LOSURE 9 OR-0304

AUSTRALIAN LOG INTERPRETATION CENTRE

VERTICAL SEISMIC PROFILE
MINIMUM PHASE

SCHLUMBERGER

COMPANY	AMOCO AUSTRALIA
WELL	YOLLA #1
FIELD	WILDCAT
COUNTRY	AUSTRALIA

LOCATION COORDINATES:
LATITUDE 39 50 18.96 S
LONGITUDE 145 48 21.2 E

ELEVATIONS:
KB 10.9 M
DF 10.3 M
GL -79.5 M

COMPUTER CENTER	ASJ
ANALYST	M. SANDERS
JOB REFERENCE	540391
DATE	3-OCT-85

SEISMIC REFERENCE DATUM MEAN SEA LEVEL

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 INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

UNITS:	METRES
PERMANENT DATUM:	MSL
LOGS MEASURED FROM:	KB
DRILLING MEASURED FROM:	KB
DATE OF VSP SURVEY:	10-SEP-85
WELL TOTAL DEPTH:	3351 M
TOTAL NUMBER OF LEVELS SHOT:	141
NO. OF LEVELS IN FINAL PROCESSING:	125
TOP LEVEL:	640 M
BOTTOM LEVEL:	3312 M

GUN OFFSET
37 M

GUN ELEVATION
3.35 M BELOW MSL

BIT SIZE/DEPTH
12 1/4" @ 3345 M

CASING SIZE/DEPTH
9 5/8" @ 3345 M

COMMENTS:

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CLIENT : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

