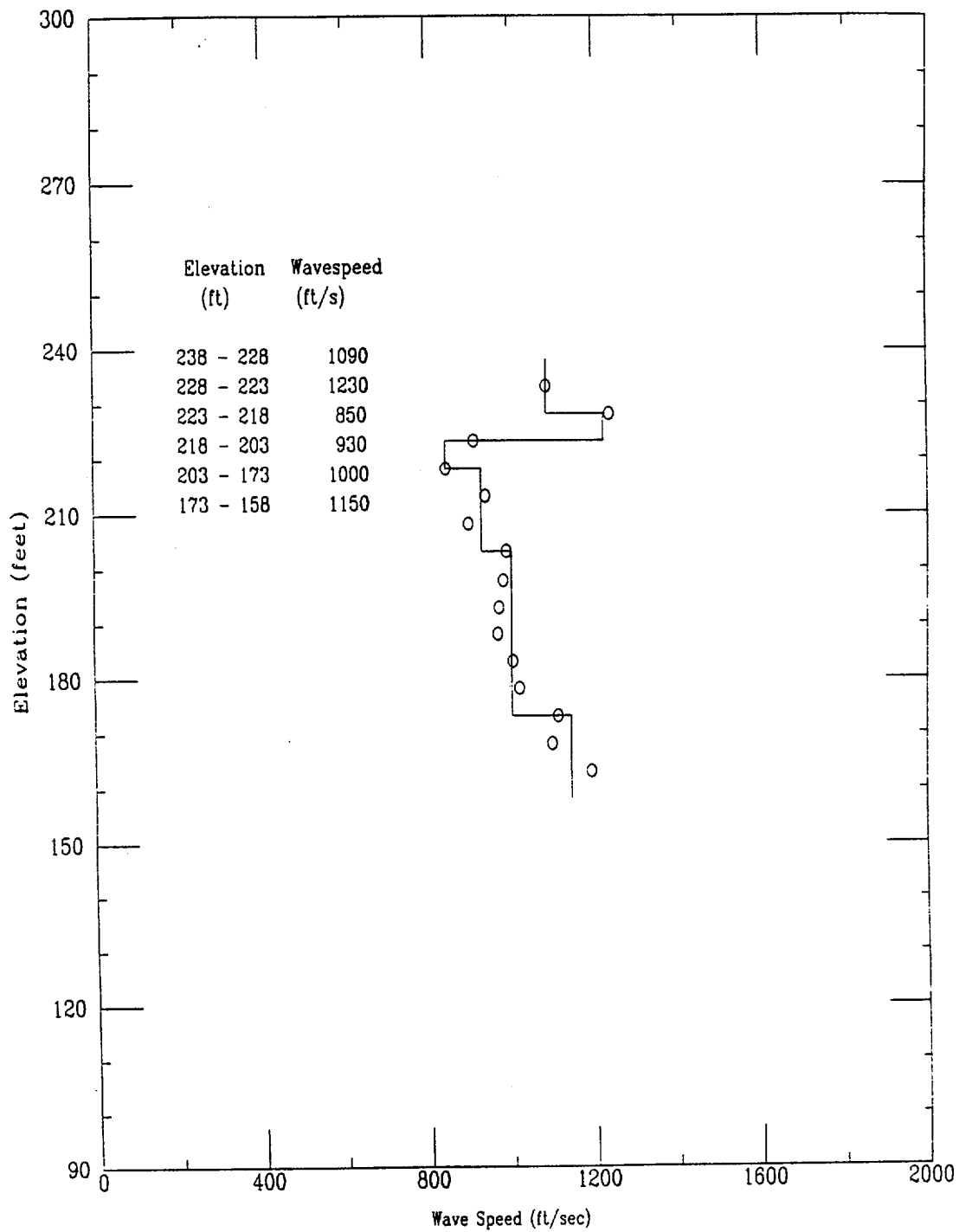
