304229

Enclosure 6 OR-0310 (Vol 2)

Schlumberger PERTH COMPUTING CENTRE

GEOGRAM*

ZERO PHASE

(Synthetic Seismogram)

* A Mark of Schlumberger

Company:	AMOCO AUSTRALIA PETROLEUM CO.		
Well:	YOLLA #1		
Field:	WILDCAT		
Country:	AUSTRALIA		
Reference No:	540388	Interval:	0.00 to 3351.00
Date Logged:	10/09/85	Date Processed:	24/09/85
Location:	039 50' 18.96" S		145 48' 21.2" E
Elevations:	KB: 10.9 M	DF: 10.3 M	GL: -79.5 M
Permanent Datum:	MSL	Depth Units:	METRES

LOG INFORMATION

FIELD RECORDING:	Engineer: WINSLOE	Location: SEA	Program Version:	26.4 85/02/09	
COMPUTATION:	Analyst: M. SANDERS	Centre: ASJ	Baseline:	12.4	

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum:	10.9 M
Seismic Reference Datum:	MSL
Sea Floor	-79.5 M

Sonic Calibration By Check Shots: YES Sonic Edited By Analyst: YES

Two-Way Time Sample Interval: 2 ms Environment: offshore

True Vertical Depth Corrections Applied: NO
Source of True Vertical Depth Data:
Maximum Hole Deviation:

Run	Date	Tool Type		Bit Size/ Depth	Casing Size/ Depth	Top Depth	Bottom Depth
1	08/07/85	SLS		17 1/2" @ 1759 M	20" @ 399 M	50 M	1759 M
2	19/07/85	SLS		12 1/4" @ 1982.5 M	13 3/8" @ 1755 M	1755 M	1985 M
3	23/08/85	SLS		12 1/4" @ 3347 M	13 3/8" @ 1755 M	1755 M	3350 M

WST Run	Date	Gun Offset	Accel. Offset	Gun Elevation	Accelerometer Elevation	Gun Azimuth	Accel. Azimuth
1	10/09/85	37.0 M	37.0 M	3.35 M below MSL	3.35 M below MSL	315°	315°

GEOGRAM MODEL ASSUMPTIONS

Equal time slice model of horizontal plane layers.
Plane acoustic waves at normal incidence.
No intrinsic attenuation.

POLARITY

An upgoing wave, reflected by an increase in acoustic impedance with depth, is displayed as a white trough under normal polarity.

SIGNATURES

All signatures displayed in the Geogram results correspond to a wavelet convolved with a reflection coefficient of -0.5 (A decrease in accoustic impedance with depth).

REMARKS

Sonic log interval 415 - 3351 metres below KB
Density log interval 1759 - 3351 metres below KB
Time Scale = 3.75 in/sec
5 cm

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 wilful 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.