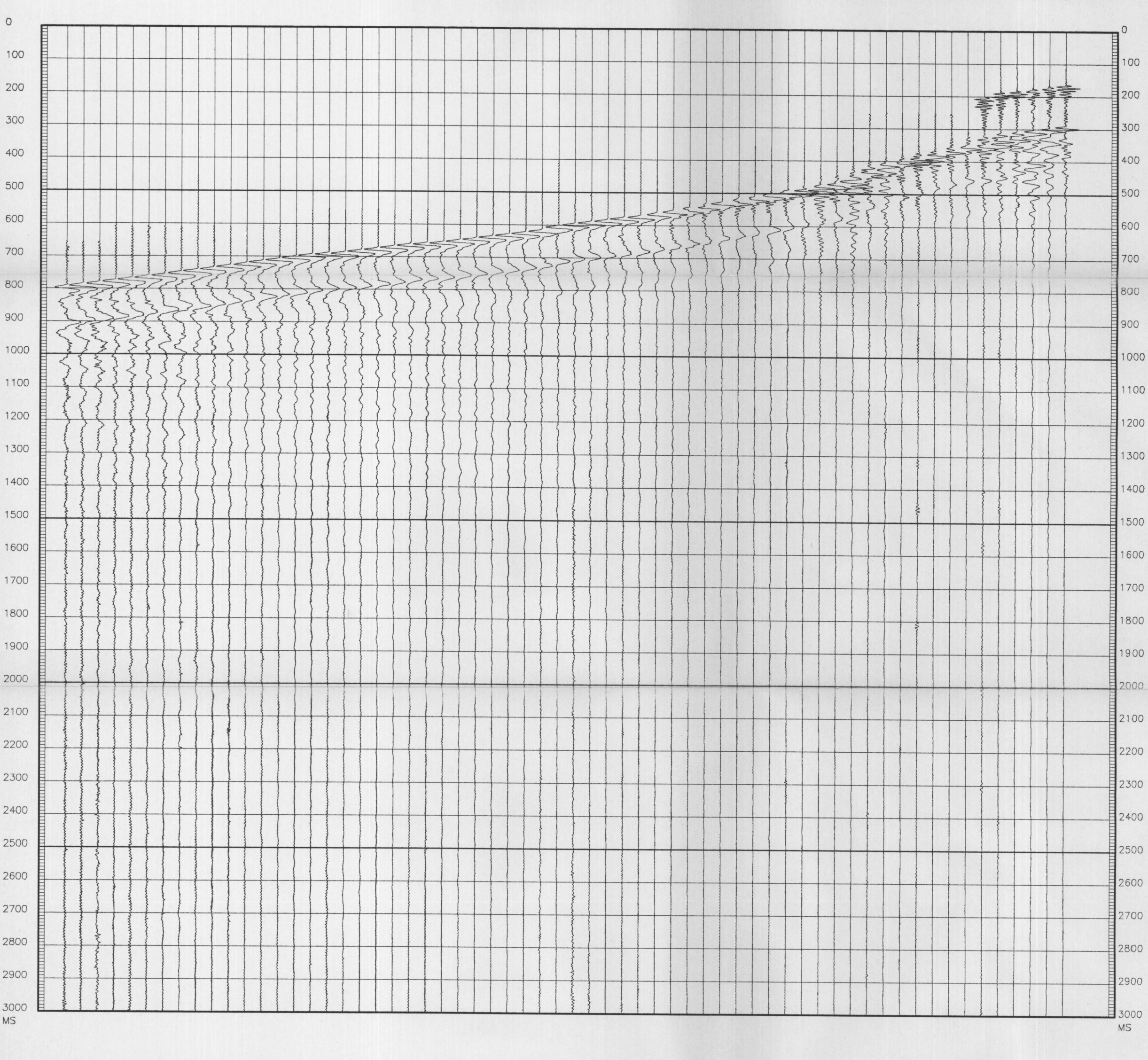
L1.STM*

PLOT 1.0
MEAN STACKED DATA.

CLIENT : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

STACKED AT COMPUTING CENTRE.
DEPTH REFERENCED TO KELLY BUSHING.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 5IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.
5-100 HZ BAND PASS FILTER.

LEVEL	DEPTH M	TIME S	PEAK/PEAK
70	1980.0	0.790	871.50
71	1960.0	0.783	821.80
72	1940.0	0.778	916.00
73	1920.0	0.771	949.80
74	1900.0	0.766	914.60
75	1880.1	0.759	965.40
76	1860.0	0.753	1008.80
77	1840.0	0.746	1024.25
78	1820.0	0.739	1200.57
79	1800.0	0.733	1104.40
80	1780.0	0.726	1273.20
81	1760.0	0.720	1397.44
82	1740.0	0.712	1517.20
83	1720.0	0.705	1511.20
84	1700.0	0.697	1407.40
85	1680.0	0.691	1567.80
86	1670.0	0.687	1578.67
87	1660.0	0.683	1504.60
88	1640.0	0.678	1592.40
89	1620.0	0.672	1600.80
90	1600.0	0.665	1718.22
91	1580.0	0.659	1715.00
92	1570.0	0.654	1808.00
93	1560.0	0.651	1735.40
94	1540.0	0.646	1870.60
95	1520.0	0.640	1893.20
96	1500.0	0.633	1794.60
97	1480.0	0.627	1953.80
98	1460.0	0.620	2000.00
99	1440.0	0.614	2129.00
101	1400.0	0.600	2584.40
102	1380.0	0.594	2641.00
103	1360.1	0.587	2579.50
104	1340.0	0.581	2373.20
105	1320.0	0.575	2409.75
106	1304.0	0.569	3081.80
107	1280.0	0.560	3004.60
109	1260.0	0.552	2898.00
111	1240.0	0.542	2989.00
112	1220.0	0.536	3677.80
113	1200.0	0.526	4521.40
114	1180.0	0.514	3777.00
115	1160.0	0.509	4309.40
116	1140.0	0.497	3391.80
117	1120.1	0.489	3451.20
118	1100.0	0.485	7023.00
119	1080.0	0.471	7496.00
120	1060.2	0.464	5519.00
121	1030.0	0.457	8048.33
123	970.0	0.424	6390.80
124	940.0	0.403	7522.67
125	910.0	0.397	7328.67
126	880.0	0.386	9742.67
127	850.0	0.374	12710.67
128	820.0	0.355	10898.00
129	800.0	0.347	10718.80
130	790.0	0.345	11322.00
131	760.0	0.323	9932.67
132	730.0	0.307	13987.00
133	700.0	0.302	16333.60
134	670.0	0.296	12563.11
136	640.1	0.289	13028.00



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CLIENT : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