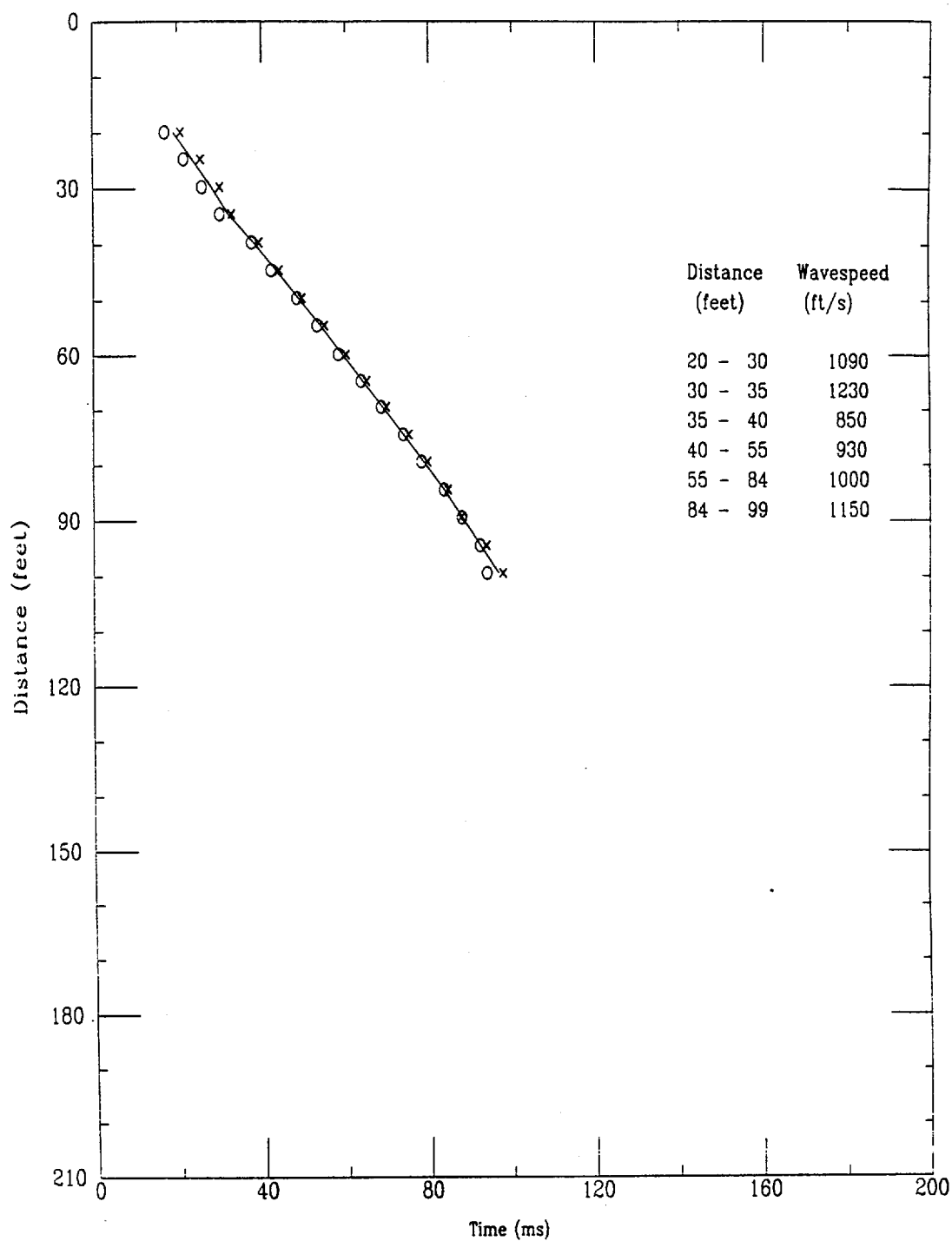


