEPTH (DF) 650 M

-SOURCE-
 ENERGY SOURCE SLEEVE GUN
 NUMBER OF GUN 4
 TOTAL GUN VOLUME 800 CU. IN
 GUN DEPTH 5 M BELOW MSL
 SOURCE DISTANCE FROM WELLHEAD 46.3 M
 SOURCE AZIMUTH FROM WELLHEAD 193.7 DEG. N

-INSTRUMENTS-
 RECORDING SYSTEM DSS 16CH A/D
 SAMPLING INTERVAL 1 MS
 RECORD LENGTH 4 SECONDS
 DOWNHOLE RECEIVER TYPE AWS 1300 GM
 ELECTRIC LOGGING COMPANY BAKER ATLAS

ZVSP PROCESSING SEQUENCE

1. CONVERT FROM SEG-Y FORMAT TO SEISLINK-X FORMAT
2. EDIT/SUM/PICK ARRIVALS
3. GEOMETRY SURVEY APPLIED
4. VELOCITY COMPUTATIONS
5. SPHERICAL DIVERGENCE-GEOMETRY SPREADING CORRECTION (T**1.7)
6. FK ANALYSIS TO DETERMINE FREQUENCY CONTENTS
7. ESTIMATION OF DOWNGOING P-WAVES :
 FIRST BREAK ALIGNED AT 200 MSEC.
8. SUBTRACTION OF DOWNGOING P-WAVES WITH 9-TRACE MEDIAN FILTER
9. ZERO BANDPASS FILTER : 5, 10 - 120, 180 HZ
10. SHIFT UPGOING WAVES TO TWO-WAY VERTICAL TIME BELOW DATUM
11. VSP DECONVOLUTION OF UPGOING WAVES :
 DECON OPERATOR DESIGNED USING 500 MSEC OF DOWNWAVES
 TO SHAPE WAVETRAIN TO A SPIKE
12. ENHANCEMENT OF DECONVOLVED UPWAVES USING 9-POINT MEDIAN FILTER
13. AUTOMATIC GAIN CONTROL (AGC) 700 MSEC
14. CORRIDOR WINDOW MUTE
15. CORRIDOR STACK
16. BANDPASS FILTER AS IN THE DISPLAY

COMMENTS

SEISMIC REFERENCE DATUM IS MEAN SEA LEVEL (MSL)
 WATER 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

