

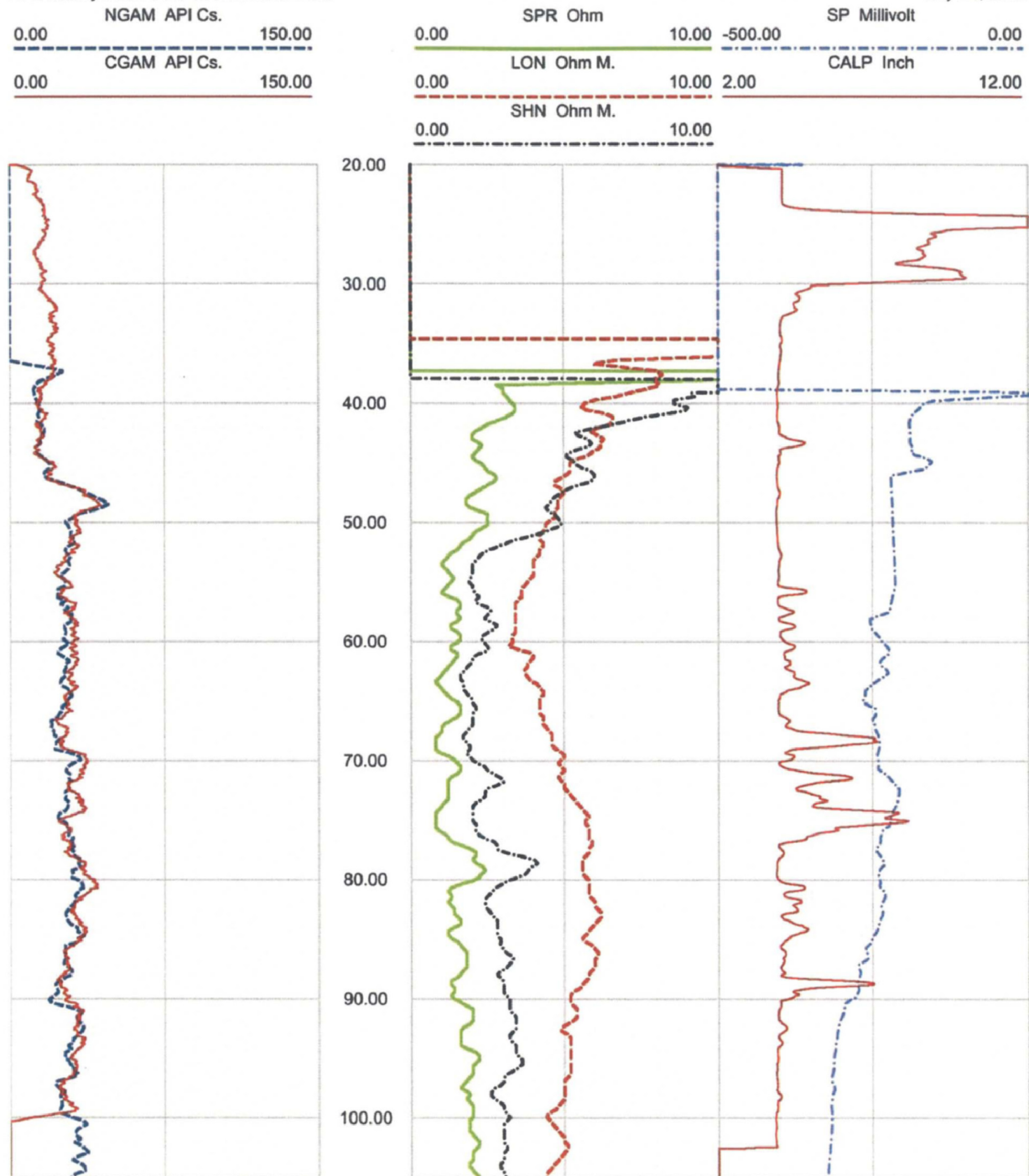


Figure 14. Boring B-604 (DH) upper section, Caliper, Natural gamma, Resistivity and SP logs

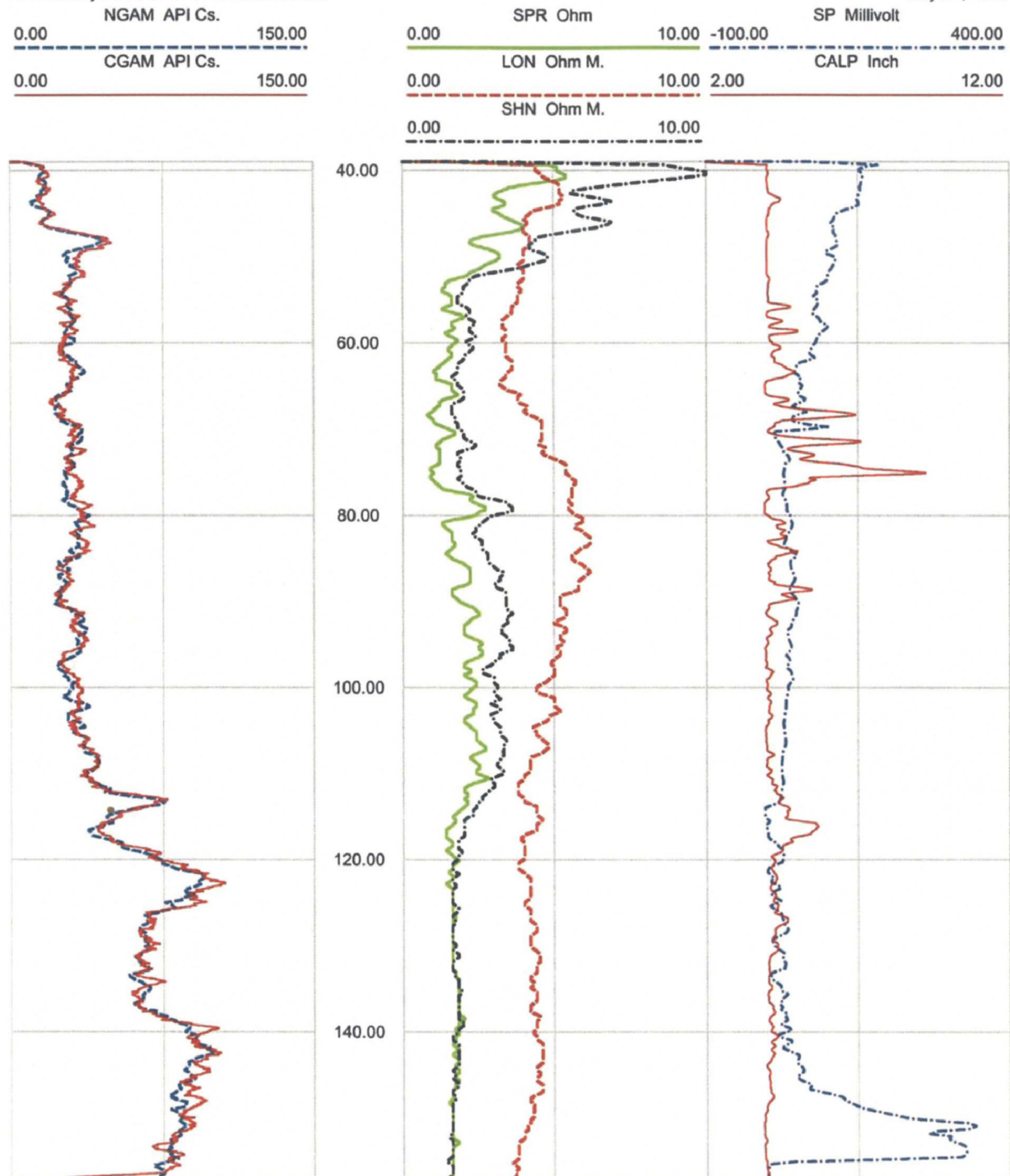


Figure 15. Boring B-604 (DH) lower section, Caliper, Natural gamma, Resistivity and SP logs