APPENDIX C
SEISMIC DATA



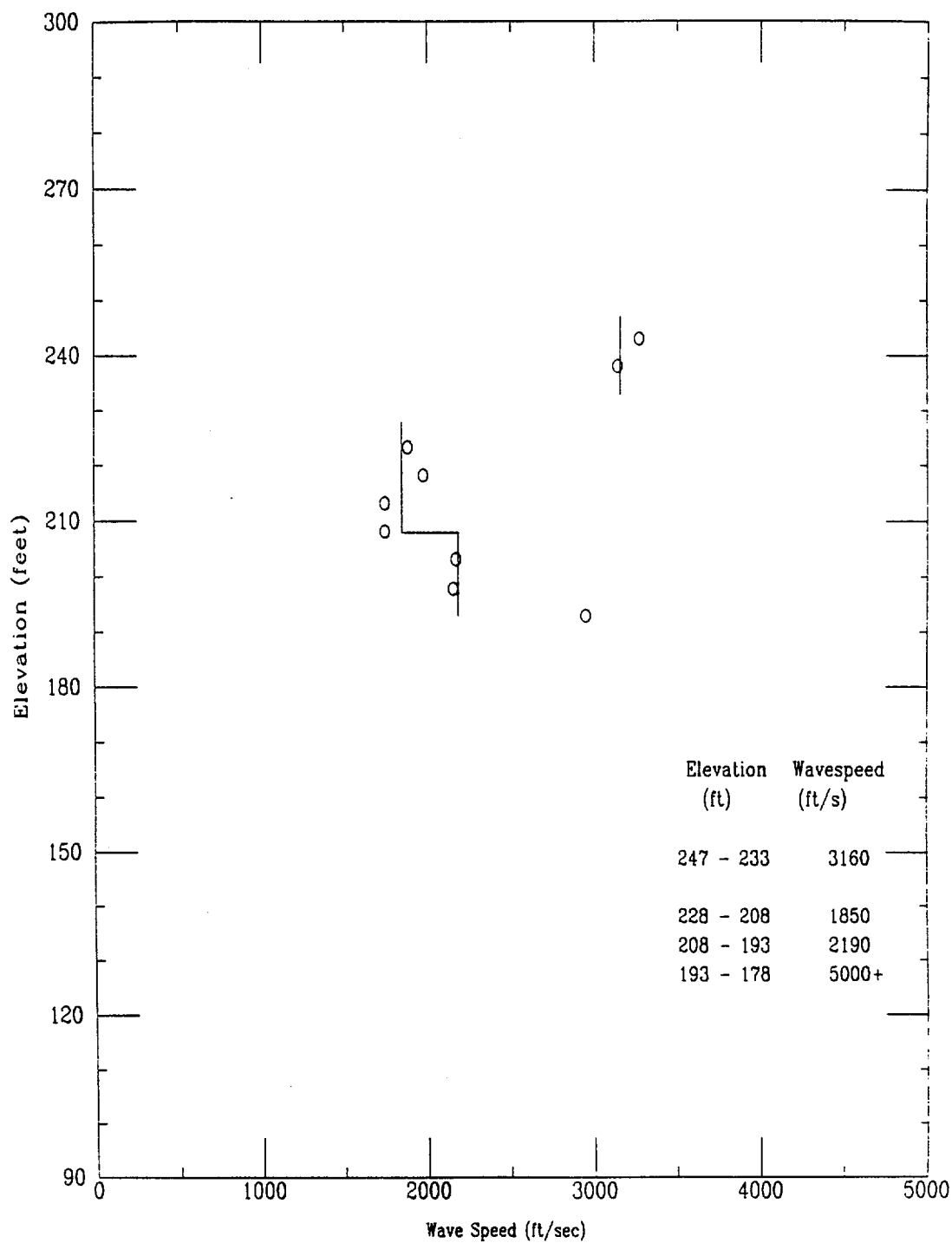
File 409U001S

Shear Wave Time of Peak

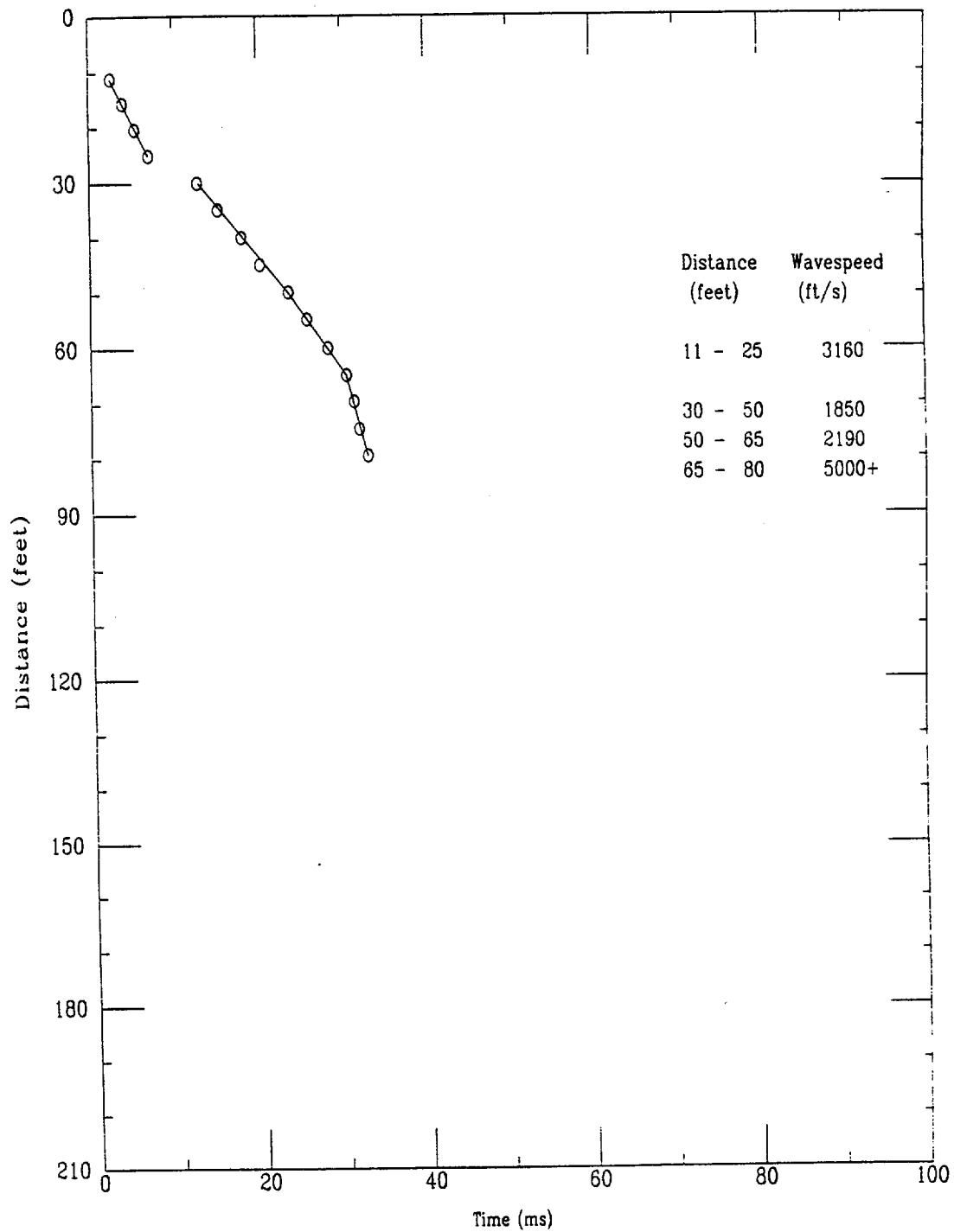


