SGS Expertest Seismic Services

SGS

VELOCITY SURVEY

WOMBAT#3

OTWAY BASIN

VICTORIA

for

LAKES OIL

recorded by

EXPERTEST Pty. Ltd.

processed by

SGS EXPERTEST Pty. Ltd.

Adelaide, Australia

21-11-2004

Velpro 1.0

<u>CONTENTS</u>

CLIENT : Lakes Oil   NAME : Wombat#3   DATE :   4/11/04

WELLHEAD

A
Dist. 5.7m
Brg. 150'
Elev. 19.0m

B
Dist.   14.0m
Brg.   120'
Elev.   19.0m

C
Dist.   24.5m
Brg.   100'
Elev.   19.0m

D
Dist. 24.5m
Brg. 085'
Elev. 17.5m

Comments :

WOMBAT#3

SHOT POINT LOCATION SKETCH

LAKES OIL

Figure 1

SUMMARY

Expertest Pty. Ltd. conducted a velocity survey for LAKES OIL in the WOMBAT#3 well, Otway Basin, Victoria. The date of the survey was the Thursday, 4 November 2004.

The results of the survey were used to calibrate the Sonic Log.

The energy source used was an explosive (Powergel).

GENERAL INFORMATION

Name of Well   : WOMBAT#3

Coordinates   : Latitude 147° 08' 57" E
                       : Longitude 38° 21' 28" S

Location   : Otway Basin, Victoria

Date of Survey   : Thursday, 4 November 2004

Wireline Logging   : Reeves Wireline

Weather   : FINE

Operational Base   : Brisbane

Operator   : DON BLICK

Shooter   : GEOFF CLIFFORD

Client Representative : TIM O'BRIEN

EQUIPMENT

Downhole Tool

Veldata Camlock Tool 100 (90 mm dia.)

Sensors:
6 HIS 4.5Hz, 215 ohm, high temperature (300° F)
detectors, connected in series – parallel.
Frequency response, 8 – 300 Hz, within 3 dB

Preamplifier:
48 dB fixed gain.
Frequency response, 8 – 200 Hz, within 3 dB

Reference Geophone:
Mark Products L1, 4.5 Hz

Recording Instrument

System ID, VDLS 16 Recording system

Windows based high resolution seismic acquisition system

Computer   : Pentium™ portable computer
Resolution   : A/D conversion, 16 bit
Dynamic Range   : 96 dB
Total Gain   : 134.dB
Data Channels   : 8 maximum
Display   : A4 inkjet printer, 300 DPI

RECORDING

Energy Source   : POWERGEL

Shot Location   : Mud Pit

Charge Size   : 1.0

D & E Shot Depth   : 1

Mud Pit Shot Offset   : 0 METRES

Recording Geometry : see Figure 1 "Shot Point Location Sketch"

Shots were recorded on 3 ½ " floppy disk. Print outs of the shots used are included with this report.

The sample rate was 500 uSec across the entire survey.

Channel Allocation

Channel 1   : Auxiliary ch.1, surface channel

Channel 2   : Auxiliary ch. 2, surface channel

Channel 3   : Time Break Confirmation

Channel 4   : Downhole Geophone

PROCESSING

Elevation Data

Elevation of KB   : 22.6 METRES above sea level

Elevation of Ground   : 19 METRES above sea level

Elevation of Datum   : 0 METRES above sea level

Depth Surveyed   : 2142 METRES below KB

Depth of Casing   : 2180 METRES below KB

Sonic Log Interval   : 1348 to 2142 METERS below KB

Shot Location Data

Shot A : Elevation   19.0   Offset 5.7   Units METRES
Shot B : Elevation   19.0   Offset 14.0   Units METRES
Shot C : Elevation   19.0   Offset 24.5   Units METRES
Shot D : Elevation   17.5   Offset 24.5   Units METRES

Instrument Delay : 6.5 MSec
Surface Velocity : 1000 m/sec

Recorded Data

Number of shots recorded   :29

Number of shots processed   :29

Number of levels recorded   :20

Data quality   :good

Noise levels   :moderate

Correction for Instrument Delay and Shot Offset

The first arrival times from the auxiliary surface channels were used to calculate pit fatigue corrections, which were then applied to the times recorded for the downhole channel. These pit fatigue corrections are shown in TABLE 1.

TABLE 2 shows the corrections for instrument delay and for shot offset. The one-way vertical datum to geophone times (T(gd)) shown in TABLE 2 were used to calibrate the sonic log. The corrected times (T(corr)) shown in TABLE 2 are the recorded times plus any corrections for pit fatigue. The one-way vertical surface to geophone times (T(vert)) in TABLE 2 have been obtained by

- Subtraction of the instrument delay from the corrected first arrival time

- Geometric corrections to give vertical times, and correct for shot offset

- Shot static correction to correct for the depth of the shot below ground level at the wellhead using a correction velocity of 600 m/sec

The one-way vertical geophone to datum time (T(gd)) was then obtained by subtracting the surface to datum time of 11.3 msec from T(vert). A velocity of 2000 m/sec was used to calculate the offset. As the well had been cased a datum shot was not available. The one-way vertical geophone to datum times were used to plot the Time – Depth Curve, Figure 2.

Calibration of Sonic Log – Method

Sonic times were adjusted to checkshot times using a polynomial derived least squares fit correction to the sonic transient times. The section of sonic log inside casing was excluded from the calibration.

Differences between the shot and sonic times occur as the sonic tool measures the local velocity characteristics of the formation with a relatively high frequency signal, whereas the downhole geophone records the bulk velocity with a signal of significantly lower frequency.

Calibration of Sonic Log – Results

The Sonic data used was the 3'-5' Compensated Sonic measured in μsec / ft from the Sonic Log run by Reeves Wireline before the well was cased. The discrepancies between shot and sonic interval velocities were generally small. Checkshot intervals of less than 15 or 20m tend to yield anomalous interval times, but there is no evidence of that, as can be seen in TABLE 3. The largest discrepancy of –5.17μsec / m occurred over the interval to 1510.4m.

The total sonic drift over the well was 5.4 msec.

The calibrated sonic times were then used to calculate the average, Interval and RMS velocities and to plot the velocity curves. TABLE 4 shows the velocities calculated from the calibrated sonic times, and these velocities are plotted in figure 3. The interval velocities at TD are extremely high.

Trace Playouts

Figure 4A is a shot order plot of all raw data traces used

Figure 4B is a depth order plot of selected data traces

Figure 4C is a plot of the auxiliary surface channels 1 & 2

Figure 4D is a plot of the Time Break Confirmation, Channel 3.