L1.STM*

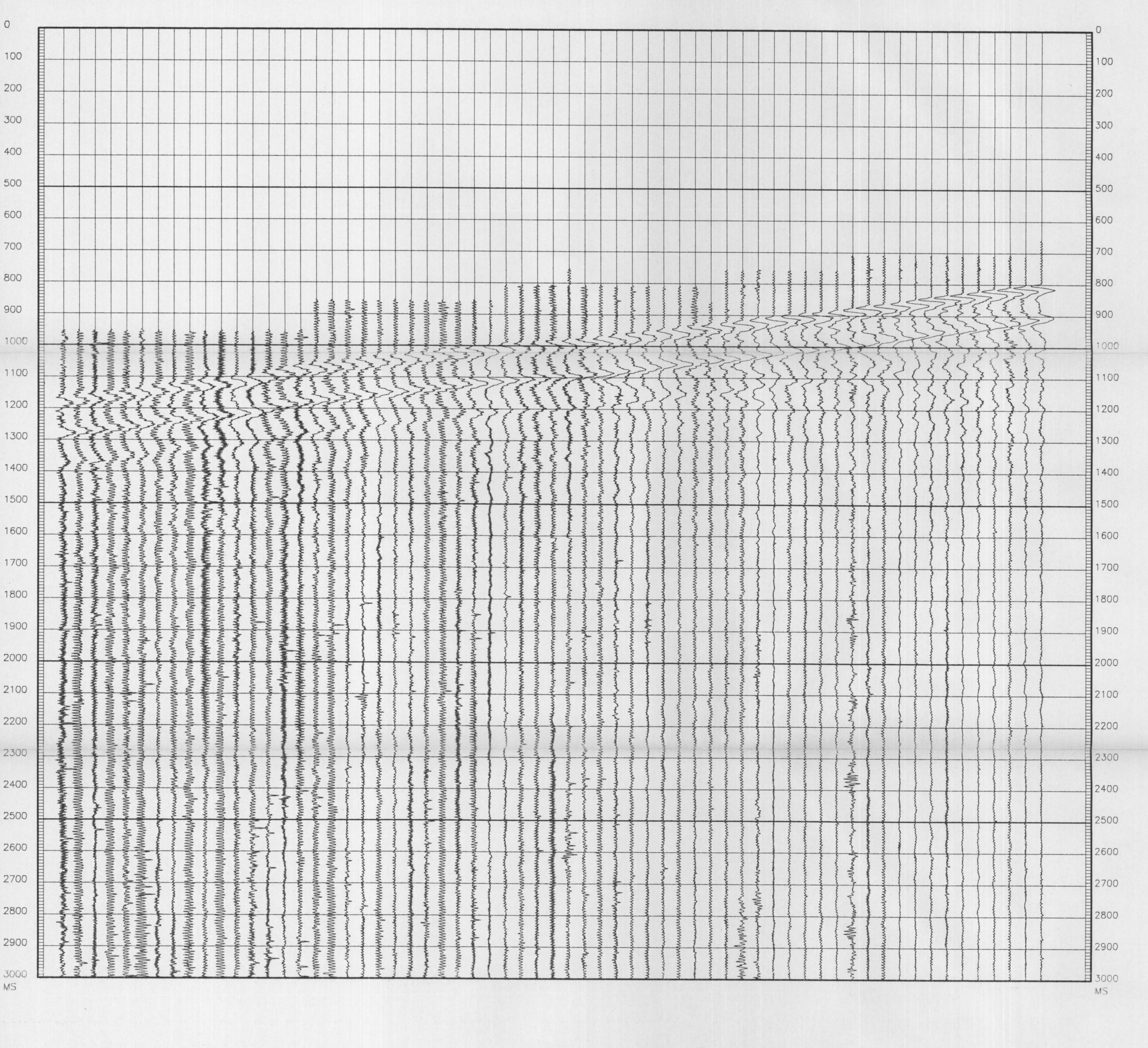
PLOT 1.1
MEAN STACKED DATA.

CLIENT : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

STACKED AT COMPUTING CENTRE.
DEPTH REFERENCED TO KELLY BUSHING.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 5IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.
5-100 HZ BAND PASS FILTER.