FILE 409U001S

Compression Wave Speeds

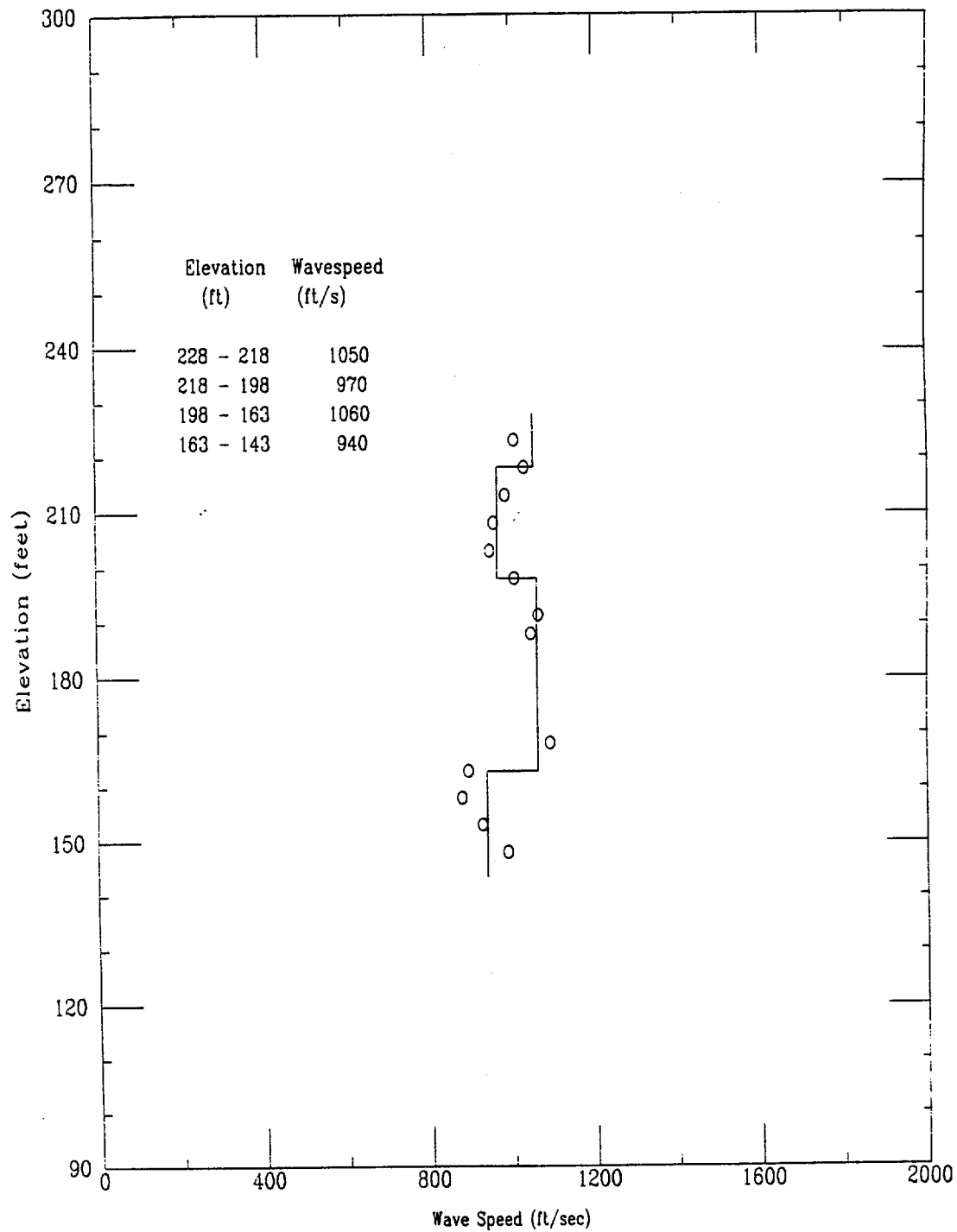


File 409u001S



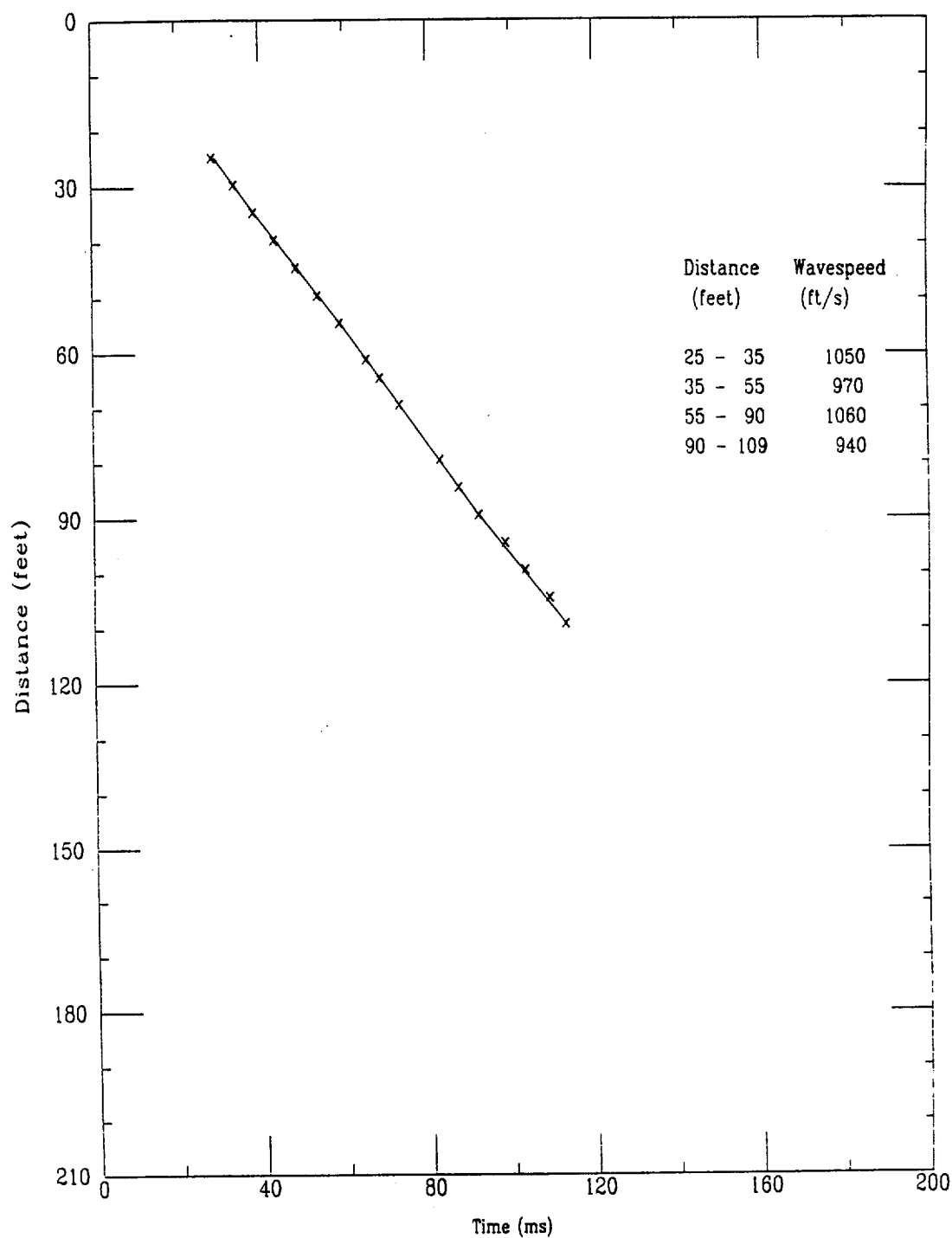