TABLE 1

Corrections for Pit Fatigue

WELL: WOMBAT#3   CLIENT: LAKES OIL

Shot #	First break Ch 1	First break Ch 2	Ch 1 Correction	Ch 2 Correction	Correction, msec
1	74.00	71.50	-4.03	0.01	**-2.00**
5	54.00	67.50	3.98	4.18	**4.00**
6	51.50	73.50	4.52	-1.79	**1.50**
7	50.50	73.50	3.93	-1.75	**1.00**
8	52.50	76.00	0.68	-4.22	**-2.00**
9	52.50	69.50	-0.27	2.32	**1.00**
10	52.50	71.50	-0.94	0.35	**-0.50**
11	56.00	74.50	-4.86	-2.60	**-3.50**
12	56.00	72.50	-5.06	-0.56	**-3.00**
13	52.50	71.50	-1.56	0.49	**-0.50**
14	54.00	69.50	-2.90	2.55	0.00
15	51.50	69.50	-0.09	2.62	**1.50**
16	50.50	72.50	1.32	-0.30	**0.50**
17	53.00	71.50	-0.68	0.79	0.00
18	51.50	71.50	1.37	0.89	**1.00**
19	51.50	70.50	1.96	2.00	**2.00**
20	50.50	75.50	3.54	-2.87	**0.50**
21	53.50	73.50	1.09	-0.73	0.00
22	55.50	73.50	-0.42	-0.57	**-0.50**
23	53.50	75.50	2.00	-2.39	0.00
24	58.00	74.50	-2.20	-1.20	**-1.50**
25	56.00	72.50	-0.04	1.02	**0.50**
26	56.00	72.50	-0.05	1.25	**0.50**
27	57.00	73.50	-1.26	0.51	**-0.50**

WOMBAT#3 Pit Fatigue

$y = 1.95438285E\text{-}04x^3 - 4.02455387E\text{-}03x^2 + 6.11798575E\text{-}02x + 7.14496843E\text{+}01$

$y = -4.65288366E\text{-}03x^3 + 2.64976080E\text{-}01x^2 - 4.44430901E\text{+}00x + 7.41546706E\text{+}01$

Legend: Ch 1, Ch 2, Poly. (Ch 1), Poly. (Ch 2)

Axis labels: mSec (y-axis), Shot # (x-axis)

Velocity Data Pty. Ltd.
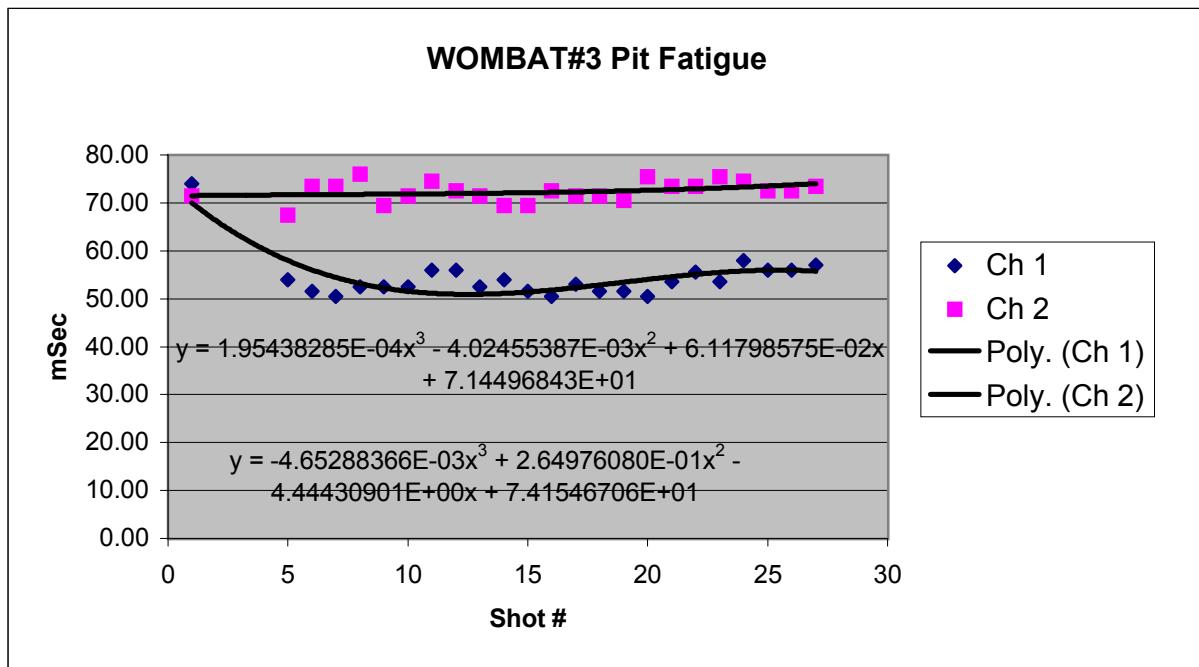
COMPANY : LAKES OIL
WELL : WOMBAT#3
SURVEY DATE : Thursday, 4 November 2004

Elevations :	datum	0.0
	gl	19.0
	kb	22.6

Latitude: 147 08 57 E
Longitude: 38 21 28 S

Shot Data :		elevation	offset
	shot a	19.0	5.7
	shot b	19.0	14.0
	shot c	19.0	24.5
	shot d	17.5	24.5

