



VERTICAL SEISMIC PROFILE

ZERO OFFSET VSP PLOT 1

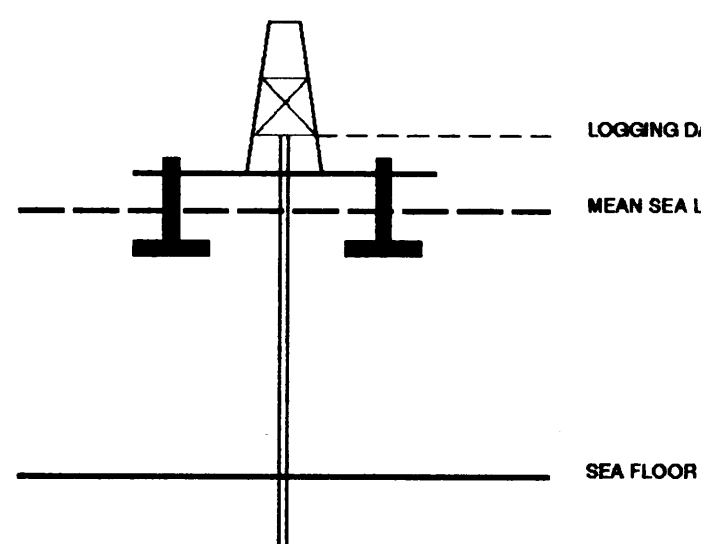
STACKED DATA

Company: ESSO AUSTRALIA LTD.
 Well: ORANGE ROUGHY 1
 Field: WILDCAT
 Country: AUSTRALIA
 Reference No: SYJ.561133/561134 Interval: 2614.00 to 164.00
 Date Logged: 27-JUN-1995 Date Processed: 21-JULY-1995
 Location: 038 34' 56.99" S 148 02' 30.99" E
 Elevations: KB: 25.00 DF: 24.70 GL: -75.00
 Permanent Datum: MSL Depth Units: METRES

FIELD RECORDING: Engineer: P.M. LUBRANO Location: VEA Program Version: 70D-427
 COMPUTATION: Analyst: A. WILSON Centre: SYJ Baseline: 20.5

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 25.00
 Seismic Reference Datum: 0.00



Total Number of Levels: 38
 Depth Reference: SRD
 Time Reference: SRD

| Run | Date | Tool Type | BR Size/Depth | Casing Size/Depth | Top Depth | Bottom Depth |
|-----|-------------|-----------|---------------|-------------------|-----------|--------------|
| ONE | 19-JUN-1995 | AS-LDL | 17.5 IN | | 62 M | 753 M |
| TWO | 26-JUN-1995 | DLL-LDLAS | 12.25 IN | | 741 M | 2806 M |

| VSP Run | Date | Gun Offset | Hydro Offset | Gun Elevation | Hydro Elevation | Gun Azimuth | Hydro Azimuth |
|---------|------------|------------|--------------|---------------|-----------------|-------------|---------------|
| ONE | 27-06-1995 | 50 M | 50 M | 5 M BELOW MSL | 10 M BELOW MSL | 248 DEG | 248 DEG |

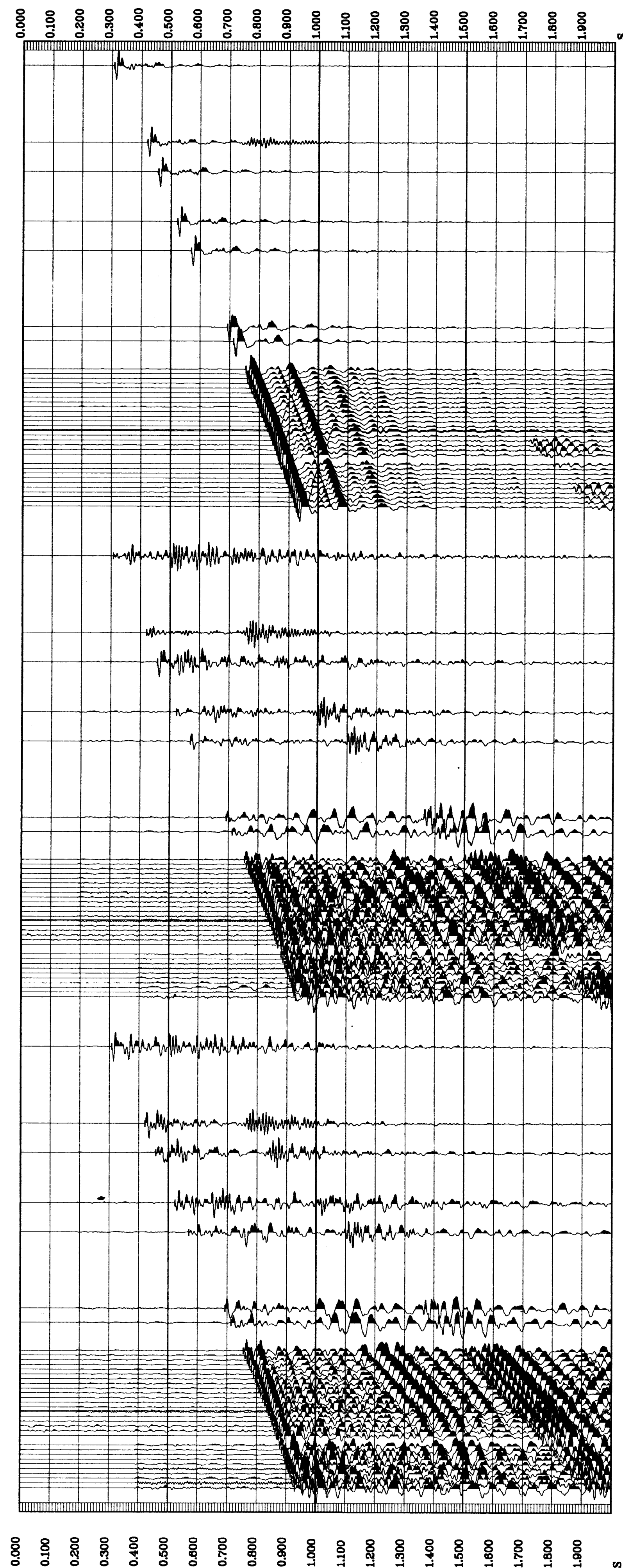
The well name, location and borehole reference data were furnished by the customer. All interpretations are optional based on information from electrical or other measurements and we cannot and do not guarantee the accuracy or completeness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations 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.