File 409u001S

Shear Wave Speeds



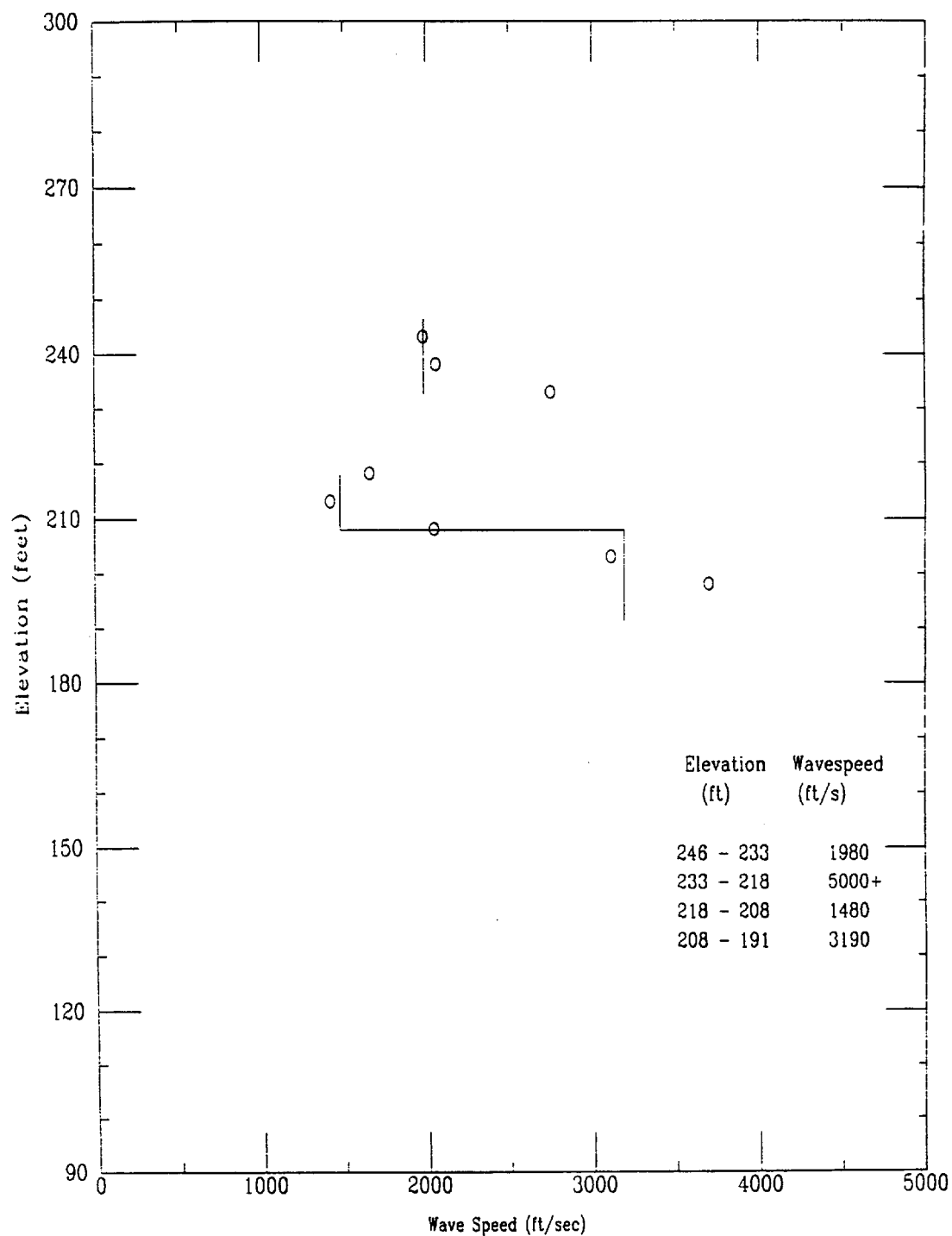
File 408u007S

Shear Wave Time of Peak