Survey units : METRES
Times: mSec

Energy source : POWERGEL
Rig identification : HUNT 2
Logger : DON BLICK

| Instrument delay: | 6.50 |
| Surface velocity: | 1000.00 |

Time to datum: 11.30

TABLE 2

Corrections for shot offset

WELL: WOMBAT#3   CLIENT: LAKES OIL   Time to Datum :   11.30 mSec

shot #	shot		geophone depth		T(rec)	T(corr)	T(vert)	T(gd)	T(gd) Average	Check shot interval		Velocities		
	location	depth	kb	datum						distance	time	Average	Interval	RMS
2	A	1.00	1348.0	1325.4	590.0	590.0	583.5	575.2						
3	B	1.00	1348.0	1325.4	590.0	590.0	583.5	575.2						
4	C	1.00	1348.0	1325.4	591.5	591.5	584.9	576.6						
27	D	1.00	1348.0	1325.4	596.5	596.0	589.4	581.1						
5	D	1.00	1348.0	1325.4	593.0	597.0	590.4	582.1						
1	D	1.00	1348.0	1325.4	591.0	589.0	582.4	574.1	577.4	1325.4	577.4	2295.6	2295.6	2295.6
26	D	1.00	1364.0	1341.4	597.0	597.5	590.9	582.6	582.6	16.0	5.2	2302.4	3062.6	2303.6
25	D	1.00	1373.0	1350.4	600.5	601.0	594.4	586.1	586.1	9.0	3.5	2304.0	2570.9	2305.3
24	D	1.00	1442.0	1419.4	624.5	623.0	616.4	608.1	608.1	69.0	22.0	2334.1	3135.5	2340.4
23	D	1.00	1513.0	1490.4	645.0	645.0	638.4	630.1	630.1	71.0	22.0	2365.3	3226.5	2377.0
22	D	1.00	1533.0	1510.4	647.0	646.5	639.9	631.6	631.6	20.0	1.5	2391.3	13314.9	2461.3
21	D	1.00	1569.0	1546.4	661.5	661.5	654.9	646.6	646.6	36.0	15.0	2391.5	2399.7	2459.9
20	D	1.00	1668.0	1645.4	688.5	689.0	682.4	674.1	674.1	99.0	27.5	2440.8	3599.1	2516.5
19	D	1.00	1712.0	1689.4	700.0	702.0	695.4	687.1	687.1	44.0	13.0	2458.6	3384.0	2535.7
18	D	1.00	1760.0	1737.4	717.0	718.0	711.4	703.1						
6	D	1.00	1760.0	1737.4	718.0	719.5	712.9	704.6	703.9	48.0	16.8	2468.3	2865.3	2544.0
17	D	1.00	1811.0	1788.4	729.5	729.5	722.9	714.6	714.6	51.0	10.8	2502.5	4742.9	2591.0
16	D	1.00	1833.0	1810.4	732.0	732.5	725.9	717.6	717.6	22.0	3.0	2522.7	7330.0	2628.6
15	D	1.00	1900.0	1877.4	748.0	749.5	742.9	734.6	734.6	67.0	17.0	2555.5	3940.4	2666.3
14	D	1.00	1913.0	1890.4	751.5	751.5	744.9	736.6	736.6	13.0	2.0	2566.3	6497.7	2684.1
13	D	1.00	1961.0	1938.4	762.5	762.0	755.4	747.1	747.1	48.0	10.5	2594.4	4570.5	2719.7
12	D	1.00	2017.0	1994.4	779.0	776.0	769.4	761.1	761.1	56.0	14.0	2620.3	3999.3	2748.7
11	D	1.00	2042.0	2019.4	788.5	785.0	778.4	770.1	770.1	25.0	9.0	2622.1	2777.5	2749.0
10	D	1.00	2083.0	2060.4	796.0	795.5	788.9	780.6	780.6	41.0	10.5	2639.4	3904.2	2767.7
9	D	1.00	2104.0	2081.4	798.0	799.0	792.4	784.1	784.1	21.0	3.5	2654.4	5998.5	2790.5
8	D	1.00	2142.0	2119.4	805.0	803.0	796.4	788.1						
7	D	1.00	2142.0	2119.4	804.5	805.5	798.9	790.6	789.4	38.0	5.3	2684.8	7235.9	2843.1

TABLE 3   Checkshot / Sonic Deviation Data

WELL :   WOMBAT#3   CLIENT: LAKES OIL

Depth m(datum)	T(Sonic) datum, mSec	T(Checkshot) datum, mSec	Deviation Shot-Sonic	Sonic Interval mSec	Shot Interval mSec	Interval Correction mSec	Cumulated Correction
1325.4	577.4	577.4	0.0				0.0
1341.4	581.4	582.6	1.2	4.0	5.2	1.2	1.2
1350.4	583.4	586.1	2.7	2.0	3.5	1.5	2.7
1419.4	612.7	608.1	-4.6	29.3	22.0	-7.3	-4.6
1490.4	634.1	630.1	-4.0	21.5	22.0	0.5	-4.0
1510.4	639.4	631.6	-7.8	5.3	1.5	-3.8	-7.8
1546.4	649.6	646.6	-3.0	10.2	15.0	4.8	-3.0
1645.4	677.5	674.1	-3.4	27.9	27.5	-0.4	-3.4
1689.4	689.8	687.1	-2.6	12.3	13.0	0.7	-2.6
1737.4	702.3	703.9	1.5	12.6	16.8	4.2	1.5
1788.4	715.2	714.6	-0.5	12.8	10.8	-2.1	-0.5
1810.4	720.6	717.6	-3.0	5.4	3.0	-2.4	-3.0
1877.4	736.8	734.6	-2.2	16.2	17.0	0.8	-2.2
1890.4	739.8	736.6	-3.1	3.0	2.0	-1.0	-3.1
1938.4	751.3	747.1	-4.2	11.5	10.5	-1.0	-4.2
1994.4	765.2	761.1	-4.1	13.9	14.0	0.1	-4.1
2019.4	771.5	770.1	-1.4	6.3	9.0	2.7	-1.4
2060.4	781.5	780.6	-0.8	9.9	10.5	0.6	-0.8
2081.4	786.5	784.1	-2.4	5.0	3.5	-1.5	-2.4
2119.4	794.7	789.4	-5.4	8.2	5.3	-3.0	-5.4

Polynomial deviation

$y = -1.31565488E-14x^6 + 1.35590837E-10x^5 - 5.78854651E-07x^4 + 1.31006518E-03x^3 - 1.65750527E+00x^2 + 1.11140490E+03x - 3.08525377E+05$
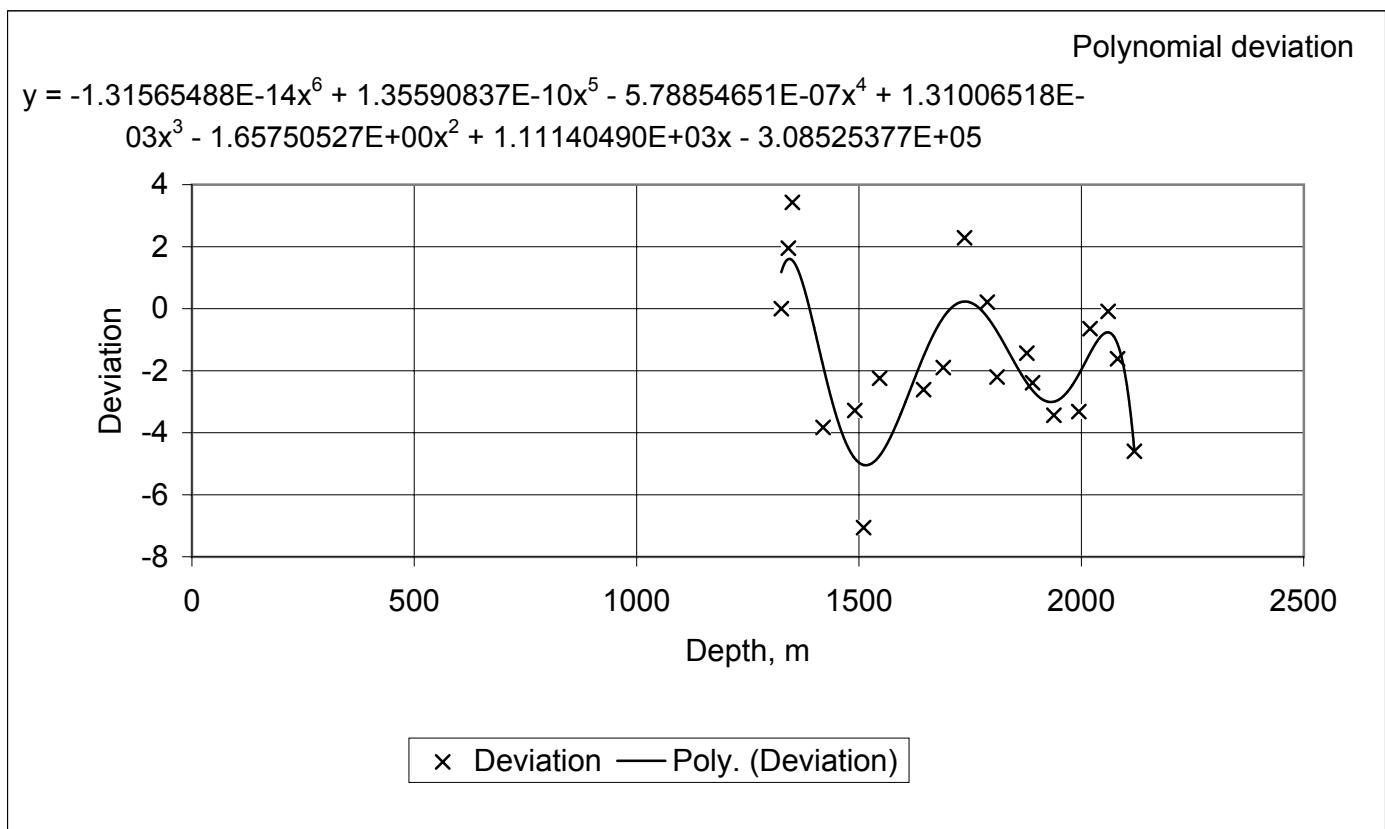
Table 4.1   Time Depth Curve Values