Deviated borehole in orthographic projection, viewed from N195

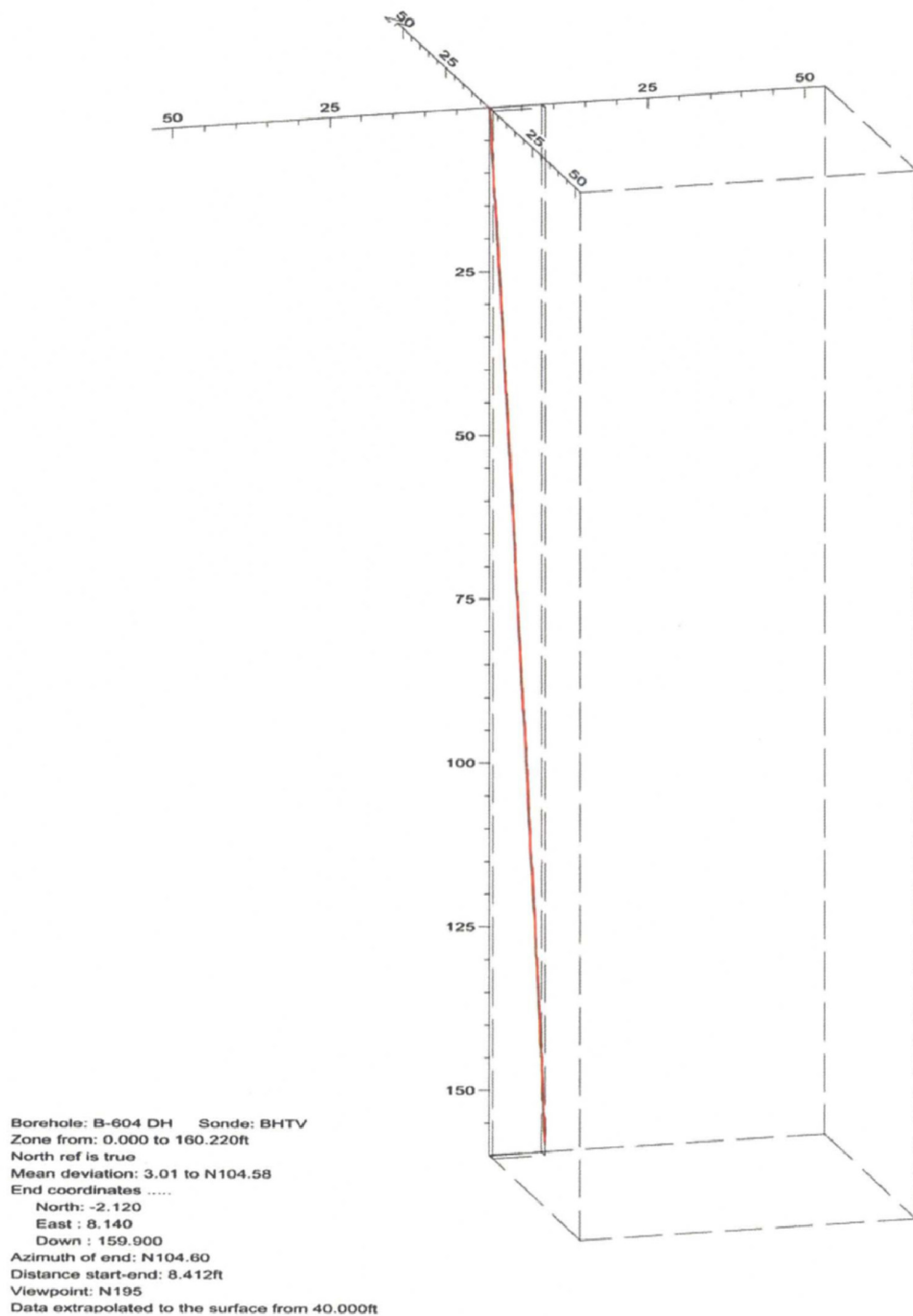


Figure 16. Boring B-604 (DH), Deviation Projection (dimensions in feet)