5 cm

LEVEL	DEPTH M	TIME S	PEAK/PEAK
2	3312.5	1.154	265.33
3	3300.0	1.151	294.80
4	3280.0	1.146	302.60
5	3260.0	1.141	251.44
6	3240.0	1.136	305.00
7	3220.0	1.129	256.57
9	3180.0	1.120	252.76
10	3160.0	1.115	277.88
11	3140.0	1.110	265.88
12	3120.0	1.104	231.40
13	3100.0	1.099	283.80
14	3080.0	1.094	243.71
15	3060.0	1.089	279.20
17	3000.1	1.074	329.00
18	2965.0	1.066	291.20
19	2925.1	1.057	296.25
20	2900.0	1.051	298.40
21	2880.1	1.046	317.80
22	2860.0	1.042	355.40
23	2840.0	1.034	351.25
24	2820.1	1.025	322.56
25	2800.0	1.022	335.20
26	2780.0	1.017	343.00
27	2760.0	1.014	379.00
28	2740.0	1.009	363.60
29	2720.0	1.005	314.60
30	2700.0	0.998	378.60
31	2680.0	0.994	361.60
32	2660.0	0.989	372.80
33	2640.0	0.985	401.50
34	2620.0	0.982	413.60
35	2600.0	0.979	306.60
37	2590.0	0.974	287.00
38	2570.0	0.969	315.40
39	2550.0	0.966	566.20
40	2530.0	0.957	524.75
41	2510.0	0.953	585.20
42	2490.0	0.949	522.40
43	2470.0	0.943	531.00
44	2450.0	0.938	580.60
45	2430.0	0.933	410.11
46	2410.0	0.928	612.00
47	2390.0	0.922	681.25
48	2370.0	0.917	562.00
49	2350.0	0.907	567.33
50	2330.0	0.902	751.00
51	2310.0	0.895	674.75
52	2290.0	0.890	718.60
53	2280.0	0.886	596.20
54	2260.0	0.880	677.20
55	2240.0	0.875	804.67
56	2220.0	0.867	638.60
57	2200.0	0.862	715.80
58	2180.0	0.855	853.25
59	2160.0	0.847	939.80
60	2140.0	0.840	795.20
61	2120.0	0.833	709.00
62	2100.0	0.827	794.57
63	2080.0	0.821	795.80
64	2060.0	0.813	695.60
65	2040.0	0.808	808.50
66	2020.0	0.803	863.80
69	2000.0	0.797	918.75



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CLIENT : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

L1.BPF.SPM*

L1.TAR.SPM*

2.0 BANDPASS FILTERED

COMPANY : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

FILTER BANDWIDTH IS 14-50HZ.
DEPTH REFERENCED TO KB.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.
FIRST BREAK TIMES CORRECTED TO SRD
AND TO VERTICAL RAY PATH.