WELL: WOMBAT#3   CLIENT :   LAKES OIL
Calibrated Sonic Velocities used for calculations

Depth m(datum)	T(sonic) datum, msec	Velocities Interval	Velocities Average	RMS	Depth m(datum)	T(sonic) datum, msec	Velocities Interval	Velocities Average	RMS
1325.4	**578.6**	**2291**	**2291**	**2291**	**1546.4**	**644.9**	**3319**	**2398**	**2428**
1330.0	579.8	3680	2294	2295	1550.0	646.0	3208	2399	2430
1335.0	581.2	3475	2297	2298	1555.0	647.6	3173	2401	2432
1340.0	582.7	3466	2300	2302	1560.0	649.0	3389	2404	2435
1341.4	**583.0**	**4410**	**2301**	**2304**	1565.0	650.6	3189	2405	2437
1345.0	583.8	4613	2304	2308	1570.0	652.2	3231	2407	2439
1350.0	584.9	4472	2308	2314	1575.0	653.7	3295	2409	2441
1350.4	**585.0**	**4851**	**2308**	**2315**	1580.0	655.2	3368	2412	2444
1355.0	586.3	3496	2311	2318	1585.0	656.7	3163	2413	2446
1360.0	589.4	1587	2307	2315	1590.0	658.3	3272	2415	2448
1365.0	592.0	1980	2306	2314	1595.0	659.8	3270	2417	2450
1370.0	594.0	2498	2306	2314	1600.0	661.4	3104	2419	2452
1375.0	595.9	2639	2308	2315	1605.0	663.0	3182	2421	2454
1380.0	597.5	3125	2310	2318	1610.0	664.6	3134	2423	2456
1385.0	599.3	2694	2311	2319	1615.0	666.1	3191	2424	2458
1390.0	600.9	3120	2313	2322	1620.0	667.7	3128	2426	2460
1395.0	602.6	2960	2315	2324	1625.0	669.3	3194	2428	2462
1400.0	604.3	2933	2317	2326	1630.0	670.9	3125	2430	2463
1405.0	606.0	3056	2319	2328	1635.0	672.5	3138	2431	2465
1410.0	607.7	2822	2320	2330	1640.0	674.2	2942	2433	2466
1415.0	609.4	2990	2322	2332	1645.0	675.8	3069	2434	2468
1419.4	**610.8**	**3072**	**2324**	**2334**	**1645.4**	**676.0**	**3142**	**2434**	**2468**
1420.0	611.0	3671	2324	2334	1650.0	677.4	3165	2436	2470
1425.0	612.3	3836	2327	2338	1655.0	678.9	3334	2438	2472
1430.0	613.6	3766	2330	2342	1660.0	680.5	3219	2440	2474
1435.0	614.9	3979	2334	2347	1665.0	682.0	3321	2441	2476
1440.0	616.1	4147	2337	2352	1670.0	683.5	3266	2443	2478
1445.0	617.5	3687	2340	2356	1675.0	685.0	3294	2445	2481
1450.0	618.8	3754	2343	2359	1680.0	686.6	3152	2447	2482
1455.0	620.1	3862	2346	2364	1685.0	688.1	3236	2449	2484
1460.0	621.4	3917	2350	2368	**1689.4**	**689.5**	**3294**	**2450**	**2486**
1465.0	622.6	3875	2353	2372	1690.0	689.7	3254	2450	2486
1470.0	624.0	3791	2356	2376	1695.0	691.1	3452	2453	2489
1475.0	625.2	3936	2359	2380	1700.0	692.5	3490	2455	2491
1480.0	626.5	3868	2362	2384	1705.0	694.0	3548	2457	2494
1485.0	627.9	3763	2365	2388	1710.0	695.3	3660	2459	2497
1490.0	629.2	3671	2368	2391	1715.0	696.7	3728	2462	2500
1490.4	**629.3**	**4071**	**2368**	**2392**	1720.0	698.0	3813	2464	2503
1495.0	630.4	4165	2371	2396	1725.0	699.4	3606	2467	2505
1500.0	631.6	4074	2375	2400	1730.0	700.7	3797	2469	2508
1505.0	632.9	3938	2378	2404	1735.0	702.0	3782	2472	2511
1510.0	634.3	3731	2381	2408	**1737.4**	**702.6**	**4225**	**2473**	**2513**
1510.4	**634.4**	**3105**	**2381**	**2408**	1740.0	703.2	3987	2474	2515
1515.0	635.8	3346	2383	2411	1745.0	704.5	4002	2477	2518
1520.0	637.2	3504	2385	2414	1750.0	705.7	3971	2480	2522
1525.0	638.6	3562	2388	2417	1755.0	707.0	4096	2482	2525
1530.0	640.0	3536	2391	2420	1760.0	708.1	4322	2485	2529
1535.0	641.5	3440	2393	2423	1765.0	709.3	4353	2489	2533
1540.0	642.9	3415	2395	2425	1770.0	710.5	4090	2491	2537
1545.0	644.4	3277	2397	2428	1775.0	711.7	3989	2494	2540