# FPL Turkey Point COL Boring B-608 (DH) Receiver to Receiver $V_s$ and $V_p$ Analysis

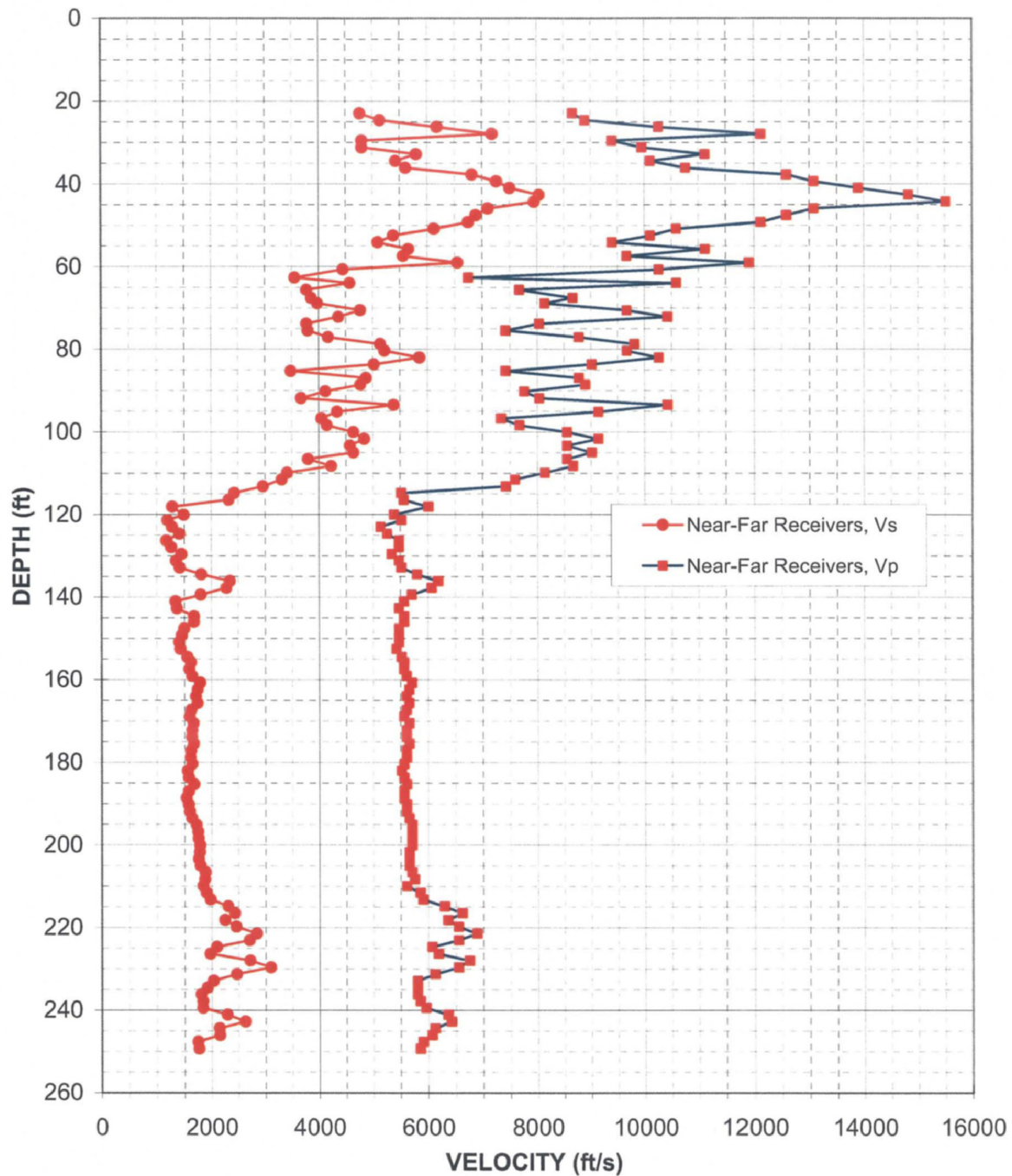


Figure 17: Boring B-608 (DH), Suspension R1-R2 P- and  $S_H$ -wave velocities



| Depth<br>(feet) | V <sub>s</sub><br>(feet/sec) | V <sub>p</sub><br>(feet/sec) | Depth<br>(feet) | V <sub>s</sub><br>(feet/sec) | V <sub>p</sub><br>(feet/sec) | Depth<br>(feet) | V <sub>s</sub><br>(feet/sec) | V <sub>p</sub><br>(feet/sec) |
|-----------------|------------------------------|------------------------------|-----------------|------------------------------|------------------------------|-----------------|------------------------------|------------------------------|
| 23.0            | 4760                         | 8660                         | 105.0           | 4630                         | 9010                         | 187.0           | 1570                         | 5560                         |
| 24.6            | 5130                         | 8890                         | 106.6           | 3790                         | 8550                         | 188.7           | 1530                         | 5560                         |
| 26.3            | 6170                         | 10260                        | 108.3           | 4220                         | 8660                         | 190.3           | 1560                         | 5600                         |
| 27.9            | 7170                         | 12120                        | 109.9           | 3400                         | 8130                         | 191.9           | 1590                         | 5600                         |
| 29.5            | 4800                         | 9390                         | 111.6           | 3300                         | 7580                         | 193.6           | 1630                         | 5650                         |
| 31.2            | 4800                         | 9950                         | 113.2           | 2950                         | 7410                         | 195.2           | 1710                         | 5700                         |
| 32.8            | 5800                         | 11110                        | 114.8           | 2420                         | 5510                         | 196.9           | 1740                         | 5700                         |
| 34.5            | 5420                         | 10100                        | 116.5           | 2310                         | 5560                         | 198.5           | 1750                         | 5700                         |
| 36.1            | 5600                         | 10750                        | 118.1           | 1270                         | 6010                         | 200.1           | 1770                         | 5700                         |
| 37.7            | 6800                         | 12580                        | 120.1           | 1480                         | 5380                         | 201.8           | 1770                         | 5650                         |
| 39.4            | 7250                         | 13070                        | 121.4           | 1190                         | 5510                         | 203.4           | 1750                         | 5650                         |
| 41.0            | 7490                         | 13890                        | 123.0           | 1270                         | 5130                         | 205.1           | 1780                         | 5650                         |
| 42.7            | 8030                         | 14810                        | 124.7           | 1400                         | 5250                         | 206.7           | 1870                         | 5700                         |
| 44.3            | 7940                         | 15500                        | 126.3           | 1170                         | 5460                         | 208.3           | 1860                         | 5750                         |
| 45.9            | 7090                         | 13070                        | 128.0           | 1250                         | 5460                         | 210.0           | 1830                         | 5600                         |
| 47.6            | 6870                         | 12580                        | 129.6           | 1440                         | 5330                         | 211.6           | 1890                         | 5850                         |
| 49.2            | 6730                         | 12120                        | 131.2           | 1340                         | 5460                         | 213.3           | 1970                         | 5900                         |
| 50.9            | 6120                         | 10580                        | 132.9           | 1410                         | 5510                         | 214.9           | 2290                         | 6290                         |
| 52.5            | 5380                         | 10100                        | 134.5           | 1800                         | 5800                         | 216.5           | 2420                         | 6600                         |
| 54.1            | 5090                         | 9390                         | 136.2           | 2330                         | 6170                         | 218.2           | 2240                         | 6350                         |
| 55.8            | 5650                         | 11110                        | 137.8           | 2270                         | 6060                         | 219.8           | 2440                         | 6540                         |
| 57.4            | 5560                         | 9660                         | 139.4           | 1790                         | 5700                         | 221.5           | 2820                         | 6870                         |
| 59.1            | 6540                         | 11900                        | 141.1           | 1330                         | 5560                         | 223.1           | 2690                         | 6540                         |
| 60.7            | 4440                         | 10260                        | 142.7           | 1360                         | 5460                         | 224.7           | 2080                         | 6060                         |
| 62.7            | 3550                         | 6730                         | 144.7           | 1670                         | 5560                         | 226.4           | 1960                         | 6170                         |
| 64.0            | 4570                         | 10580                        | 146.0           | 1670                         | 5560                         | 228.0           | 2700                         | 6730                         |
| 65.6            | 3770                         | 7660                         | 147.6           | 1490                         | 5460                         | 229.7           | 3090                         | 6540                         |
| 67.6            | 3850                         | 8660                         | 149.3           | 1440                         | 5460                         | 231.3           | 2450                         | 6120                         |
| 68.9            | 3970                         | 8130                         | 150.9           | 1390                         | 5460                         | 232.9           | 2020                         | 5800                         |
| 70.5            | 4760                         | 9660                         | 152.6           | 1420                         | 5420                         | 234.6           | 1910                         | 5800                         |
| 72.2            | 4360                         | 10420                        | 154.5           | 1540                         | 5510                         | 236.2           | 1800                         | 5800                         |
| 73.8            | 3770                         | 8030                         | 155.8           | 1610                         | 5560                         | 237.9           | 1830                         | 5850                         |
| 75.5            | 3790                         | 7410                         | 157.5           | 1580                         | 5560                         | 239.5           | 1830                         | 5950                         |
| 77.1            | 4170                         | 8770                         | 159.1           | 1630                         | 5600                         | 241.1           | 2280                         | 6350                         |
| 78.7            | 5130                         | 9800                         | 160.8           | 1780                         | 5700                         | 242.8           | 2610                         | 6410                         |
| 80.4            | 5210                         | 9660                         | 162.4           | 1730                         | 5650                         | 244.4           | 2130                         | 6120                         |
| 82.0            | 5850                         | 10260                        | 164.0           | 1700                         | 5600                         | 246.1           | 2140                         | 6060                         |
| 83.7            | 5010                         | 9010                         | 165.7           | 1730                         | 5650                         | 247.7           | 1740                         | 5900                         |
| 85.3            | 3470                         | 7410                         | 167.3           | 1620                         | 5600                         | 249.3           | 1750                         | 5850                         |
| 86.9            | 4870                         | 8770                         | 169.0           | 1590                         | 5560                         |                 |                              |                              |
| 88.6            | 4760                         | 8890                         | 170.6           | 1650                         | 5650                         |                 |                              |                              |
| 90.2            | 4120                         | 7750                         | 172.2           | 1630                         | 5600                         |                 |                              |                              |
| 91.9            | 3660                         | 8030                         | 173.9           | 1630                         | 5600                         |                 |                              |                              |
| 93.5            | 5380                         | 10420                        | 175.5           | 1660                         | 5650                         |                 |                              |                              |
| 95.1            | 4330                         | 9130                         | 177.2           | 1610                         | 5600                         |                 |                              |                              |
| 96.8            | 4040                         | 7330                         | 178.8           | 1600                         | 5600                         |                 |                              |                              |
| 98.4            | 4140                         | 7660                         | 180.5           | 1630                         | 5560                         |                 |                              |                              |
| 100.1           | 4630                         | 8550                         | 182.1           | 1550                         | 5510                         |                 |                              |                              |
| 101.7           | 4830                         | 9130                         | 183.7           | 1570                         | 5560                         |                 |                              |                              |
| 103.4           | 4570                         | 8550                         | 185.4           | 1670                         | 5600                         |                 |                              |                              |

Table 8. Boring B-608 (DH), Suspension R1-R2 depths and P- and S<sub>H</sub>-wave velocities

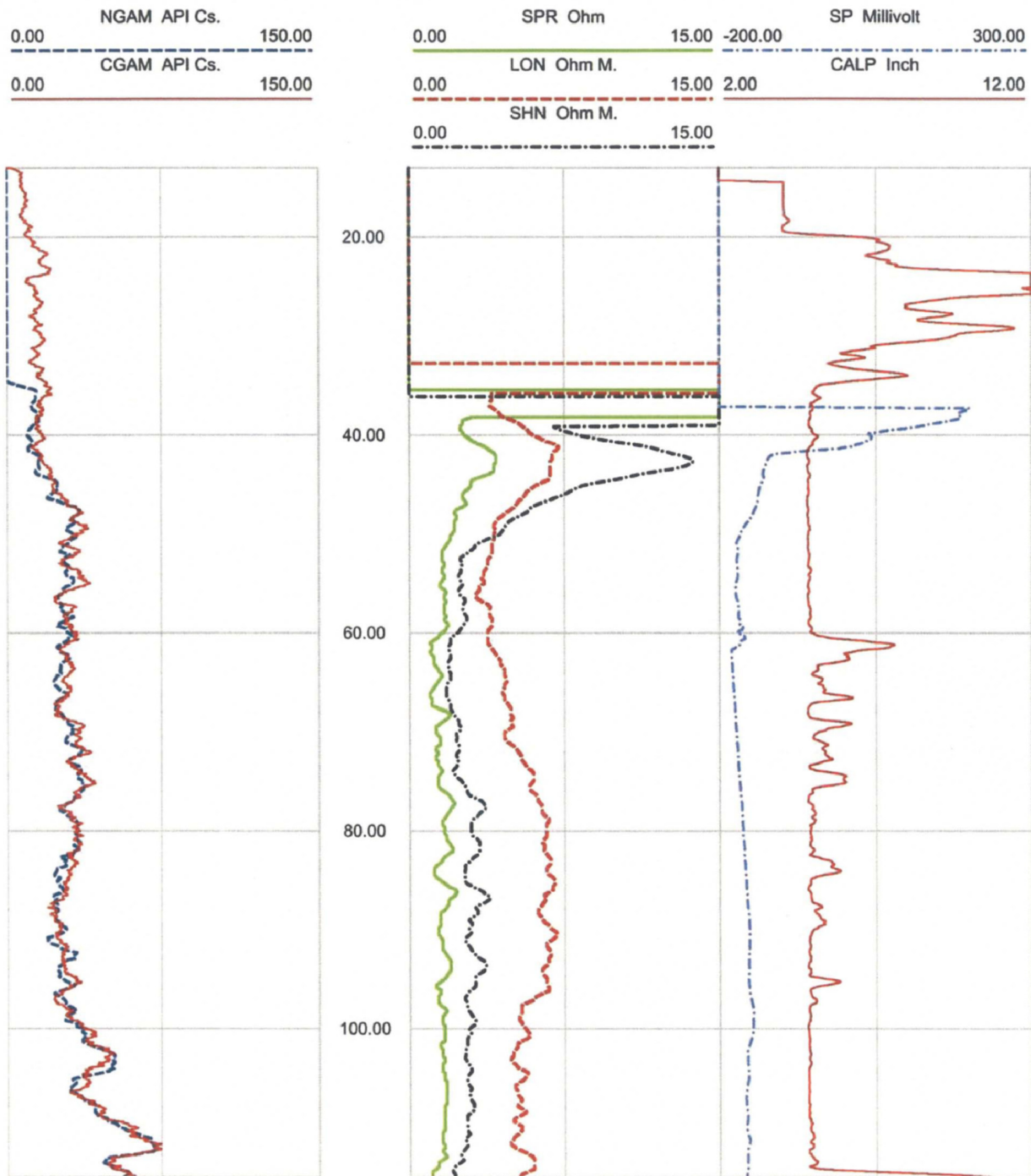


Figure 18. Boring B-608 (DH) upper section, Caliper, Natural gamma, Resistivity and SP logs