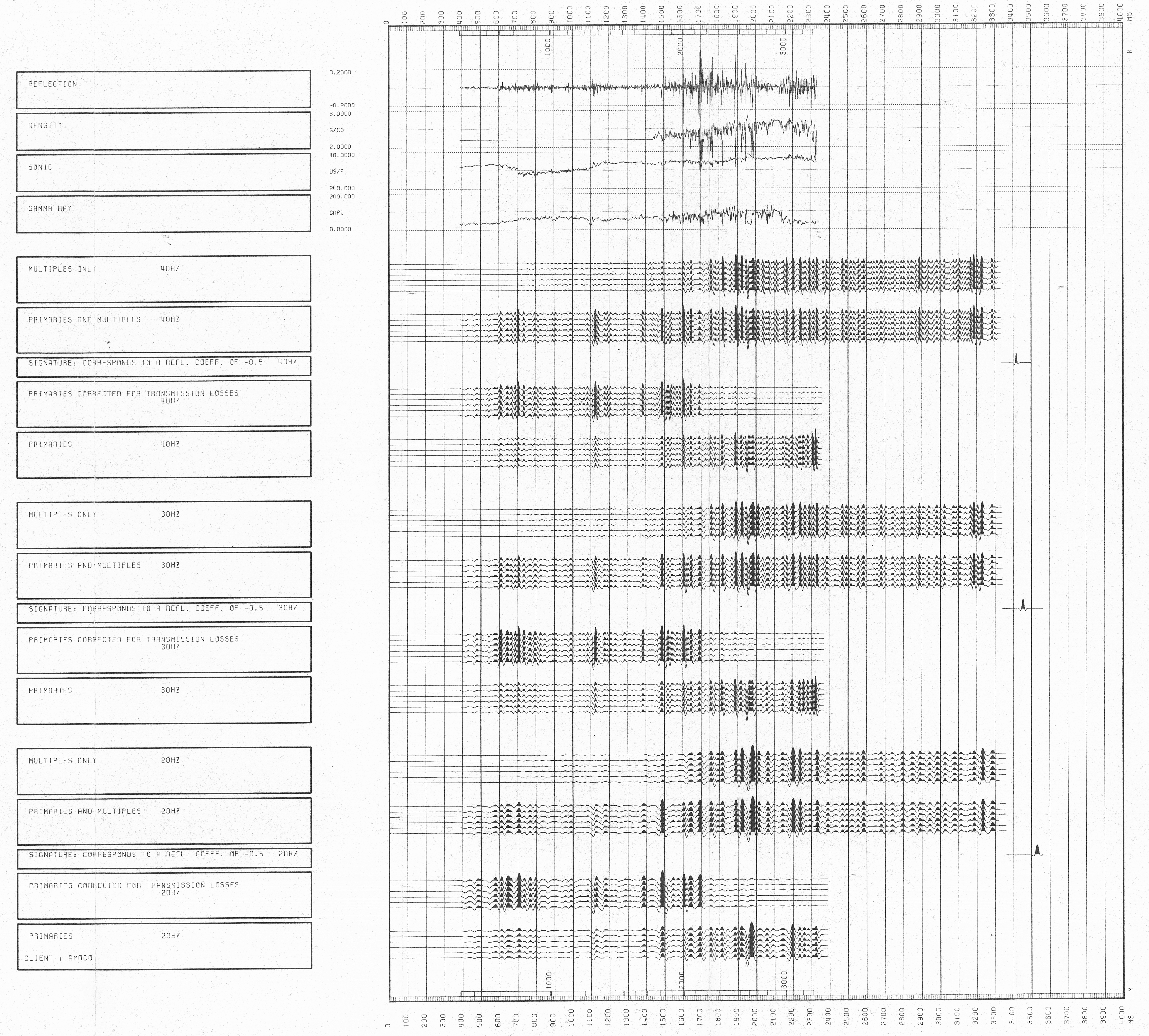
FOLD HERE

CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : WILDCAT
WELL : YOLLA #1

SREF.GEO.001* SPRM.GEO.001* SMUL.GEO.001* SMUO.GEO.001*
SREF.GEO.003* SPRM.GEO.003* SMUL.GEO.003* SMUO.GEO.003*
SREF.GEO.005* SPRM.GEO.005* SMUL.GEO.005* SMUO.GEO.005*
GR* DTTM* RHOT* REFL*

