



MELBOURNE LOG  
INTERPRETATION  
CENTRE

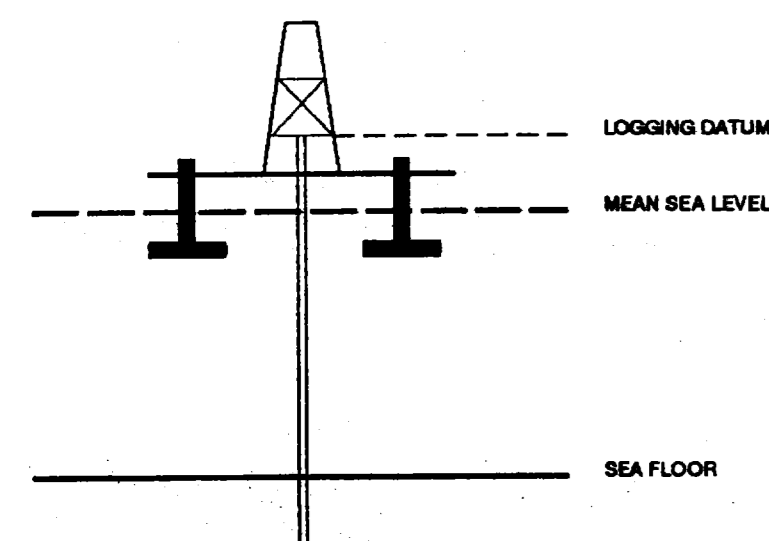
**VERTICAL  
SEISMIC  
PROFILE**



**ZERO OFFSET VSP PLOT 6**  
NORMAL POLARITY 20 CM/SEC  
VSP AND GEORAM COMPOSITE

Company: BHP PETROLEUM PTY. LTD.  
Well: CHAMPION-1  
Field: WILDCAT  
Country: AUSTRALIA  
Reference No: SYJ-561142/561143 Interval: 1845.00 to 1220.00  
Date Logged: 15 AUG. 1995 Date Processed: 17 AUG 1995  
Location: 038 32' 33.054" S 142 23' 18.066" E  
Elevations: KB: 25.30 DF: 25.00 GL: -54.00  
Permanent Datum: MSL Depth Units: METRES  
FIELD RECORDING: Engineer: R.JONSSON Location: Program Version: 700-427  
COMPUTATION: Analyst: S.TCHERKASHNEV Centre: SYJ Baseline: 205

ELEVATION ABOVE MEAN SEA LEVEL  
Logging Datum: 25.30  
Seismic Reference Datum: 0.00



Total Number of Levels: 45  
Depth Reference: SRD  
Time Reference: SRD

| Run | Date     | Tool Type | BT Size/ Depth | Casing Size/ Depth | Top Depth | Bottom Depth |
|-----|----------|-----------|----------------|--------------------|-----------|--------------|
| 1   | 15-07-95 | DLL       | 12.25 M        | 13.3 IN/1216 M     | 1216 M    | 1858 M       |

| VSP Run | Date     | Gun Offset | Hydro Offset | Gun Elevation | Hydro Elevation | Gun Azimuth | Hydro Azimuth |
|---------|----------|------------|--------------|---------------|-----------------|-------------|---------------|
| 1       | 15-07-95 | 45 M       | 45 M         | 5 M BELOW MSL | 10 M BELOW MSL  | 90 DEG      | 90 DEG        |

**WAVESHAPING**  
WAVESHAPING DECONVOLUTION  
ZERO PHASE ( 7-95 HZ )  
ENHANCED UPGOING WAVEFIELD  
VERTICAL SCALE : 20 CM/SEC  
POLARITY (S.E.G.) : NORMAL