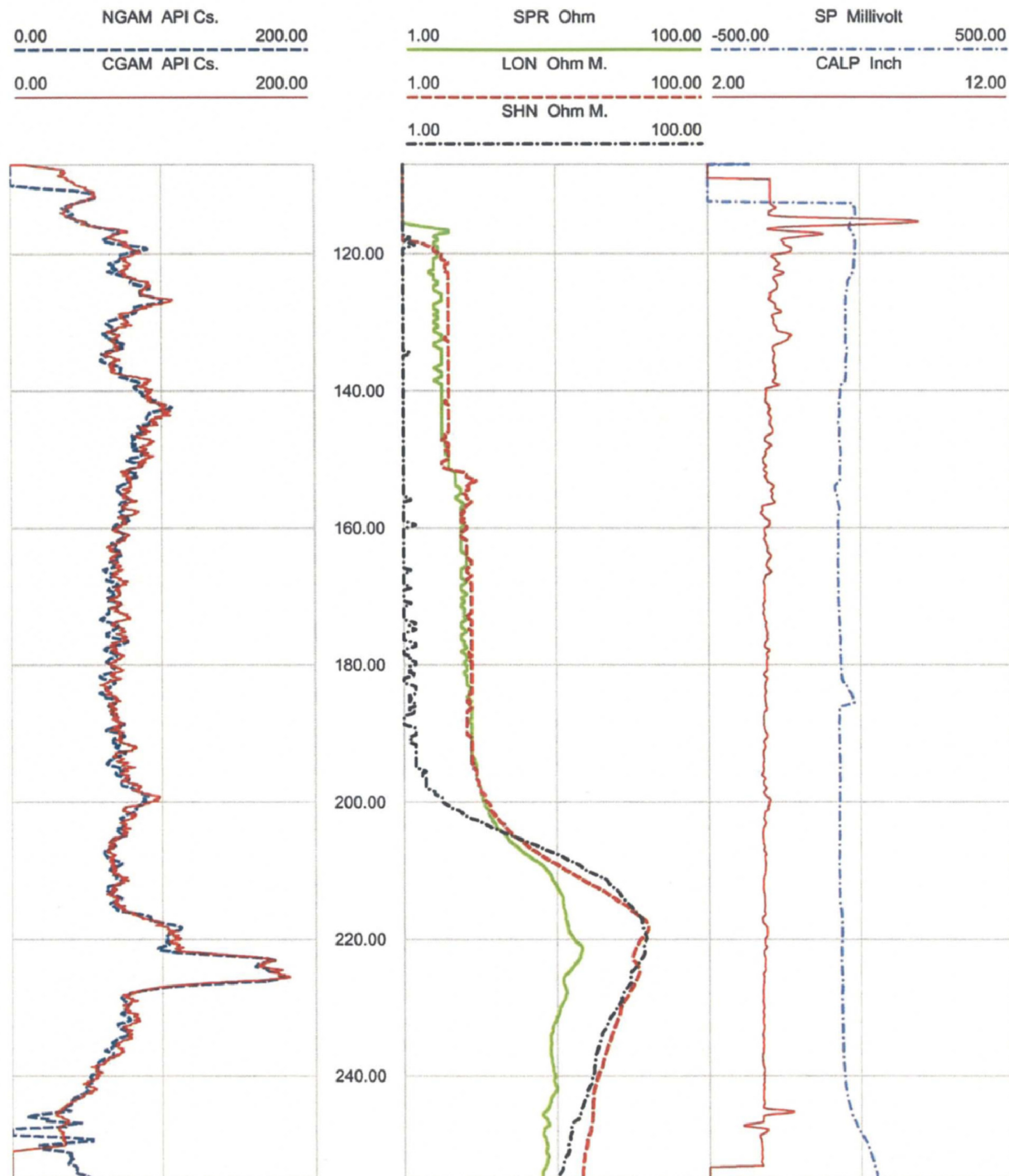


Figure 19. Boring B-608 (DH) lower section, Caliper, Natural gamma, Resistivity and SP logs

Deviated borehole in orthographic projection, viewed from N96

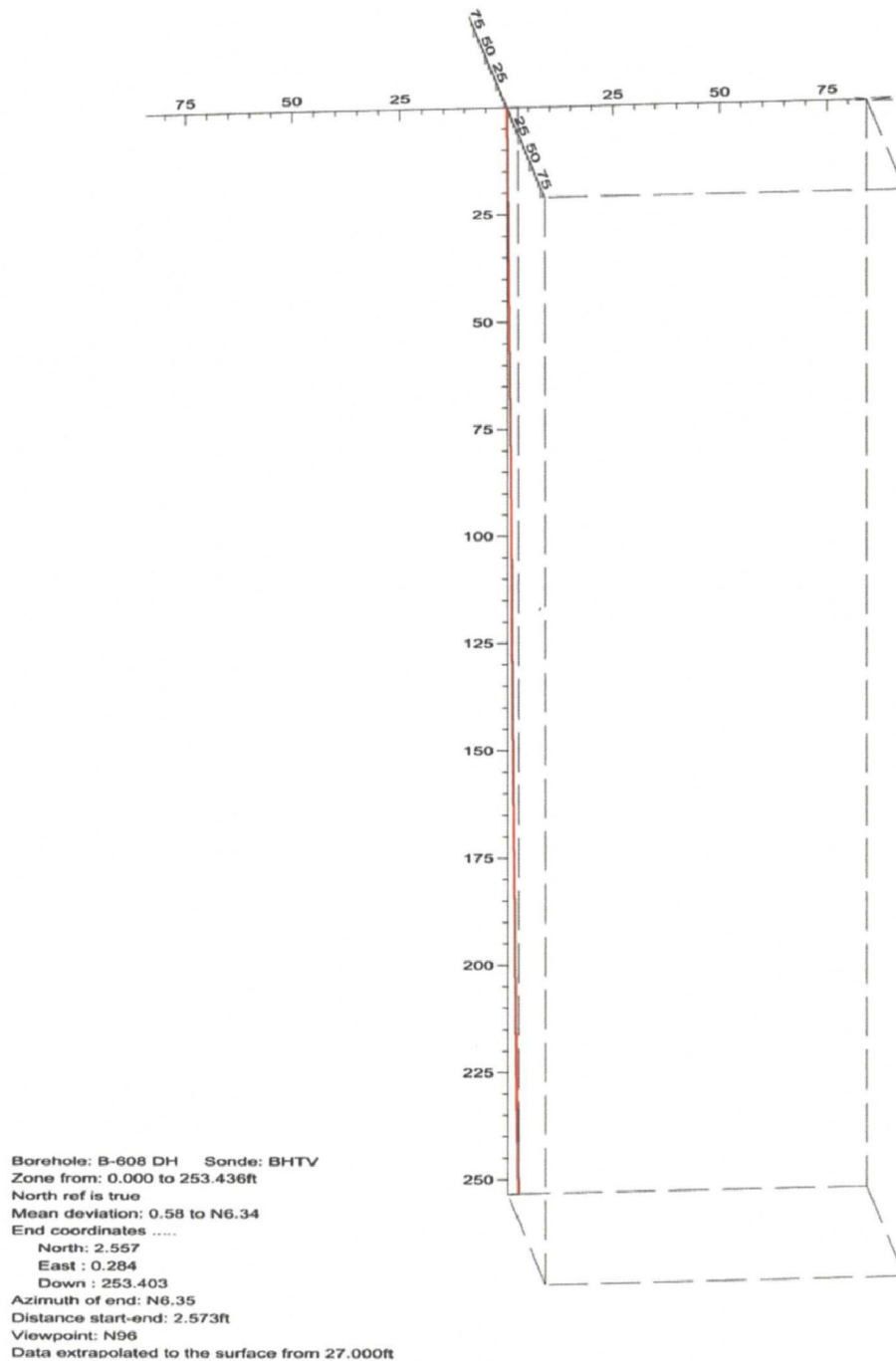


Figure 20. Boring B-608 (DH), Deviation Projection (dimensions in feet)