GEOGRAM AFTER SONIC CALIBRATION
RICKER WAVELETS
ZERO PHASE
NORMAL POLARITY

YOLLA #1

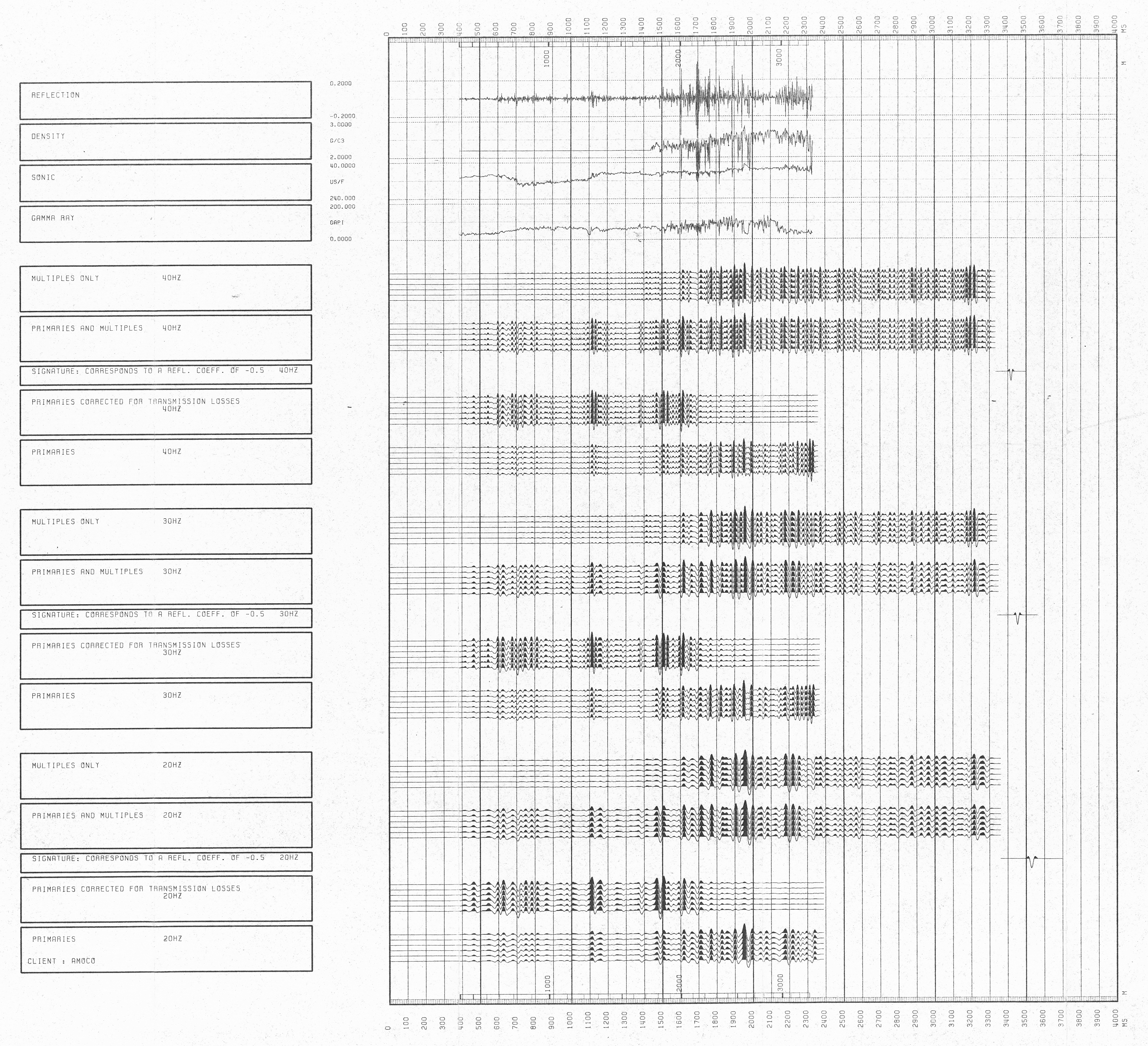


CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : WILDCAT
WELL : YOLLA #1

SREF.GEO.001* SPRM.GEO.001* SMUL.GEO.001* SMUO.GEO.001*
SREF.GEO.003* SPRM.GEO.003* SMUL.GEO.002* SMUO.GEO.003*
SREF.GEO.005* SPRM.GEO.005* SMUL.GEO.005* SMUO.GEO.005*
GR* DTTM* RHOT* REFL*