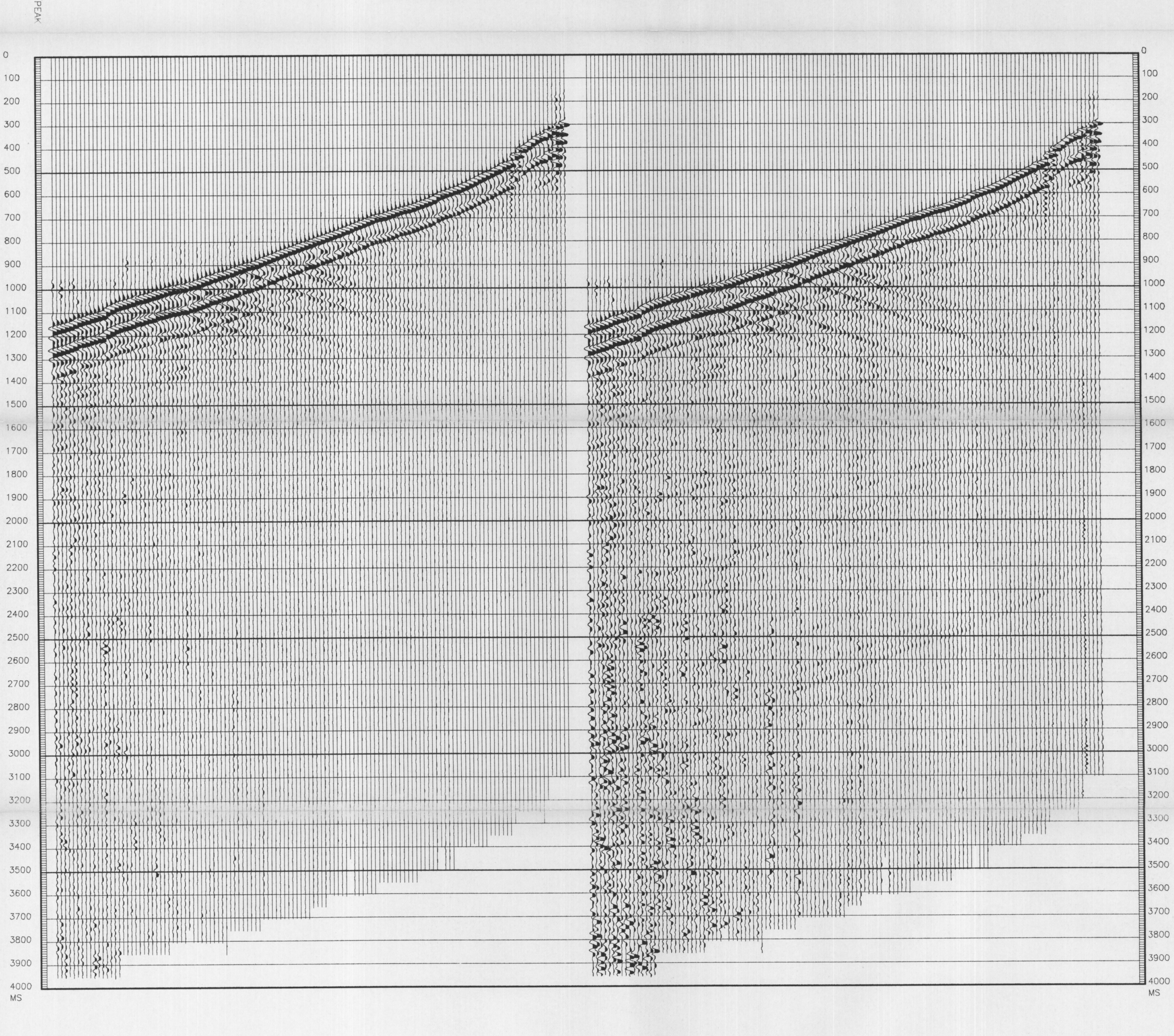
5 cm

2.1 TRUE AMPLITUDE RECOVERY

COMPANY : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

TRUE AMPLITUDE RECOVERY FACTOR IS 1.1
DATA CORRECTED IN TIME TO SRD.
DEPTH REFERENCED TO KB.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.

LEVEL DEPTH M TIME S PEAK/PEAK



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CLIENT : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