FILE 408u007S

Compression Wave Speeds



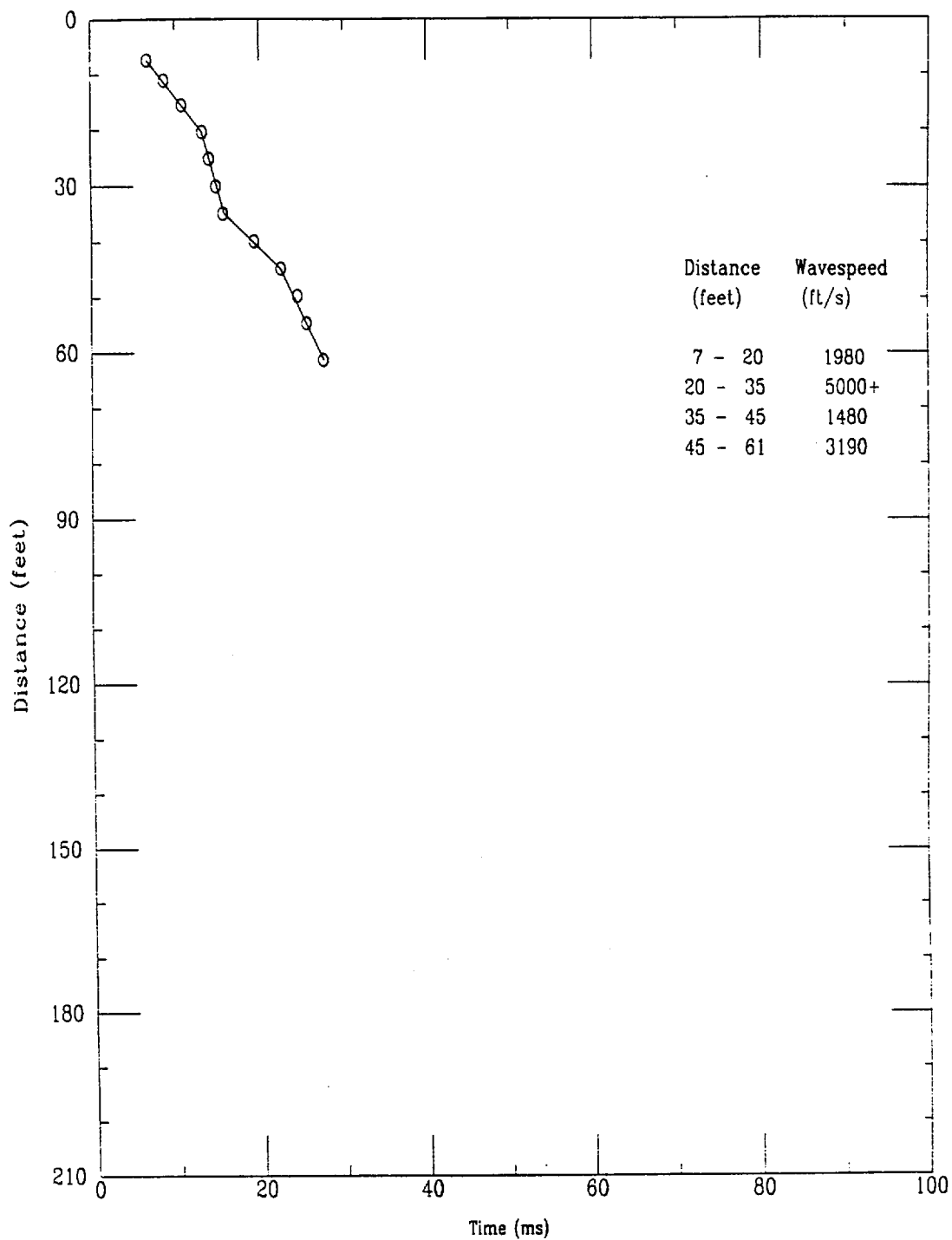
File 408u007S

CPT-03S

APPLIED RESEARCH ASSOCIATES, INC.