### FPL Turkey Point COL Boring B-610 (DH) Receiver to Receiver $V_s$ and $V_p$ Analysis

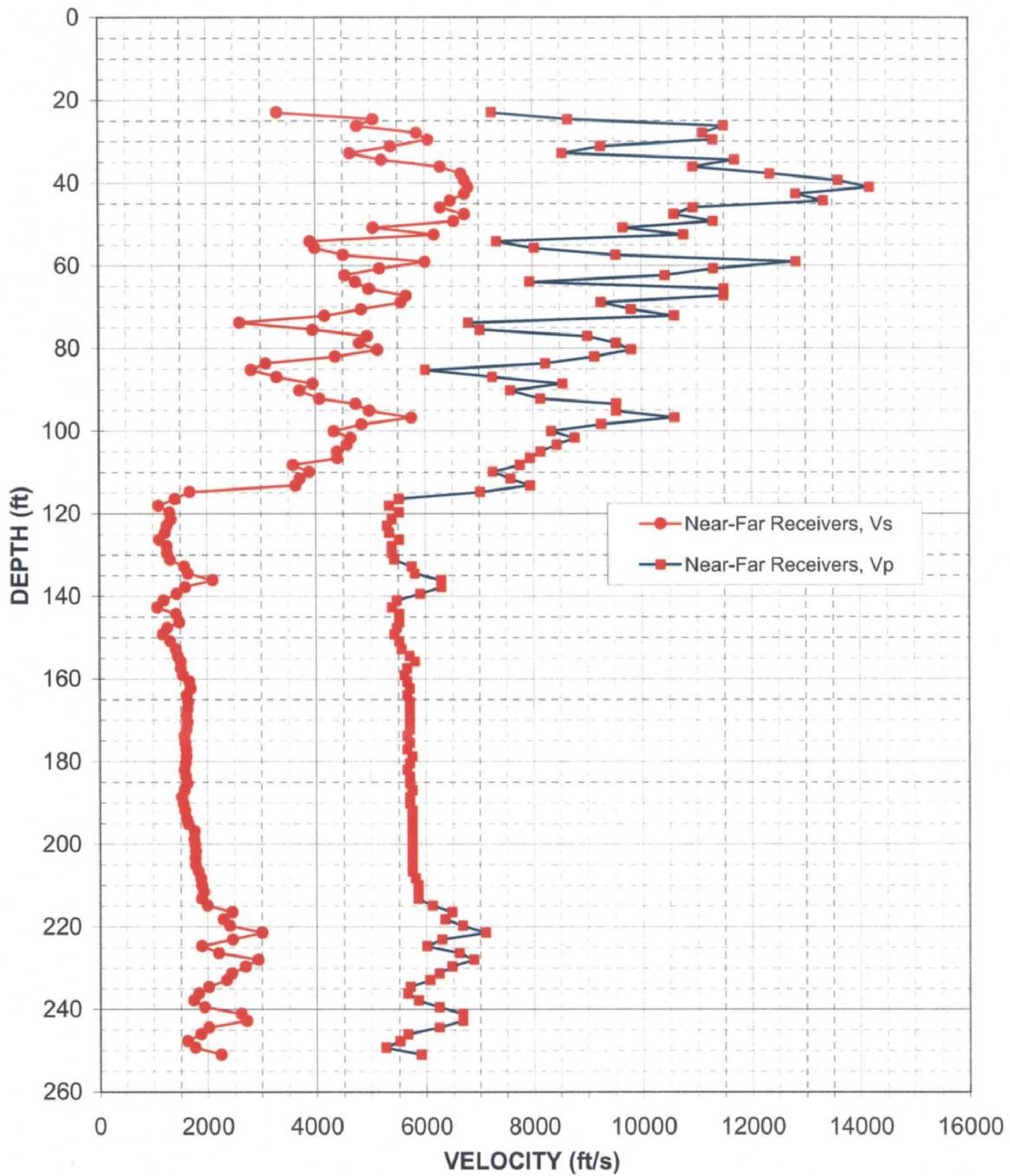


Figure 21: Boring B-610 (DH), Suspension R1-R2 P- and  $S_H$ -wave velocities

| Depth<br>(feet) | V <sub>s</sub><br>(feet/sec) | V <sub>p</sub><br>(feet/sec) | Depth<br>(feet) | V <sub>s</sub><br>(feet/sec) | V <sub>p</sub><br>(feet/sec) | Depth<br>(feet) | V <sub>s</sub><br>(feet/sec) | V <sub>p</sub><br>(feet/sec) |
|-----------------|------------------------------|------------------------------|-----------------|------------------------------|------------------------------|-----------------|------------------------------|------------------------------|
| 23.0            | 3300                         | 7250                         | 105.0           | 4390                         | 8130                         | 187.0           | 1560                         | 5750                         |
| 24.6            | 5050                         | 8660                         | 106.6           | 4390                         | 7940                         | 188.7           | 1520                         | 5700                         |
| 26.3            | 4760                         | 11490                        | 108.3           | 3580                         | 7750                         | 190.3           | 1540                         | 5700                         |
| 27.9            | 5850                         | 11110                        | 109.9           | 3880                         | 7250                         | 191.9           | 1570                         | 5750                         |
| 29.5            | 6060                         | 11300                        | 111.6           | 3700                         | 7580                         | 193.9           | 1600                         | 5750                         |
| 31.2            | 5380                         | 9260                         | 113.2           | 3620                         | 7940                         | 195.2           | 1630                         | 5750                         |
| 32.8            | 4630                         | 8550                         | 114.8           | 1680                         | 7020                         | 196.9           | 1750                         | 5750                         |
| 34.5            | 5210                         | 11700                        | 116.5           | 1390                         | 5510                         | 198.8           | 1740                         | 5750                         |
| 36.1            | 6290                         | 10930                        | 118.1           | 1090                         | 5330                         | 200.1           | 1750                         | 5750                         |
| 37.7            | 6670                         | 12350                        | 119.8           | 1300                         | 5510                         | 201.8           | 1770                         | 5750                         |
| 39.4            | 6730                         | 13610                        | 121.4           | 1320                         | 5380                         | 203.4           | 1760                         | 5750                         |
| 41.0            | 6800                         | 14180                        | 123.0           | 1240                         | 5290                         | 205.1           | 1760                         | 5750                         |
| 42.7            | 6730                         | 12820                        | 124.7           | 1210                         | 5330                         | 206.7           | 1820                         | 5750                         |
| 44.3            | 6470                         | 13330                        | 126.3           | 1100                         | 5510                         | 208.3           | 1870                         | 5800                         |
| 45.9            | 6290                         | 10930                        | 128.0           | 1240                         | 5380                         | 210.0           | 1880                         | 5850                         |
| 47.6            | 6730                         | 10580                        | 129.6           | 1250                         | 5380                         | 211.6           | 1920                         | 5850                         |
| 49.2            | 6540                         | 11300                        | 131.2           | 1310                         | 5420                         | 213.3           | 1880                         | 5850                         |
| 50.9            | 5050                         | 9660                         | 132.9           | 1560                         | 5750                         | 214.9           | 1980                         | 6120                         |
| 52.5            | 6170                         | 10750                        | 134.5           | 1630                         | 5800                         | 216.5           | 2440                         | 6470                         |
| 54.1            | 3900                         | 7330                         | 136.2           | 2100                         | 6290                         | 218.2           | 2280                         | 6350                         |
| 55.8            | 3990                         | 8030                         | 137.8           | 1580                         | 6290                         | 219.8           | 2400                         | 6670                         |
| 57.4            | 4500                         | 9520                         | 139.4           | 1420                         | 5900                         | 221.5           | 2990                         | 7090                         |
| 59.1            | 6010                         | 12820                        | 141.1           | 1180                         | 5460                         | 223.1           | 2450                         | 6290                         |
| 60.7            | 5170                         | 11300                        | 142.7           | 1060                         | 5380                         | 224.7           | 1880                         | 6010                         |
| 62.3            | 4540                         | 10420                        | 144.4           | 1410                         | 5510                         | 226.4           | 2190                         | 6600                         |
| 64.0            | 4730                         | 7940                         | 146.3           | 1470                         | 5510                         | 228.0           | 2920                         | 6870                         |
| 65.6            | 4980                         | 11490                        | 147.6           | 1250                         | 5460                         | 229.7           | 2690                         | 6470                         |
| 67.3            | 5650                         | 11490                        | 149.3           | 1170                         | 5420                         | 231.3           | 2430                         | 6230                         |
| 68.9            | 5560                         | 9260                         | 150.9           | 1310                         | 5510                         | 232.9           | 2340                         | 6060                         |
| 70.5            | 4830                         | 9800                         | 152.9           | 1410                         | 5560                         | 234.6           | 2010                         | 5700                         |
| 72.2            | 4170                         | 10580                        | 154.5           | 1440                         | 5700                         | 236.2           | 1820                         | 5650                         |
| 73.8            | 2600                         | 6800                         | 155.8           | 1500                         | 5800                         | 237.9           | 1730                         | 5850                         |
| 75.5            | 3940                         | 7020                         | 157.5           | 1500                         | 5650                         | 239.5           | 1930                         | 6230                         |
| 77.1            | 4940                         | 9010                         | 159.1           | 1540                         | 5600                         | 241.1           | 2600                         | 6670                         |
| 78.7            | 4800                         | 9520                         | 160.8           | 1660                         | 5650                         | 242.8           | 2710                         | 6670                         |
| 80.4            | 5130                         | 9800                         | 162.4           | 1680                         | 5700                         | 244.4           | 2010                         | 6230                         |
| 82.0            | 4360                         | 9130                         | 164.0           | 1610                         | 5650                         | 246.1           | 1860                         | 5650                         |
| 83.7            | 3090                         | 8230                         | 165.7           | 1630                         | 5700                         | 247.7           | 1610                         | 5510                         |
| 85.3            | 2810                         | 6010                         | 167.3           | 1620                         | 5700                         | 249.3           | 1750                         | 5250                         |
| 86.9            | 3280                         | 7250                         | 169.0           | 1600                         | 5700                         | 251.0           | 2240                         | 5900                         |
| 88.6            | 3940                         | 8550                         | 170.6           | 1620                         | 5700                         |                 |                              |                              |
| 90.2            | 3700                         | 7580                         | 172.2           | 1600                         | 5700                         |                 |                              |                              |
| 92.2            | 4070                         | 8130                         | 173.9           | 1560                         | 5650                         |                 |                              |                              |
| 93.5            | 4730                         | 9520                         | 175.5           | 1580                         | 5700                         |                 |                              |                              |
| 95.1            | 4980                         | 9520                         | 177.2           | 1590                         | 5650                         |                 |                              |                              |
| 96.8            | 5750                         | 10580                        | 178.8           | 1600                         | 5750                         |                 |                              |                              |
| 98.4            | 4830                         | 9260                         | 180.5           | 1580                         | 5700                         |                 |                              |                              |
| 100.1           | 4330                         | 8330                         | 182.1           | 1560                         | 5650                         |                 |                              |                              |
| 101.7           | 4630                         | 8770                         | 183.7           | 1590                         | 5700                         |                 |                              |                              |
| 103.4           | 4570                         | 8440                         | 185.4           | 1620                         | 5700                         |                 |                              |                              |