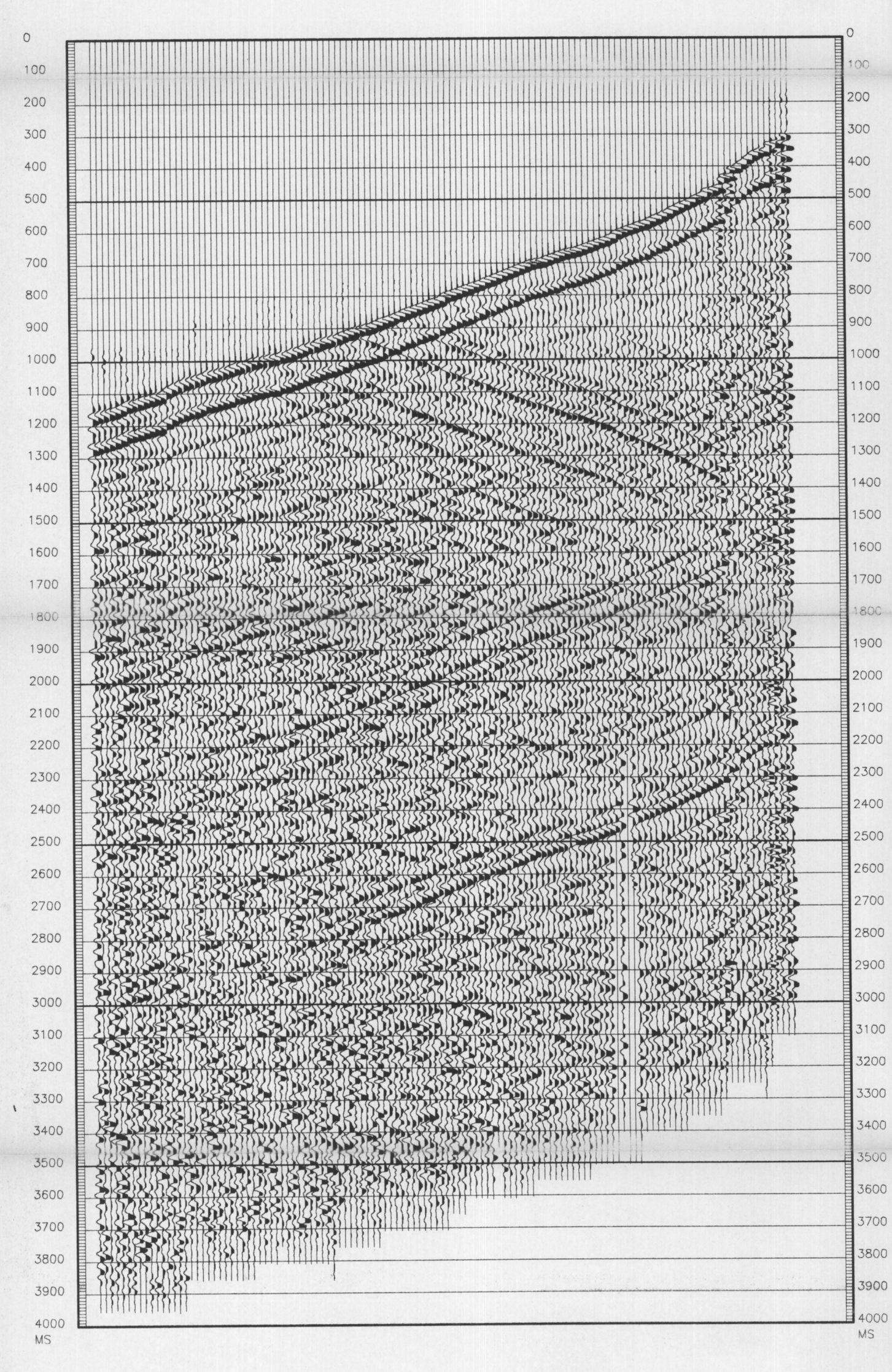
L1.AGD.SPM*

2.1 TRUE AMPLITUDE RECOVERY AFTER AGC

COMPANY : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

TRUE AMPLITUDE RECOVERY FACTOR IS 1.1
AGC WINDOW 400 MILLISECS
DATA CORRECTED IN TIME TO SRD.
DEPTH REFERENCED TO KB.
SHOTS WITH LOW SIGNAL/NOISE WERE
ELIMINATED PRIOR TO STACKING.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC.
Y-AXIS SCALE = LEVEL NUMBER.

LEVEL DEPTH M TIME S PEAK/PEAK



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CLIENT : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

L1.VEL.UDF*

L1.VEL.DDF*

3.0 UPGOING EVENTS AFTER VELOCITY FILTER

COMPANY : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

9 LEVEL VELOCITY FILTER.
CORRECTED TO SRD IN TWO WAY TIME.
THIS PLOT COMPRISES OF UPGOING REFLECTION
AND UPGOING MULTIPLE EVENTS.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