**** MEDIAN STACK ****
 (DOWNHOLE DATA)
 MEDIAN COHERENCY STACK OF THE DOWNHOLE VERTICAL COMPONENT.
 PROCESSING SEQUENCE:
 MEDIAN STACK APPLIED
 BANDPASS FILTER : 5 - 140 HZ
 VERTICAL SCALE : 10 CM/SEC
 POLARITY (S.E.G.) : REVERSE
 TIMES REFERENCED TO HYDROPHONE

**** MEDIAN STACK ****
 (DOWNHOLE DATA)
 MEDIAN COHERENCY STACK OF THE DOWNHOLE 2. HORIZONTAL COMPONENT
 PROCESSING SEQUENCE:
 MEDIAN STACK APPLIED
 BANDPASS FILTER : 5 - 140 HZ
 VERTICAL SCALE : 10 CM/SEC
 POLARITY (S.E.G.) : REVERSE
 TIMES REFERENCED TO HYDROPHONE

**** MEDIAN STACK ****
 (DOWNHOLE DATA)
 MEDIAN COHERENCY STACK OF THE DOWNHOLE 1. HORIZONTAL COMPONENT
 PROCESSING SEQUENCE:
 MEDIAN STACK APPLIED
 BANDPASS FILTER : 5 - 140 HZ
 VERTICAL SCALE : 10 CM/SEC
 POLARITY (S.E.G.) : REVERSE
 TIMES REFERENCED TO HYDROPHONE