GEOGRAM AFTER SONIC CALIBRATION
RICKER WAVELETS
ZERO PHASE
REVERSE POLARITY

YOLLA #1



CLIENT : AMOCO AUSTRALIA PETROLEUM CO.
FIELD : WILDCAT
WELL : YOLLA #1

L1.AGC.SPM*
L1.SU3.SPM*L1.SU4.SPM*
SREF.GEO.002*SPRM.GEO.002*SMUL.GEO.002*SMUO.GEO.002*
GR* DTTM* RHOT* REFL* AIMP*

COMPOSITE GEOGRAM - VERTICAL SEISMIC PROFILE
NORMAL POLARITY ZERO PHASE

YOLLA #1

ACOUSTIC IMPEDANCE
REFLECTION
DENSITY
SONIC
GAMMA RAY

GEOGRAM - MULTIPLES ONLY
ZERO PHASE - NORMAL POLARITY - 30HZ

GEOGRAM - PRIMARIES AND MULTIPLES
ZERO PHASE - NORMAL POLARITY - 30HZ

SIGNATURE: CORRESPONDS TO A REFL. COEFF. OF -0.5 30HZ

GEOGRAM - PRIMARIES CORRECTED FOR TRANSMISSION LOSSES
ZERO PHASE - NORMAL POLARITY - 30HZ

GEOGRAM - PRIMARIES
ZERO PHASE - NORMAL POLARITY - 30HZ

VSP - CORRIDOR STACK
LEVELS 37-47 : ALL DATA
LEVELS 48-131: 100MS CORRIDOR AFTER FIRST ARRIVAL
AGC APPLIED (400 MSEC WINDOW)

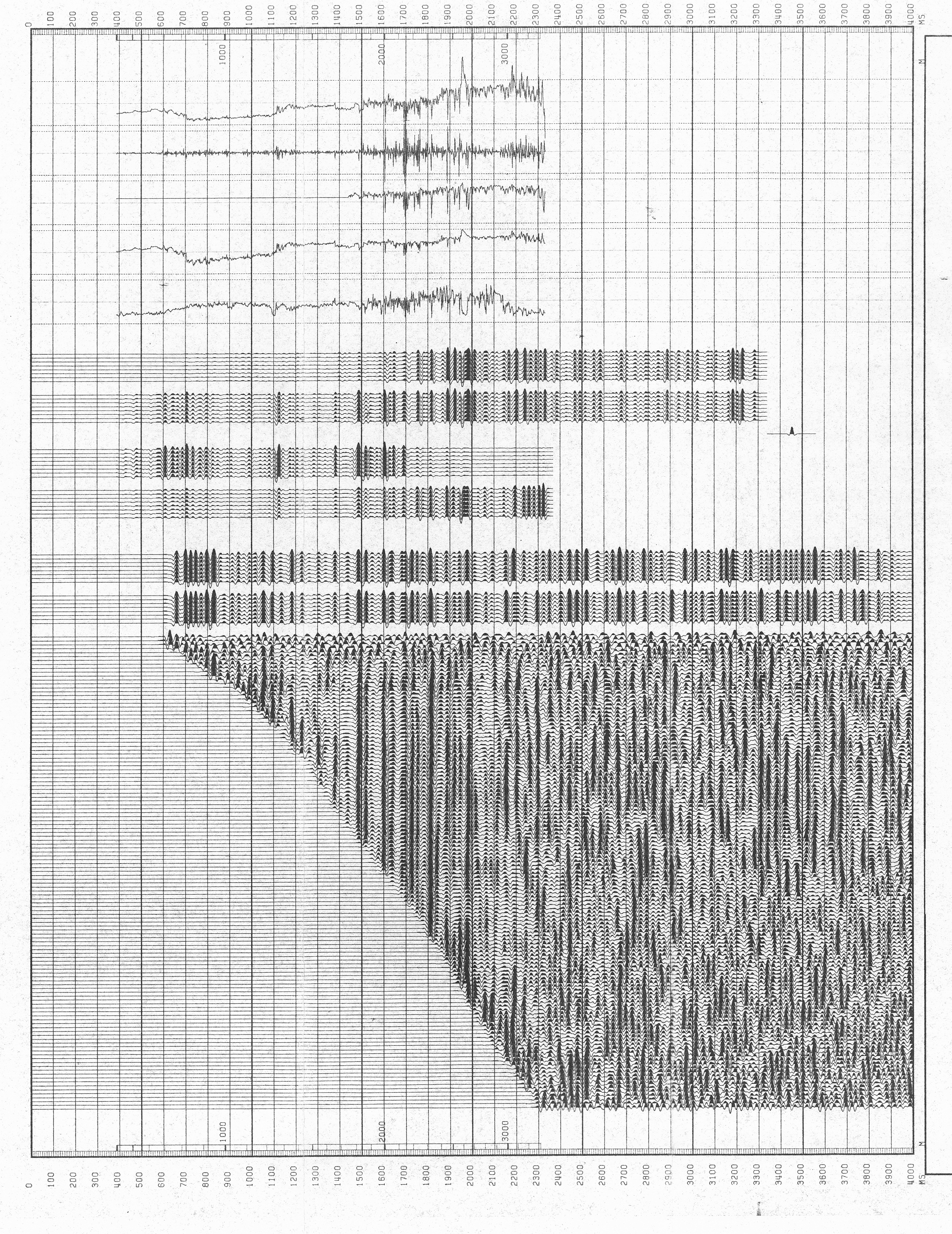
VSP - STACK OF ALL DATA
LEVELS 37-131
AGC APPLIED (400 MSEC WINDOW)
NORMAL POLARITY - ZERO PHASE