Table 9. Boring B-610 (DH), Suspension R1-R2 depths and P- and S<sub>H</sub>-wave velocities

0.00 NGAM API Cs. 150.00  
0.00 CGAM API Cs. 150.00

0.00 SPR Ohm 10.00 -500.00 SP Millivolt 0.00  
0.00 LON Ohm M. 10.00 2.00 CALP Inch 12.00  
0.00 SHN Ohm M. 10.00

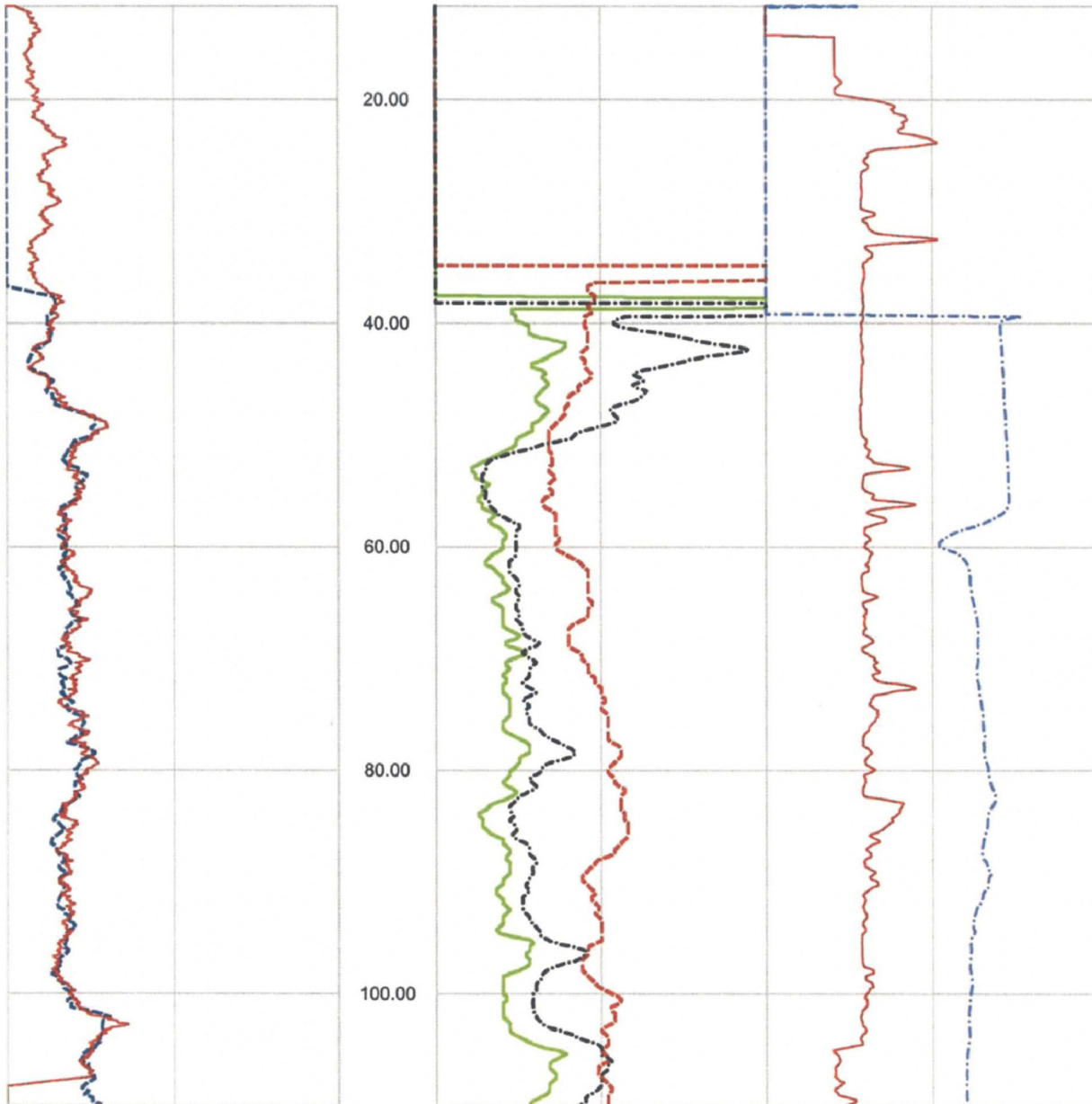


Figure 22. Boring B-610 (DH) upper section, Caliper, Natural gamma, Resistivity and SP logs