Table 4.2 Time Depth Curve Values

WELL: WOMBAT#3   CLIENT :   LAKES OIL

Calibrated Sonic Velocities used for calculations

Depth m(datum)	T(sonic) datum, msec	Velocities Interval	Velocities Average	Velocities RMS	Depth m(datum)	T(sonic) datum, msec	Velocities Interval	Velocities Average	Velocities RMS
1780.0	713.0	4040	2497	2544	2000.0	764.6	3658	2616	2696
1785.0	714.1	4342	2500	2547	2005.0	766.0	3757	2618	2698
1788.4	**714.9**	**4370**	**2502**	**2550**	2010.0	767.4	3444	2619	2700
1790.0	715.3	4027	2502	2551	2015.0	768.9	3374	2621	2701
1795.0	716.5	4075	2505	2555	**2019.4**	**770.1**	**3646**	**2622**	**2703**
1800.0	717.6	4484	2508	2559	2020.0	770.2	3810	2623	2704
1805.0	718.7	4779	2512	2563	2025.0	771.6	3691	2624	2706
1810.0	719.8	4687	2515	2568	2030.0	772.9	3963	2627	2708
1810.4	**719.8**	**4164**	**2515**	**2568**	2035.0	774.1	4128	2629	2711
1815.0	720.9	4319	2518	2572	2040.0	775.3	4193	2631	2714
1820.0	722.1	4366	2521	2575	2045.0	776.6	3778	2633	2716
1825.0	723.2	4427	2524	2579	2050.0	777.9	3969	2635	2718
1830.0	724.2	4763	2527	2584	2055.0	779.1	3874	2638	2721
1835.0	725.3	4849	2530	2588	2060.0	780.6	3422	2639	2722
1840.0	726.3	4709	2533	2593	**2060.4**	**780.7**	**3706**	**2639**	**2722**
1845.0	727.4	4683	2536	2597	2065.0	781.9	3844	2641	2724
1850.0	728.4	4835	2540	2602	2070.0	783.1	4313	2643	2728
1855.0	729.5	4864	2543	2606	2075.0	784.1	4744	2646	2731
1860.0	730.5	4872	2546	2611	2080.0	785.1	5070	2649	2735
1865.0	731.6	4671	2549	2615	**2081.4**	**785.4**	**5378**	**2650**	**2737**
1870.0	732.7	4364	2552	2619	2085.0	786.2	4387	2652	2739
1875.0	733.9	4265	2555	2622	2090.0	787.1	5627	2655	2744
1877.4	**734.4**	**4339**	**2556**	**2624**	2095.0	787.9	6296	2659	2750
1880.0	734.9	4997	2558	2626	2100.0	788.5	7673	2663	2758
1885.0	736.0	4953	2561	2631	2105.0	789.1	8945	2668	2767
1890.0	737.0	4617	2564	2635	2110.0	789.6	9748	2672	2777
1890.4	**737.1**	**4379**	**2565**	**2635**	2115.0	790.0	13154	2677	2791
1895.0	738.2	4239	2567	2638	**2119.4**	**790.1**	**25398**	**2682**	**2816**
1900.0	739.3	4746	2570	2642					
1905.0	740.3	5023	2573	2647					
1910.0	741.5	4120	2576	2650					
1915.0	742.7	4117	2578	2653					
1920.0	743.9	4205	2581	2656					
1925.0	745.1	4210	2584	2660					
1930.0	746.3	3929	2586	2662					
1935.0	747.5	4308	2589	2666					
1938.4	**748.3**	**4171**	**2590**	**2668**					
1940.0	748.7	4050	2591	2669					
1945.0	750.0	3798	2593	2671					
1950.0	751.3	3904	2595	2674					
1955.0	752.6	3908	2598	2676					
1960.0	753.9	3856	2600	2679					
1965.0	755.2	3824	2602	2681					
1970.0	756.5	3753	2604	2683					
1975.0	757.9	3641	2606	2685					
1980.0	759.3	3584	2608	2687					
1985.0	760.6	3945	2610	2690					
1990.0	761.9	3689	2612	2692					
1994.4	**763.1**	**3761**	**2614**	**2694**					
1995.0	763.3	3685	2614	2694					