**CORRIDOR STACK**

**CORRIDOR STACK + AGC**  
200 MS AGC WINDOW

**GEOGRAM 45 HZ.**  
ZERO PHASE - NORMAL POLARITY

**GEOGRAM 35 HZ.**  
ZERO PHASE - NORMAL POLARITY

**GEOGRAM 25 HZ.**  
ZERO PHASE - NORMAL POLARITY

**INVERTED IMPEDANCE**

**LOGGED IMPEDANCE**

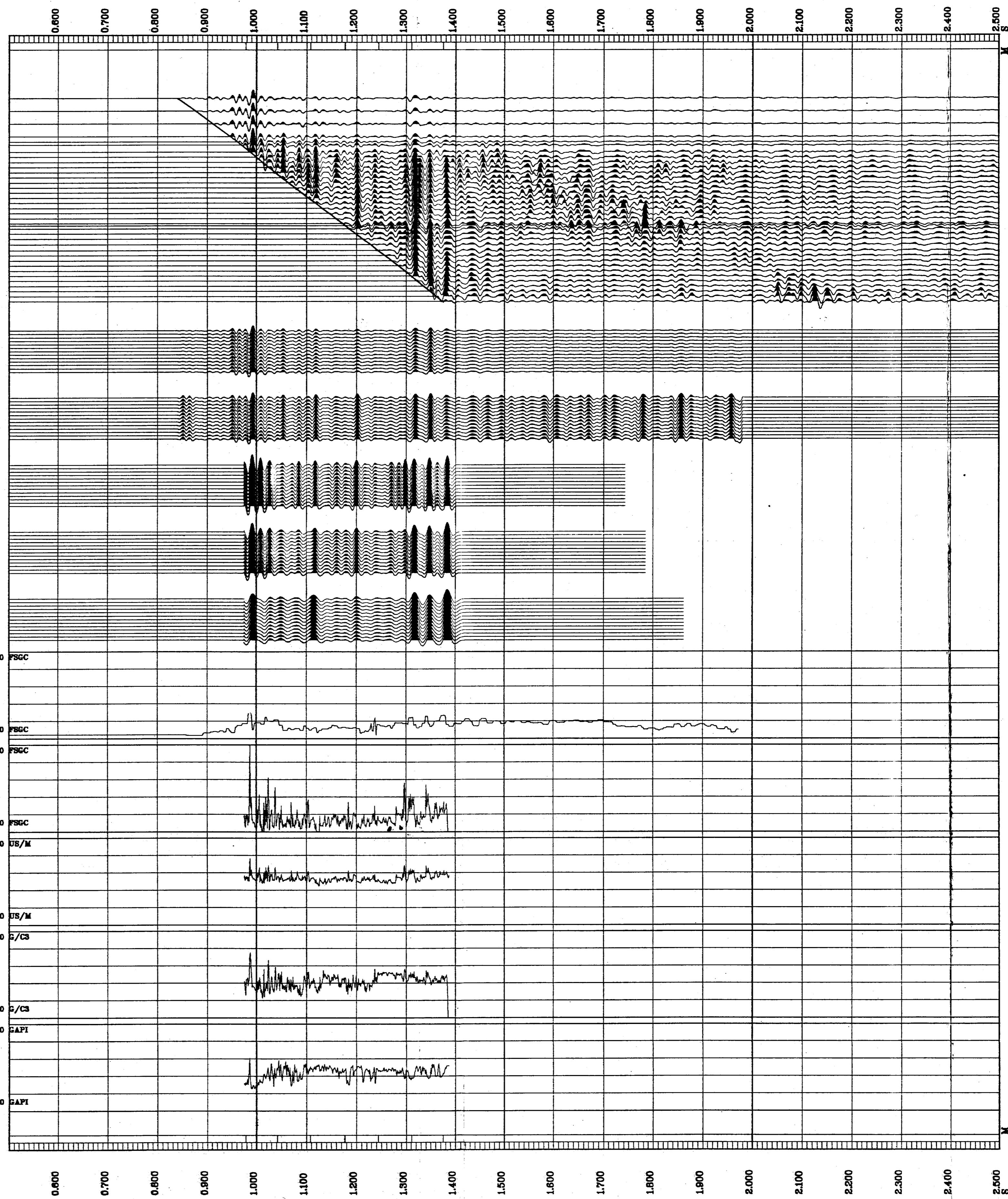
**SONIC**

**DENSITY**

**GAMMA RAY**

|        |       |
|--------|-------|
| 2094.7 | 0.841 |
| 2064.7 | 0.876 |
| 2034.7 | 0.832 |
| 2004.7 | 0.844 |
| 1974.7 | 0.870 |
| 1944.7 | 0.905 |
| 1914.7 | 0.940 |
| 1884.7 | 0.975 |
| 1854.7 | 1.010 |
| 1824.7 | 1.045 |
| 1794.7 | 1.080 |
| 1764.7 | 1.115 |
| 1734.7 | 1.150 |
| 1704.7 | 1.185 |
| 1674.7 | 1.220 |
| 1644.7 | 1.255 |
| 1614.7 | 1.290 |
| 1584.7 | 1.325 |
| 1554.7 | 1.360 |
| 1524.7 | 1.395 |
| 1494.7 | 1.430 |
| 1464.7 | 1.465 |
| 1434.7 | 1.500 |
| 1404.7 | 1.535 |
| 1374.7 | 1.570 |
| 1344.7 | 1.605 |
| 1314.7 | 1.640 |
| 1284.7 | 1.675 |
| 1254.7 | 1.710 |
| 1224.7 | 1.745 |
| 1194.7 | 1.780 |
| 1164.7 | 1.815 |
| 1134.7 | 1.850 |
| 1104.7 | 1.885 |
| 1074.7 | 1.920 |
| 1044.7 | 1.955 |
| 1014.7 | 1.990 |
| 984.7  | 2.025 |
| 954.7  | 2.060 |
| 924.7  | 2.095 |
| 894.7  | 2.130 |
| 864.7  | 2.165 |
| 834.7  | 2.200 |
| 804.7  | 2.235 |
| 774.7  | 2.270 |
| 744.7  | 2.305 |
| 714.7  | 2.340 |
| 684.7  | 2.375 |
| 654.7  | 2.410 |
| 624.7  | 2.445 |
| 594.7  | 2.480 |
| 564.7  | 2.515 |
| 534.7  | 2.550 |
| 504.7  | 2.585 |
| 474.7  | 2.620 |
| 444.7  | 2.655 |
| 414.7  | 2.690 |
| 384.7  | 2.725 |
| 354.7  | 2.760 |
| 324.7  | 2.795 |
| 294.7  | 2.830 |
| 264.7  | 2.865 |
| 234.7  | 2.900 |
| 204.7  | 2.935 |
| 174.7  | 2.970 |
| 144.7  | 3.005 |
| 114.7  | 3.040 |
| 84.7   | 3.075 |
| 54.7   | 3.110 |
| 24.7   | 3.145 |
| 0.0    | 3.180 |

TRUE VERTICAL DEPTH MSL M TRANSIT TIME SDR S LEVEL NO



COMPANY BHP PETROLEUM PTY. LTD.  
FIELD WILDCAT  
WELL CHAMPION-1  
COUNTRY AUSTRALIA