0.00 NGAM API Cs. 250.00  
0.00 CGAM API Cs. 250.00

1.00 SPR Ohm 100.00 -500.00 SP Millivolt 0.00  
1.00 LON Ohm M. 100.00 2.00 CALP Inch 12.00  
1.00 SHN Ohm M. 100.00

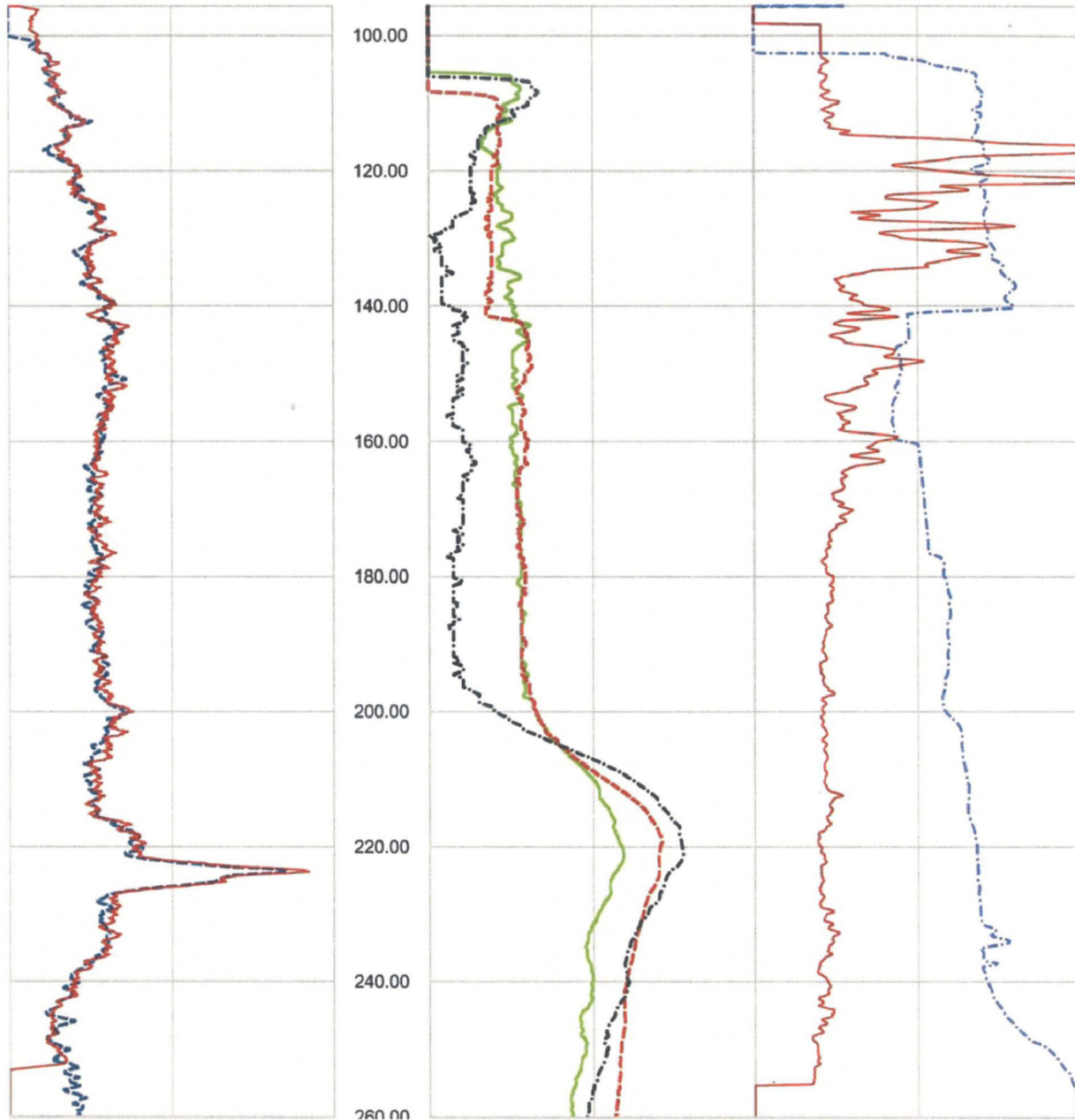


Figure 23. Boring B-610 (DH) lower section, Caliper, Natural gamma, Resistivity and SP logs



Deviated borehole in orthographic projection, viewed from N18

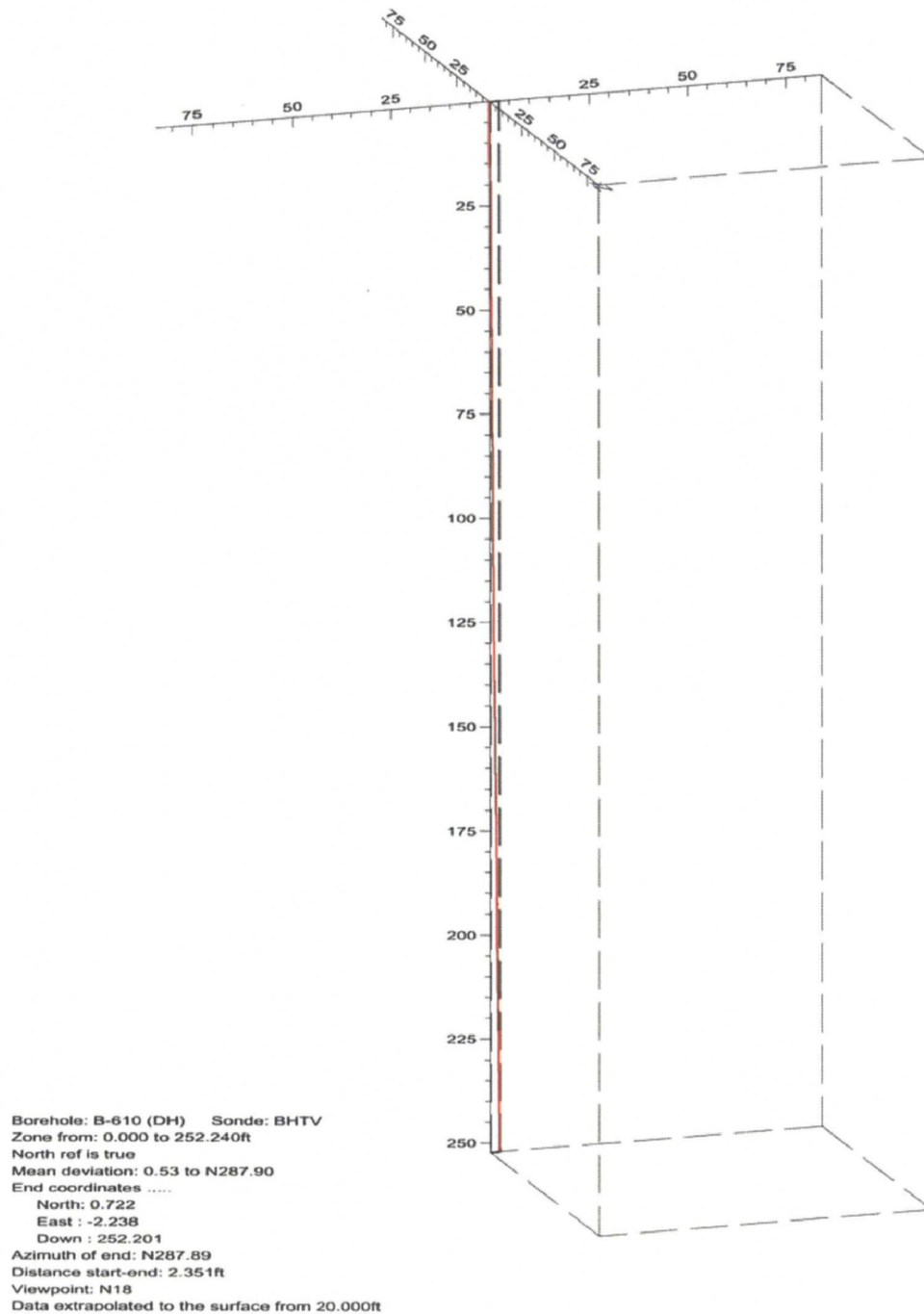


Figure 24. Boring B-610 (DH), Deviation Projection (dimensions in feet)