VSP - UPGOING EVENTS AFTER
WAVESHAPE DECONVOLUTION

COMPANY : AMOCO
FIELD : WILDCAT
WELL : YOLLA #1

AGC APPLIED (400 MSEC WINDOW)
ZERO PHASE : 14-50HZ
NORMAL POLARITY
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

LEVEL	DEPTH M	TIME S	PEAK/PEAK
85	2040.0	0.808	191.87
85	2040.0	0.808	133.33
133	700.0	0.302	419.72
131	760.0	0.323	265.86
129	800.0	0.347	273.80
127	850.0	0.374	184.43
125	910.0	0.397	135.38
123	870.0	0.424	77.76
120	1060.2	0.464	79.64
118	1100.0	0.485	84.24
116	1140.0	0.497	82.82
114	1180.0	0.514	90.07
112	1220.0	0.536	95.40
108	1260.0	0.552	111.69
106	1304.0	0.569	119.91
104	1340.0	0.581	107.29
102	1380.0	0.594	112.87
99	1440.0	0.614	125.10
97	1480.0	0.627	127.82
95	1520.0	0.840	131.91
93	1560.0	0.651	137.55
91	1580.0	0.659	140.36
89	1620.0	0.672	134.73
87	1660.0	0.683	148.98
85	1680.0	0.691	174.74
83	1720.0	0.705	189.26
81	1760.0	0.720	192.26
79	1800.0	0.733	207.13
77	1840.0	0.746	243.35
75	1880.1	0.759	287.18
73	1920.0	0.771	243.85
71	1960.0	0.783	215.37
66	2020.0	0.803	218.69
64	2060.0	0.813	228.86
62	2100.0	0.827	237.28
60	2140.0	0.840	264.67
58	2180.0	0.855	274.66
56	2220.0	0.867	290.76
54	2260.0	0.880	277.44
52	2290.0	0.890	213.30
50	2330.0	0.902	218.40
48	2370.0	0.917	200.78
46	2410.0	0.928	191.32
44	2450.0	0.938	208.23
42	2490.0	0.949	194.40
40	2530.0	0.957	139.51
38	2570.0	0.969	145.54
35	2600.0	0.979	167.36
33	2640.0	0.985	135.24
31	2680.0	0.994	132.05
29	2720.0	1.005	139.04
27	2760.0	1.014	139.87
25	2800.0	1.022	162.83
23	2840.0	1.034	213.31
21	2880.1	1.046	209.57
19	2925.1	1.057	170.98
17	3000.1	1.074	154.73
14	3080.0	1.094	160.82
12	3120.0	1.104	154.72
10	3160.0	1.115	130.70
7	3220.0	1.129	181.93
5	3260.0	1.141	206.79
3	3300.0	1.151	422.33



COMPANY	AMOCO AUSTRALIA PETROLEUM CO.
FIELD	WILDCAT
WELL	YOLLA #1
COUNTRY	AUSTRALIA

Schlumberger