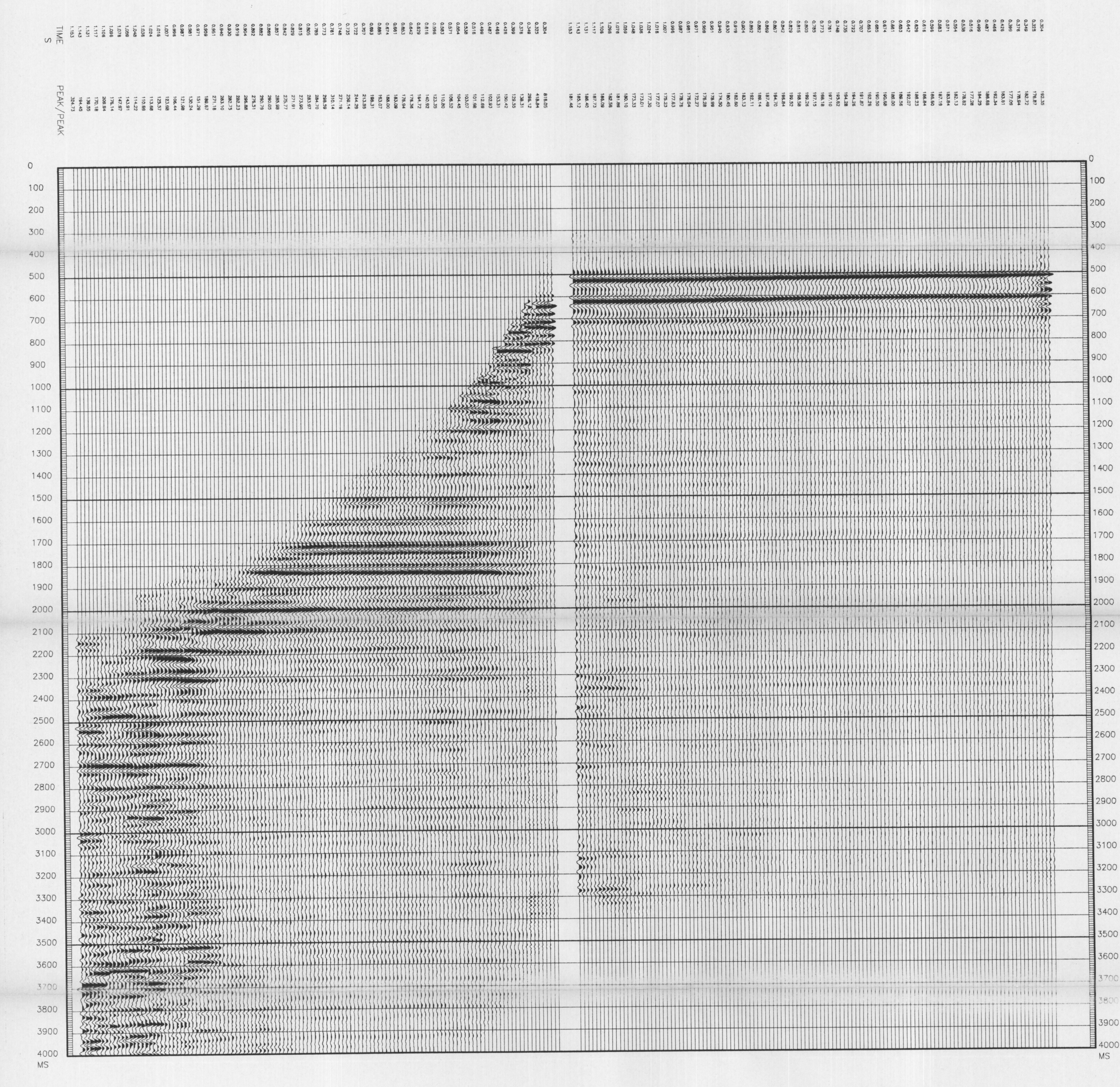
5 cm

3.1 DOWNGOING EVENTS AFTER VELOCITY FILTER

COMPANY : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1

9 LEVEL VELOCITY FILTER.
CORRECTED TO SRD IN TWO WAY TIME.
THE DOWNGOING EVENTS HAVE BEEN ALIGNED AND
SHIFTED TO AN ARBITRARY TIME ORIGIN OF 500MS.
TRACES DISPLAYED IN NORMAL POLARITY.
X-AXIS SCALE = 3.75IN/SEC
Y-AXIS SCALE = LEVEL NUMBER

LEVEL DEPTH M TIME S PEAK/PEAK



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CLIENT : AMOCO
FIELD : WILDCAT
WELL : YOLLA 1