### FPL Turkey Point COL Boring B-620 (DH) Receiver to Receiver $V_s$ and $V_p$ Analysis

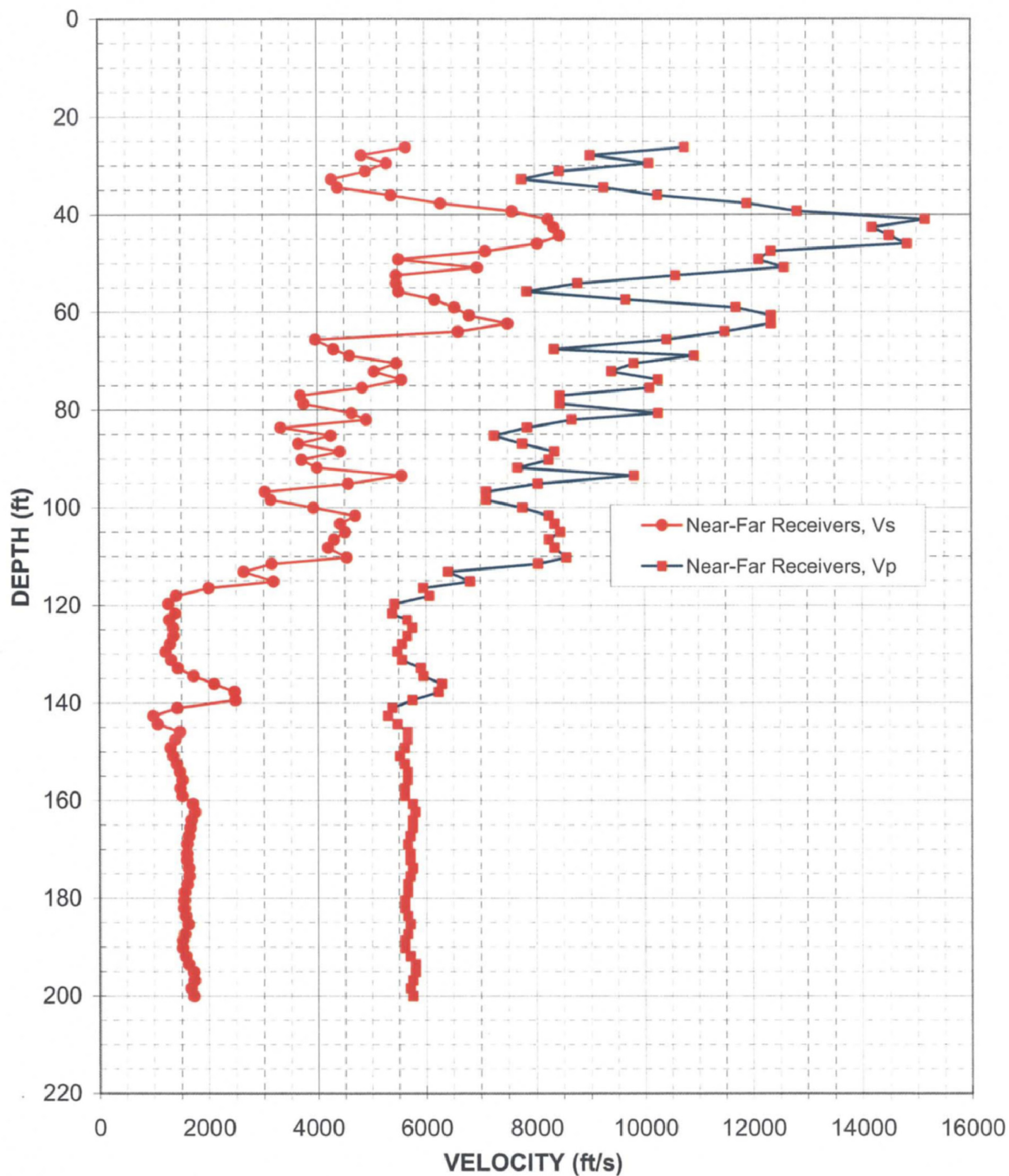


Figure 25: Boring B-620 (DH), Suspension R1-R2 P- and  $S_H$ -wave velocities

| Depth<br>(feet) | V <sub>s</sub><br>(feet/sec) | V <sub>p</sub><br>(feet/sec) | Depth<br>(feet) | V <sub>s</sub><br>(feet/sec) | V <sub>p</sub><br>(feet/sec) | Depth<br>(feet) | V <sub>s</sub><br>(feet/sec) | V <sub>p</sub><br>(feet/sec) |
|-----------------|------------------------------|------------------------------|-----------------|------------------------------|------------------------------|-----------------|------------------------------|------------------------------|
| 26.3            | 5650                         | 10750                        | 108.3           | 4190                         | 8330                         | 190.3           | 1510                         | 5600                         |
| 27.9            | 4830                         | 9010                         | 110.2           | 4540                         | 8550                         | 191.9           | 1560                         | 5700                         |
| 29.5            | 5290                         | 10100                        | 111.6           | 3140                         | 8030                         | 193.6           | 1610                         | 5800                         |
| 31.2            | 4900                         | 8440                         | 113.2           | 2620                         | 6410                         | 195.2           | 1710                         | 5800                         |
| 32.8            | 4270                         | 7750                         | 115.2           | 3170                         | 6800                         | 196.9           | 1720                         | 5750                         |
| 34.5            | 4390                         | 9260                         | 116.5           | 1980                         | 5950                         | 198.5           | 1660                         | 5700                         |
| 36.1            | 5380                         | 10260                        | 118.1           | 1390                         | 6060                         | 200.1           | 1710                         | 5750                         |
| 37.7            | 6290                         | 11900                        | 119.8           | 1260                         | 5420                         |                 |                              |                              |
| 39.4            | 7580                         | 12820                        | 121.7           | 1380                         | 5380                         |                 |                              |                              |
| 41.0            | 8230                         | 15150                        | 123.0           | 1270                         | 5650                         |                 |                              |                              |
| 42.7            | 8330                         | 14180                        | 124.7           | 1340                         | 5750                         |                 |                              |                              |
| 44.3            | 8440                         | 14490                        | 126.3           | 1350                         | 5650                         |                 |                              |                              |
| 45.9            | 8030                         | 14810                        | 128.0           | 1290                         | 5560                         |                 |                              |                              |
| 47.6            | 7090                         | 12350                        | 129.6           | 1200                         | 5460                         |                 |                              |                              |
| 49.2            | 5510                         | 12120                        | 131.2           | 1310                         | 5560                         |                 |                              |                              |
| 50.9            | 6940                         | 12580                        | 132.9           | 1420                         | 5900                         |                 |                              |                              |
| 52.5            | 5460                         | 10580                        | 134.5           | 1710                         | 5950                         |                 |                              |                              |
| 54.1            | 5460                         | 8770                         | 136.2           | 2080                         | 6290                         |                 |                              |                              |
| 55.8            | 5510                         | 7840                         | 137.8           | 2450                         | 6230                         |                 |                              |                              |
| 57.4            | 6170                         | 9660                         | 139.4           | 2470                         | 5750                         |                 |                              |                              |
| 59.1            | 6540                         | 11700                        | 141.1           | 1410                         | 5380                         |                 |                              |                              |
| 60.7            | 6800                         | 12350                        | 142.7           | 970                          | 5290                         |                 |                              |                              |
| 62.3            | 7490                         | 12350                        | 144.4           | 1060                         | 5460                         |                 |                              |                              |
| 64.0            | 6600                         | 11490                        | 146.0           | 1460                         | 5650                         |                 |                              |                              |
| 65.6            | 3970                         | 10420                        | 147.6           | 1370                         | 5650                         |                 |                              |                              |
| 67.6            | 4300                         | 8330                         | 149.3           | 1290                         | 5600                         |                 |                              |                              |
| 68.9            | 4600                         | 10930                        | 150.9           | 1340                         | 5510                         |                 |                              |                              |
| 70.5            | 5460                         | 9800                         | 152.6           | 1400                         | 5600                         |                 |                              |                              |
| 72.2            | 5050                         | 9390                         | 154.2           | 1460                         | 5650                         |                 |                              |                              |
| 73.8            | 5560                         | 10260                        | 155.8           | 1500                         | 5650                         |                 |                              |                              |
| 75.5            | 4830                         | 10100                        | 157.5           | 1470                         | 5600                         |                 |                              |                              |
| 77.1            | 3680                         | 8440                         | 159.1           | 1500                         | 5600                         |                 |                              |                              |
| 78.7            | 3750                         | 8440                         | 160.8           | 1690                         | 5750                         |                 |                              |                              |
| 80.7            | 4630                         | 10260                        | 162.4           | 1730                         | 5800                         |                 |                              |                              |
| 82.0            | 4900                         | 8660                         | 164.0           | 1670                         | 5750                         |                 |                              |                              |
| 83.7            | 3320                         | 7840                         | 165.7           | 1640                         | 5750                         |                 |                              |                              |
| 85.3            | 4250                         | 7250                         | 167.3           | 1610                         | 5700                         |                 |                              |                              |
| 86.9            | 3640                         | 7750                         | 169.0           | 1580                         | 5650                         |                 |                              |                              |
| 88.6            | 4420                         | 8330                         | 170.9           | 1580                         | 5700                         |                 |                              |                              |
| 90.2            | 3700                         | 8230                         | 172.2           | 1580                         | 5700                         |                 |                              |                              |
| 91.9            | 3990                         | 7660                         | 173.9           | 1610                         | 5750                         |                 |                              |                              |
| 93.5            | 5560                         | 9800                         | 175.5           | 1620                         | 5700                         |                 |                              |                              |
| 95.1            | 4570                         | 8030                         | 177.2           | 1590                         | 5650                         |                 |                              |                              |
| 96.8            | 3020                         | 7090                         | 178.8           | 1540                         | 5650                         |                 |                              |                              |
| 98.4            | 3130                         | 7090                         | 180.5           | 1530                         | 5600                         |                 |                              |                              |
| 100.1           | 3920                         | 7750                         | 182.1           | 1530                         | 5600                         |                 |                              |                              |
| 101.7           | 4690                         | 8230                         | 183.7           | 1560                         | 5650                         |                 |                              |                              |
| 103.4           | 4420                         | 8330                         | 185.4           | 1600                         | 5700                         |                 |                              |                              |
| 105.0           | 4500                         | 8440                         | 187.3           | 1540                         | 5650                         |                 |                              |                              |
| 106.6           | 4300                         | 8230                         | 188.7           | 1510                         | 5600                         |                 |                              |                              |

Table 10. Boring B-620 (DH), Suspension R1-R2 depths and P- and S<sub>H</sub>-wave velocities