Figure 2
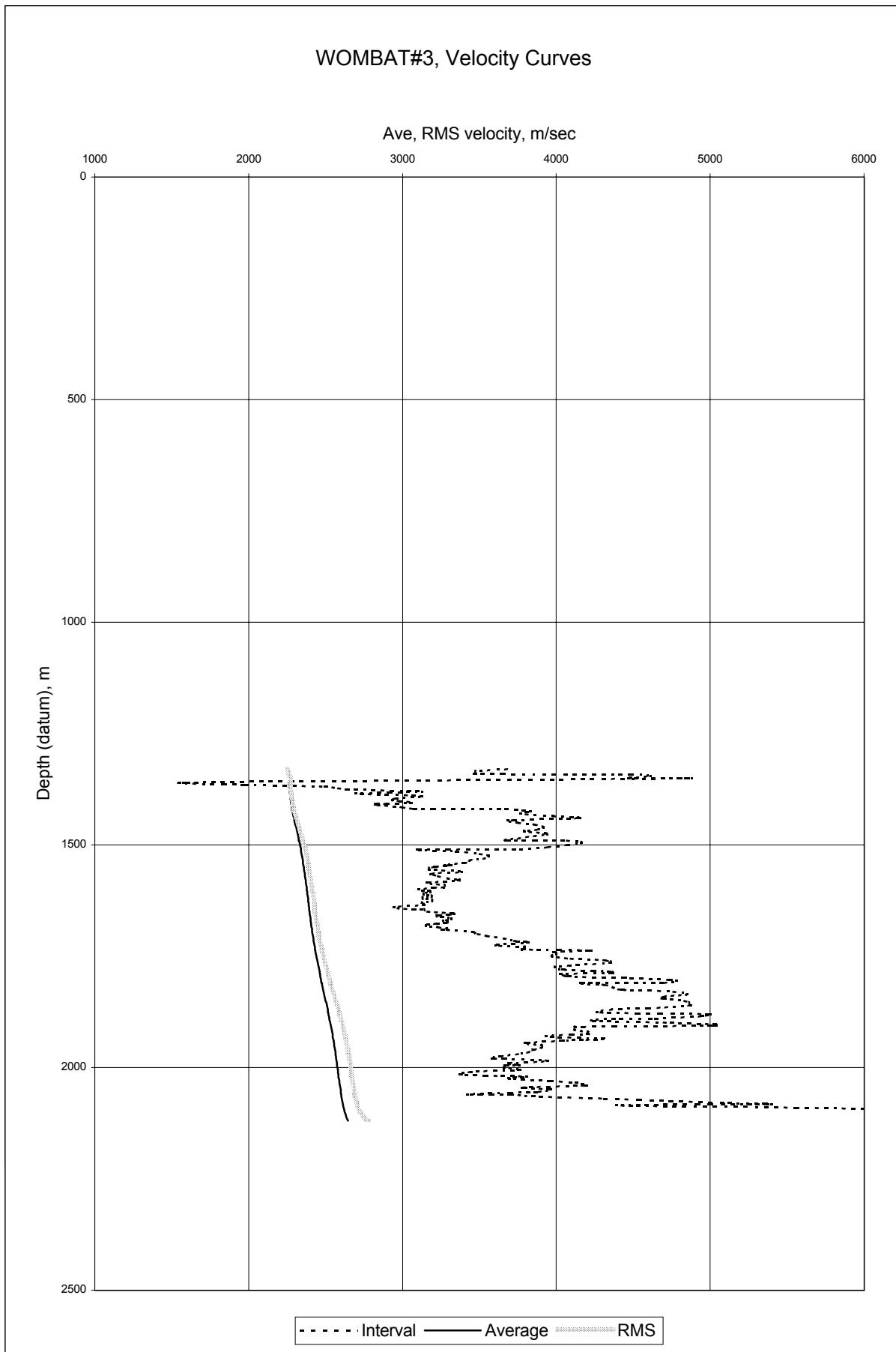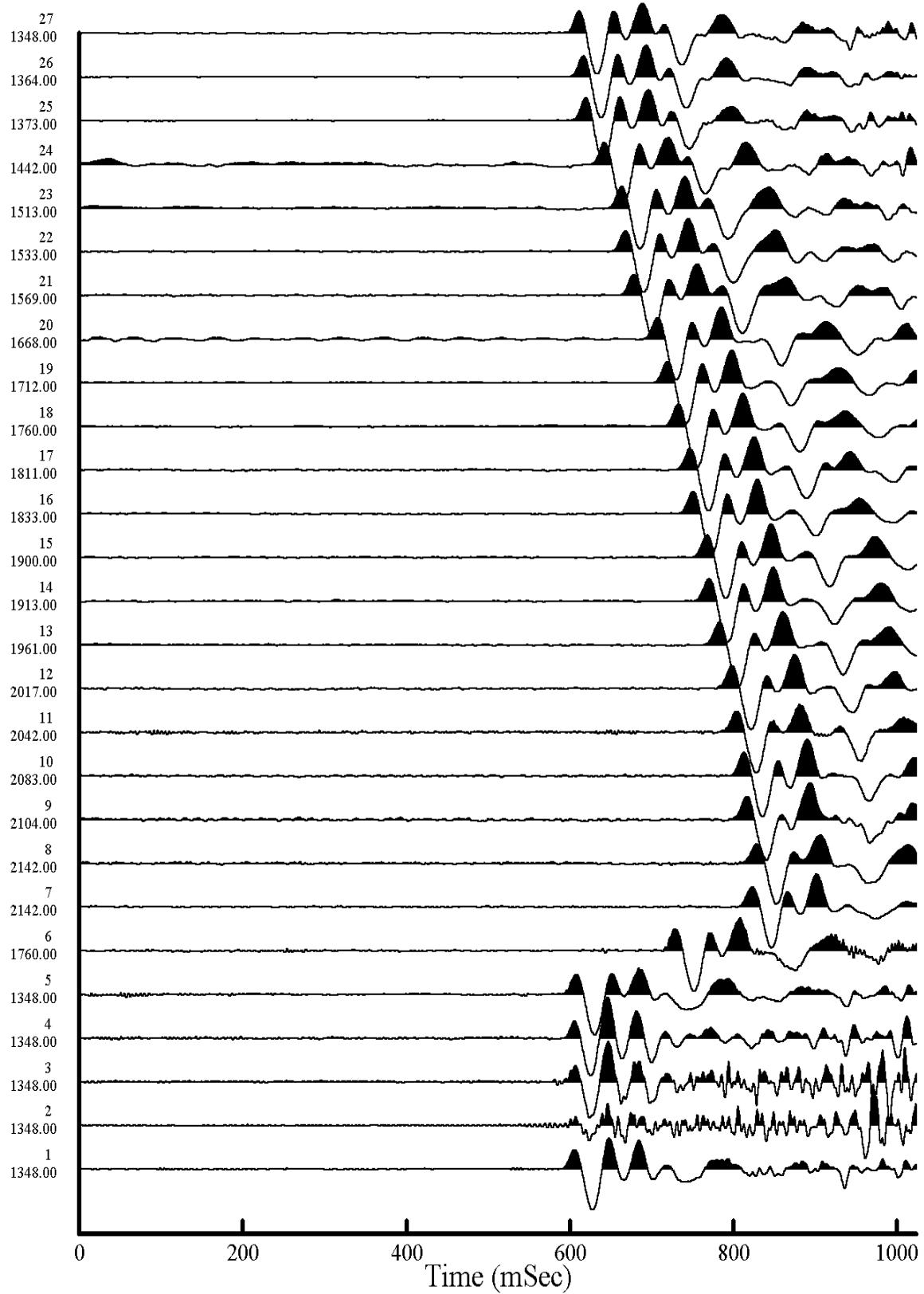
WOMBAT#3 Time - Depth Curve

