

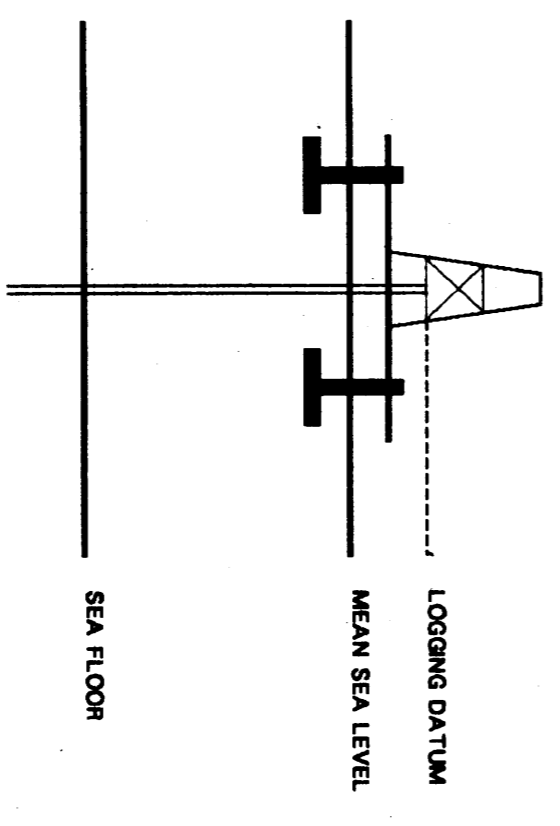
SEISMIC CALIBRATION LOG

(Adjusted Continuous Velocity Log)

Company: ESSO AUSTRALIA LTD
 Well: KIPPER - 1
 Field: WILDCAT
 Country: AUSTRALIA
 Reference No: 580401
 Date Logged: 31/03/86
 Location: 038 10' 34.855" S
 Elevation: KB: 210 M DF: 20.7 M GL: -95.0 M
 Permanent Datum: MSL
 Date Processed: 07/04/86
 Interval: 0.00 to 2870.00
 13 AUG 1986
 WCR Vol 1
 W930

FIELD RECORDS: Engineer: SP. RAJAKI Location: VEA Program Version: 28.2A
 COMPUTER: Analyst: M. SANDERS Centre: STJ Baseline: 14.2
 ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 20.7 M
 Seismic Reference Datum: MSL
 Sea Floor: -95.0 M

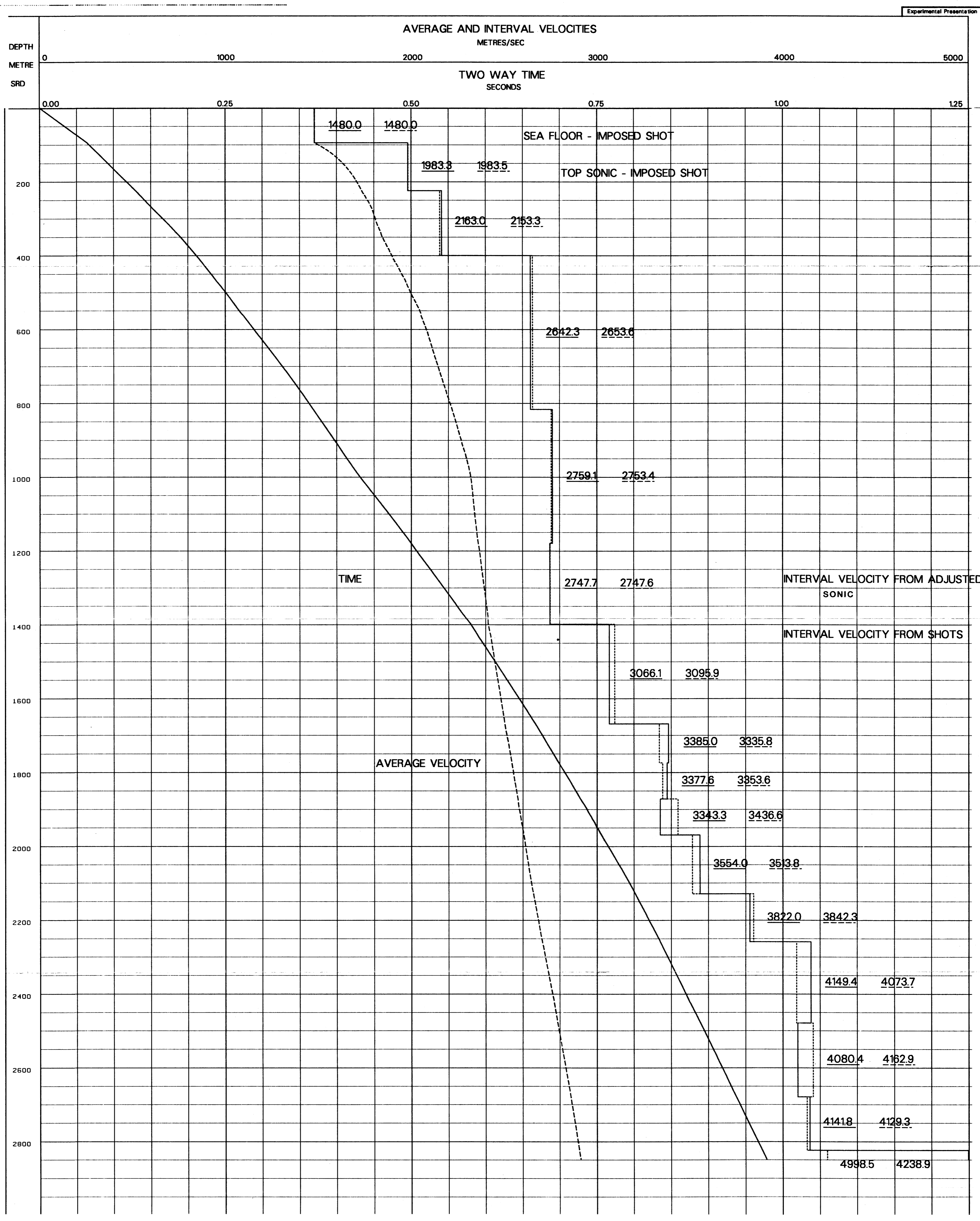


Total No. of Check Levels: 14 (from 421 to 2870 m below DF)
 Velocity Log Depth Reference: SRD

Run	Date	Tool Type	Bit Size/Depth	Casing Size/Depth	Top Depth	Bottom Depth
1	07/03/86	SPTA	17 1/2" @ 846 M	20" @ 238 M	238.5 M	834.8 M
2	30/03/86	SPTA	13 1/4" @ 2875 M	13 3/8" @ 832 M	832 M	2880 M
1	31/03/86	46.0 M	46.0 M	9.1 M below MSL	9.1 M below MSL	

SONIC LOG INTERVAL 246 - 2860 METRES BELOW DF
 DENSITY LOG INTERVAL 1198 - 2870 METRES BELOW DF
 BOTTOM SHOT @ 2870 METRES BELOW DF
 IMPOSED SHOT AT SEA FLOOR AND TOP OF SONIC LOG

The well name, location and borehole reference data were furnished by the customer.
 All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness 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.



COMPANY ESSO AUSTRALIA LTD
 FIELD WILDCAT
 WELL KIPPER - 1
 COUNTRY AUSTRALIA

Schlumberger