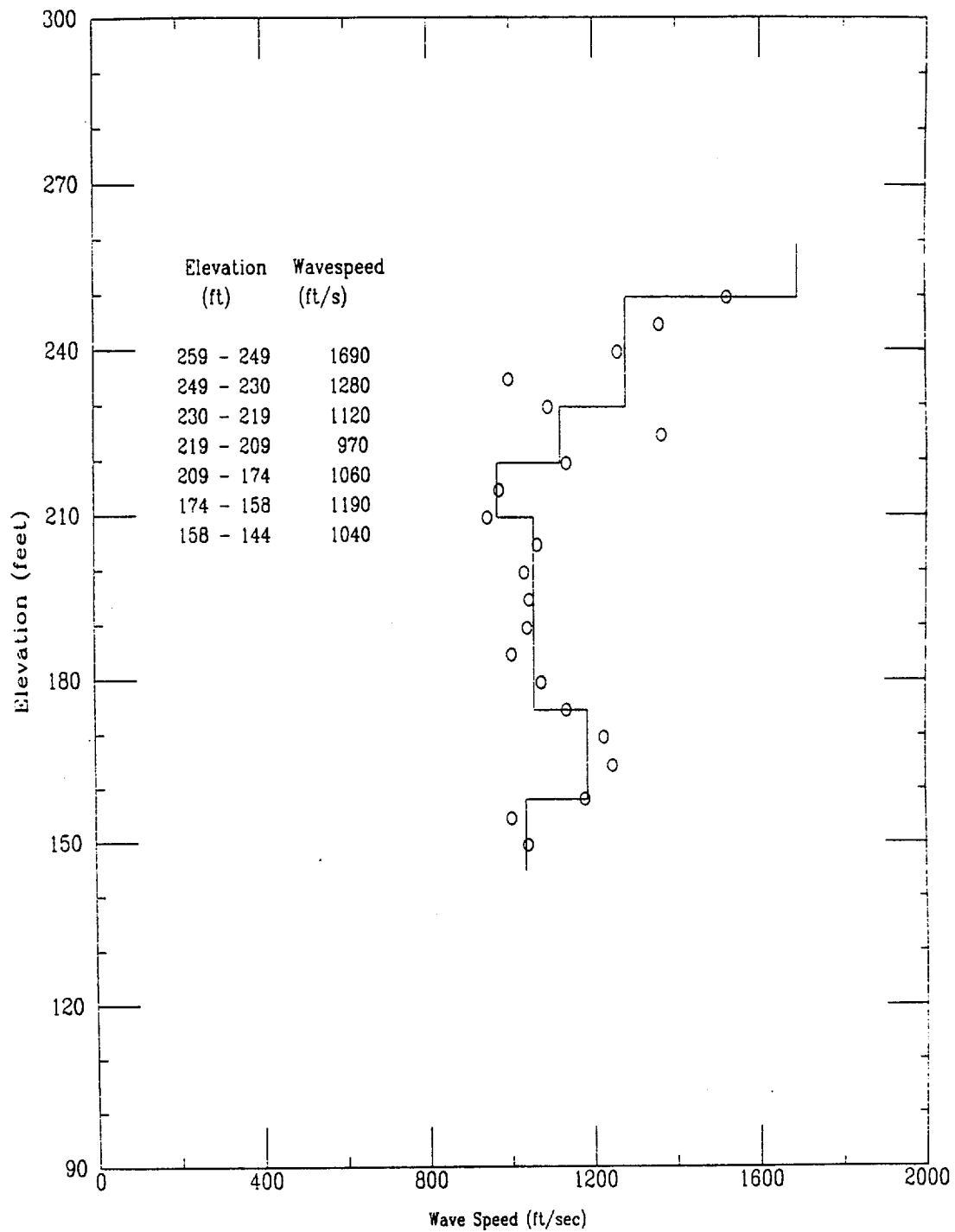
06/08/00

Compression Wave Time of Peak



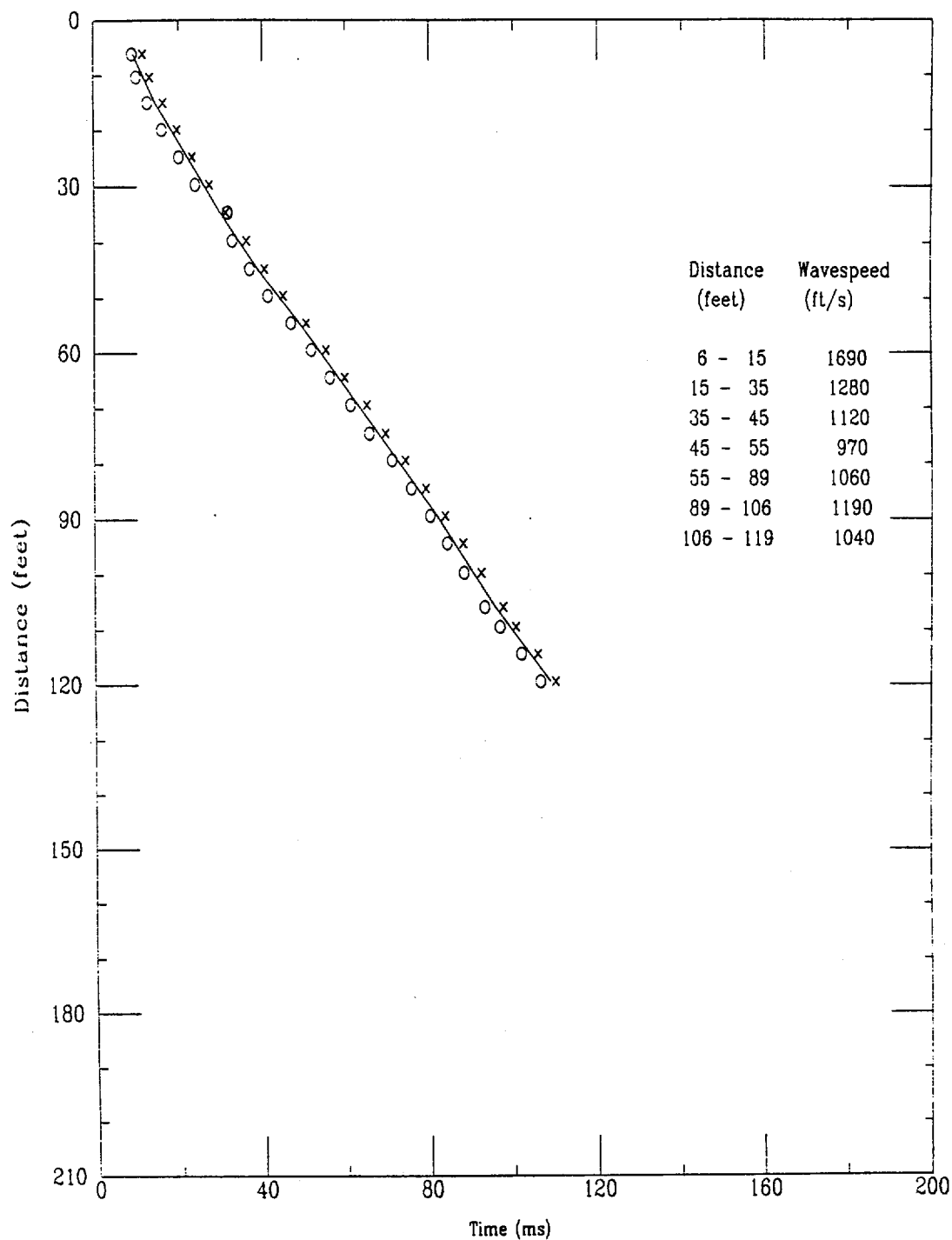