Figure 3

WOMBAT#3, Velocity Curves
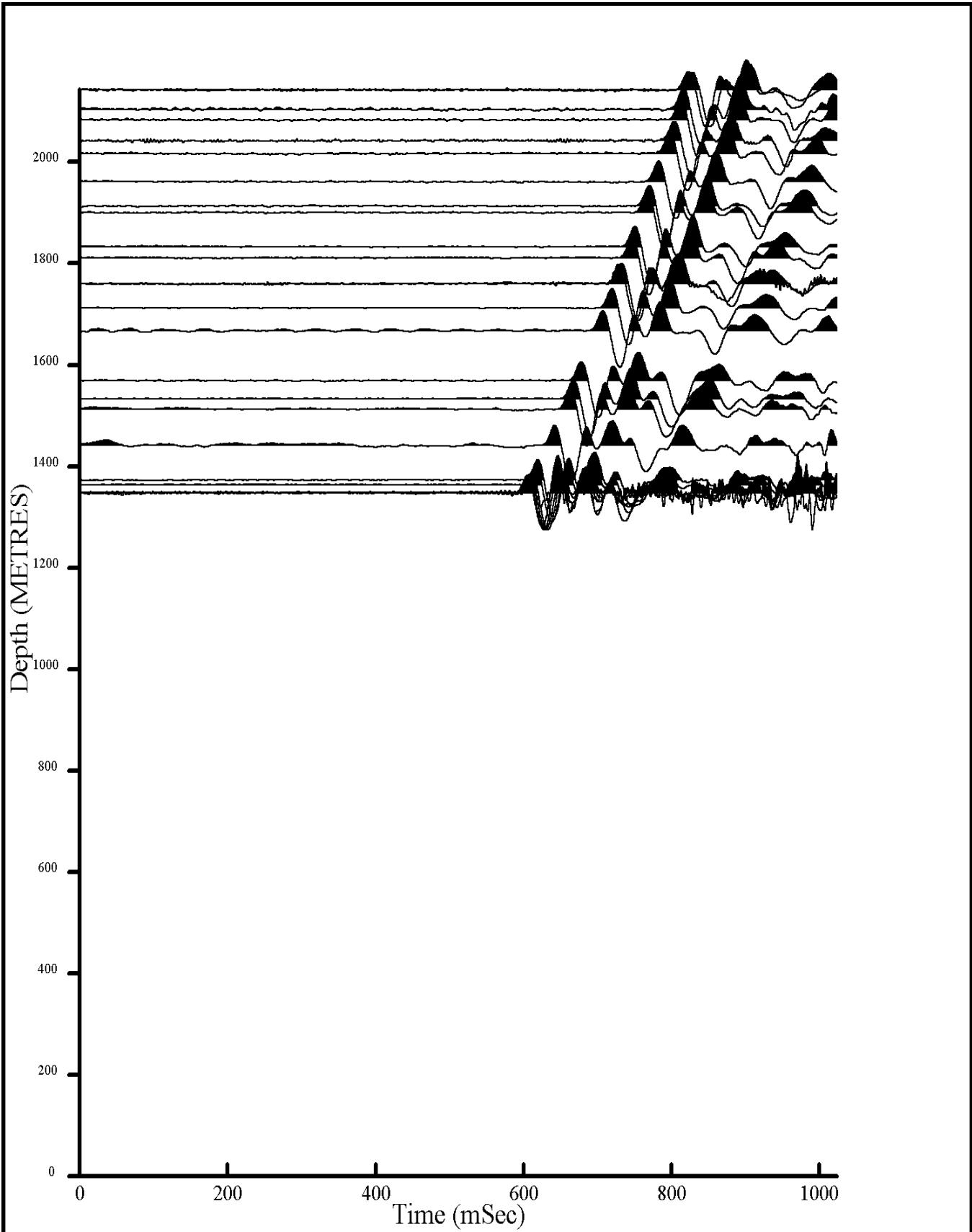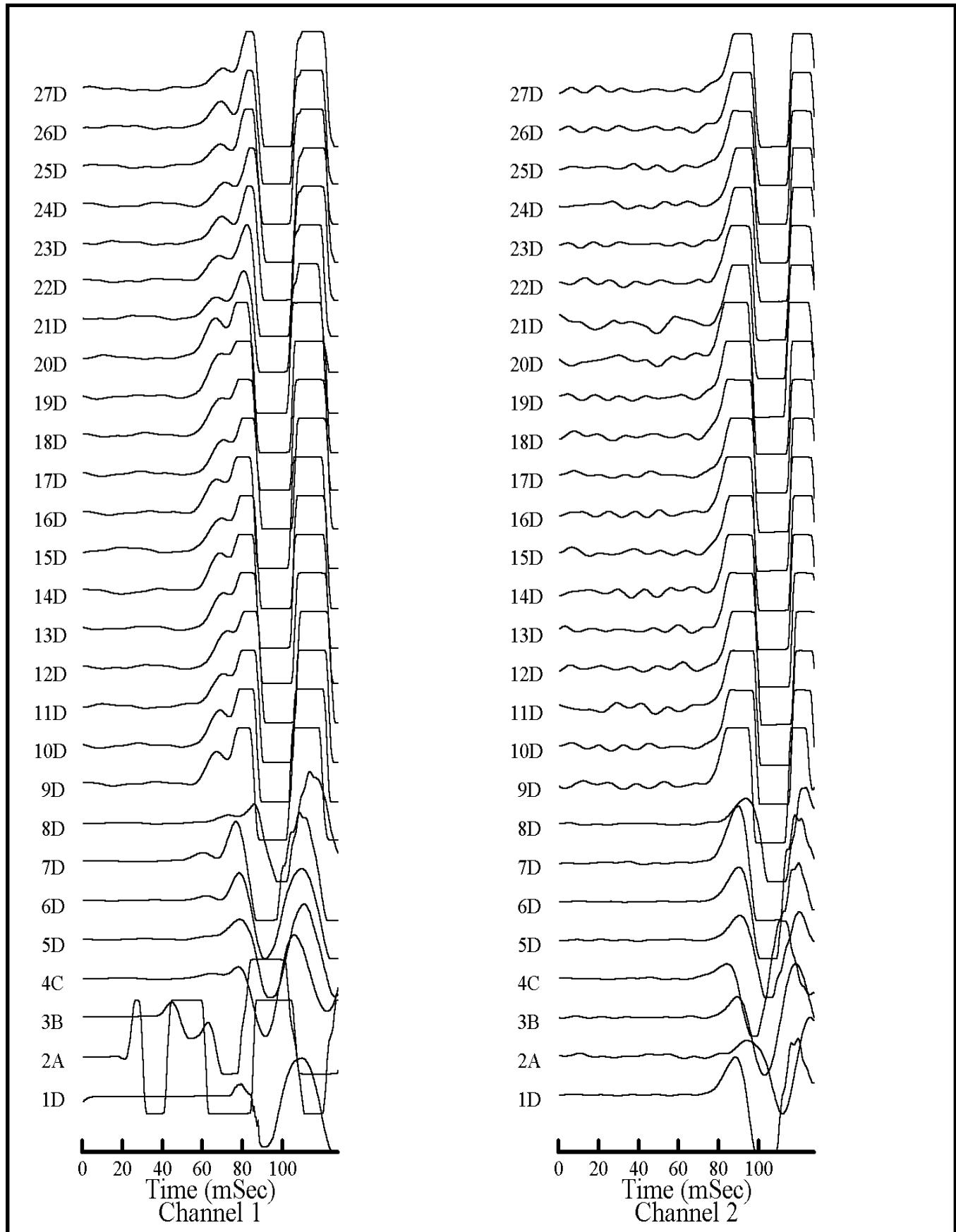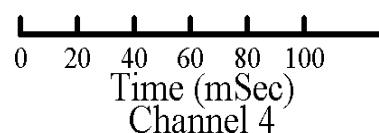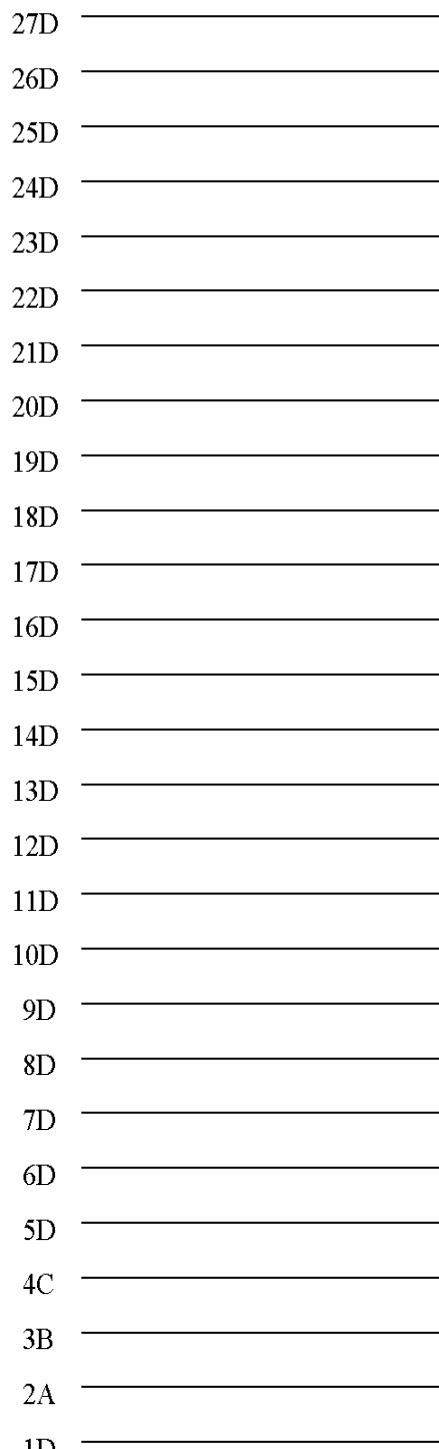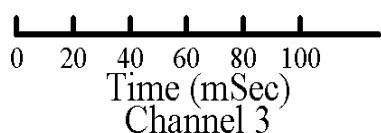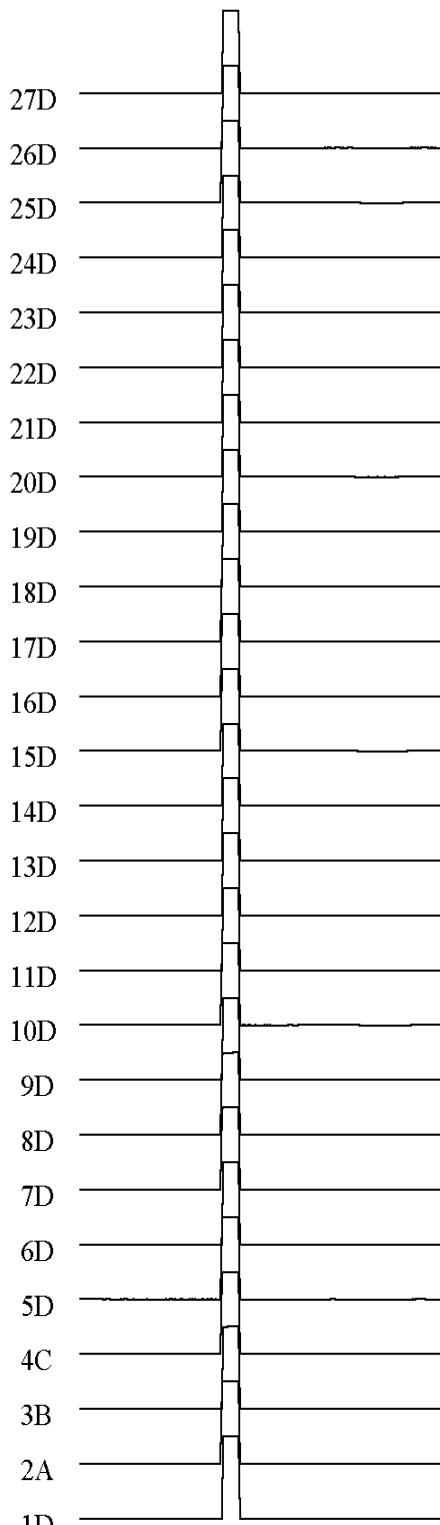
WOMBAT#3