| RAW DEPTH M | TRUE VERTICAL DEPTH MSL M | TRANSIT TIME S | LEVEL NO | MAX AMPLITUDE | MIN AMPLITUDE |
|-------------|---------------------------|----------------|----------|---------------|---------------|
| 737.1 | 712.1 | 0.399 | 36 | 2536.6602 | -2312.5447 |
| 1061.0 | 1036.0 | 0.422 | 36 | 1110.6948 | -1044.7786 |
| 1185.0 | 1160.0 | 0.456 | 35 | 684.8650 | -727.1408 |
| 1394.0 | 1371.0 | 0.524 | 34 | 856.3945 | -870.8255 |
| 1580.0 | 1465.0 | 0.570 | 33 | 529.4080 | -543.1898 |
| 1842.0 | 1817.0 | 0.683 | 32 | 257.1386 | -312.5944 |
| 1966.0 | 1977.0 | 0.714 | 31 | 247.7977 | -285.8611 |
| 2040.0 | 2015.0 | 0.782 | 29 | 216.0538 | -235.4227 |
| 2060.0 | 2066.0 | 0.776 | 27 | 179.9533 | -186.3425 |
| 2129.0 | 2095.0 | 0.789 | 25 | 303.4979 | -229.4425 |
| 2180.0 | 2135.0 | 0.803 | 23 | 195.9126 | -203.1196 |
| 2200.0 | 2175.0 | 0.816 | 21 | 169.3853 | -165.3015 |
| 2240.0 | 2215.0 | 0.829 | 19 | 175.4534 | -167.7089 |
| 2270.2 | 2252.2 | 0.840 | 17 | 145.8732 | -152.2025 |
| 2280.0 | 2275.0 | 0.846 | 15 | 138.5075 | -138.5075 |
| 2340.0 | 2315.0 | 0.858 | 13 | 140.9039 | -142.1890 |
| 2380.0 | 2355.0 | 0.868 | 11 | 145.0877 | -150.1854 |
| 2440.0 | 2415.0 | 0.886 | 9 | 131.9816 | -142.5649 |
| 2480.0 | 2455.0 | 0.897 | 7 | 126.3869 | -136.2478 |
| 2520.0 | 2495.0 | 0.909 | 5 | 140.0093 | -136.7861 |
| 2560.0 | 2535.0 | 0.919 | 3 | 106.1360 | -121.6295 |
| 2600.0 | 2575.0 | 0.930 | 1 | 116.9597 | -111.8276 |
| 737.1 | 712.1 | 0.399 | 36 | 90.8148 | -99.8608 |
| 1061.0 | 1036.0 | 0.422 | 36 | 106.0725 | -131.7134 |
| 1185.0 | 1160.0 | 0.456 | 35 | 33.8610 | -37.1323 |
| 1394.0 | 1371.0 | 0.524 | 34 | 81.5164 | -80.1061 |
| 1580.0 | 1465.0 | 0.570 | 33 | 36.9271 | -33.0732 |
| 1842.0 | 1817.0 | 0.683 | 32 | 15.1386 | -14.4594 |
| 1966.0 | 1977.0 | 0.714 | 31 | 13.7449 | -13.2876 |
| 2040.0 | 2015.0 | 0.782 | 29 | 11.8548 | -8.2909 |
| 2060.0 | 2066.0 | 0.776 | 27 | 6.9070 | -6.3177 |
| 2129.0 | 2095.0 | 0.789 | 25 | 6.5586 | -6.2697 |
| 2180.0 | 2135.0 | 0.803 | 23 | 7.8944 | -6.8963 |
| 2200.0 | 2175.0 | 0.816 | 21 | 6.2598 | -6.2739 |
| 2240.0 | 2215.0 | 0.829 | 19 | 7.7258 | -6.1708 |
| 2270.2 | 2252.2 | 0.840 | 17 | 12.2482 | -6.5480 |
| 2280.0 | 2275.0 | 0.846 | 15 | 4.4522 | -4.4522 |
| 2340.0 | 2315.0 | 0.858 | 13 | 5.5482 | -5.2978 |
| 2380.0 | 2355.0 | 0.868 | 11 | 6.8904 | -6.4457 |
| 2440.0 | 2415.0 | 0.886 | 9 | 6.8004 | -6.1534 |
| 2480.0 | 2455.0 | 0.897 | 7 | 7.2860 | -6.4544 |
| 2520.0 | 2495.0 | 0.909 | 5 | 6.1156 | -7.0971 |
| 2560.0 | 2535.0 | 0.919 | 3 | 9.8602 | -6.4368 |
| 2600.0 | 2575.0 | 0.930 | 1 | 6.7985 | -6.4813 |
| 737.1 | 712.1 | 0.399 | 36 | 138.6187 | -157.0791 |
| 1061.0 | 1036.0 | 0.422 | 36 | 100.8918 | -110.4982 |
| 1185.0 | 1160.0 | 0.456 | 35 | 67.8011 | -65.9827 |
| 1394.0 | 1371.0 | 0.524 | 34 | 24.8279 | -23.7188 |
| 1580.0 | 1465.0 | 0.570 | 33 | 27.4447 | -26.5091 |
| 1842.0 | 1817.0 | 0.683 | 32 | 11.9602 | -14.5455 |
| 1966.0 | 1977.0 | 0.714 | 31 | 11.8675 | -14.3905 |
| 2040.0 | 2015.0 | 0.782 | 29 | 11.7935 | -10.9811 |
| 2060.0 | 2066.0 | 0.776 | 27 | 12.8234 | -15.1628 |
| 2129.0 | 2095.0 | 0.789 | 25 | 12.1664 | -15.2918 |
| 2180.0 | 2135.0 | 0.803 | 23 | 11.1134 | -13.3995 |
| 2200.0 | 2175.0 | 0.816 | 21 | 9.5696 | -8.8250 |
| 2240.0 | 2215.0 | 0.829 | 19 | 6.4501 | -6.8958 |
| 2270.2 | 2252.2 | 0.840 | 17 | 12.2923 | -12.4824 |
| 2280.0 | 2275.0 | 0.846 | 15 | 10.1894 | -10.2569 |
| 2340.0 | 2315.0 | 0.858 | 13 | 7.8997 | -8.7369 |
| 2380.0 | 2355.0 | 0.868 | 11 | 9.4654 | -11.1775 |
| 2440.0 | 2415.0 | 0.886 | 9 | 9.9449 | -8.2831 |
| 2480.0 | 2455.0 | 0.897 | 7 | 6.3260 | -6.8260 |
| 2520.0 | 2495.0 | 0.909 | 5 | 7.3693 | -7.3362 |
| 2560.0 | 2535.0 | 0.919 | 3 | 6.4297 | -6.2295 |
| 2600.0 | 2575.0 | 0.930 | 1 | 4.8247 | -5.8729 |



COMPANY ESSO AUSTRALIA LTD.
 FIELD WILDCAT
 WELL ORANGE ROUGHY 1
 COUNTRY AUSTRALIA