VELOCITY SURVEY TRACE DISPLAY

WOMBAT#3

VELOCITY SURVEY TRACE DISPLAY

WOMBAT#3

VELOCITY SURVEY TRACE DISPLAY
AUXILIARY CHANNELS

Channel 3

Channel 4

WOMBAT#3

VELOCITY SURVEY TRACE DISPLAY
AUXILIARY CHANNELS

Depth   RC   Normal   Reverse   Velocity (km/s)

1.5 3.0 4.5 6.0 7.5

1.1

1.1

start of log

1.2

1.2

1.3

1.3

1.4

1.4

1.5

1.5

2000

end of log

1.6

1.6
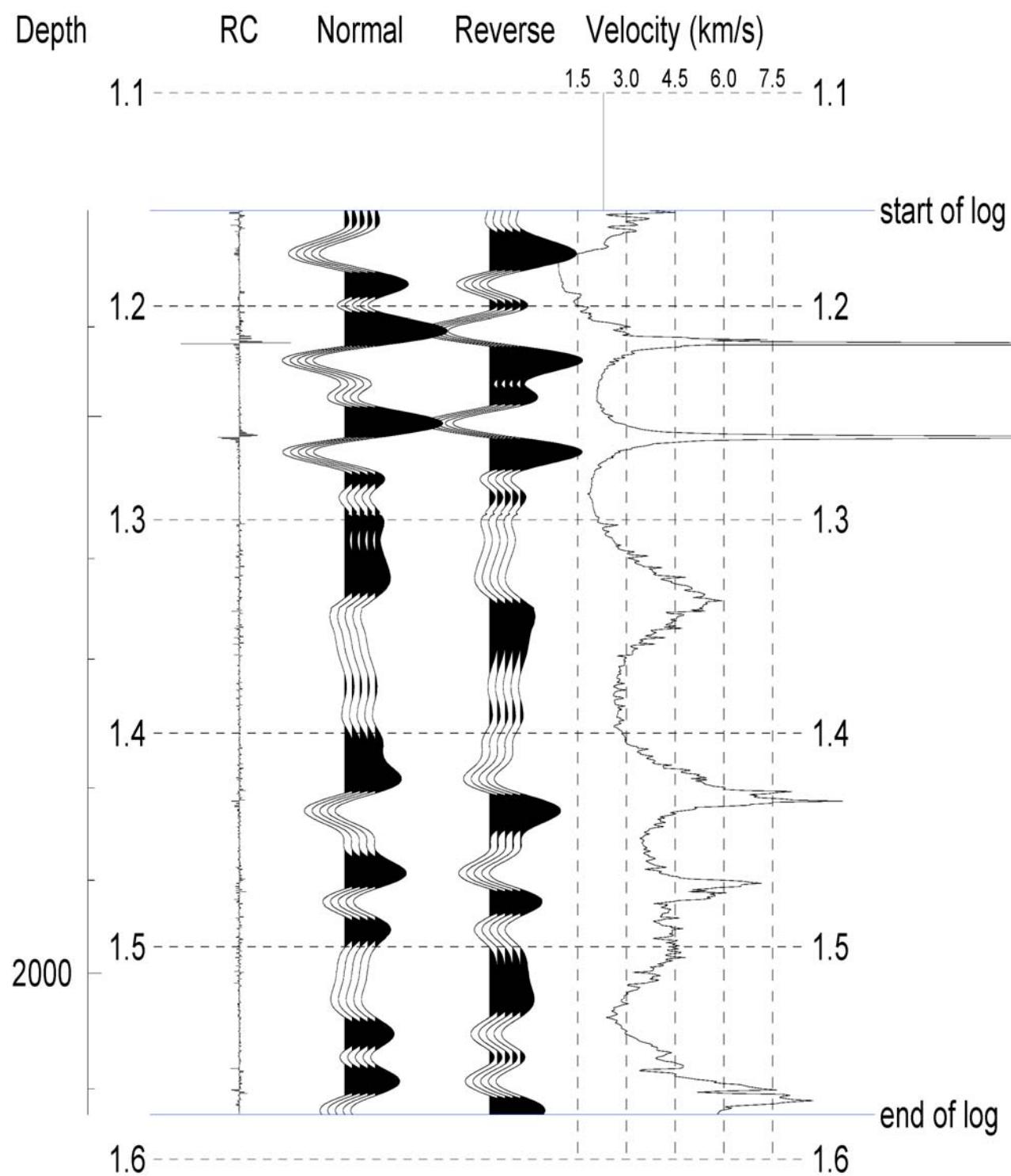
WOMBAT#3

VELOCITY SURVEY TRACE DISPLAY
SYNTHETIC SEISMOGRAM