File 408u007S

Shear Wave Speeds



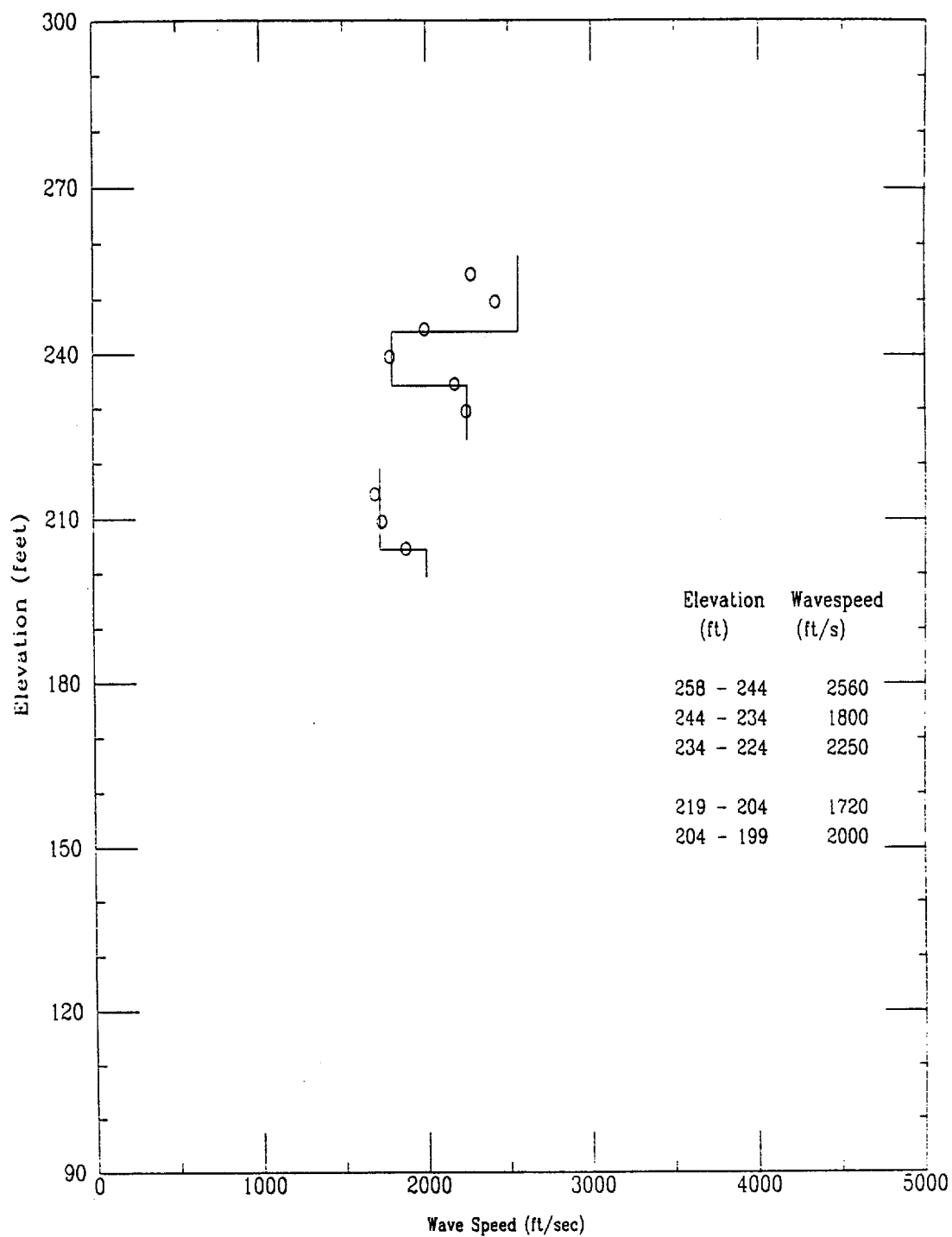
File 408u004S

Shear Wave Time of Peak

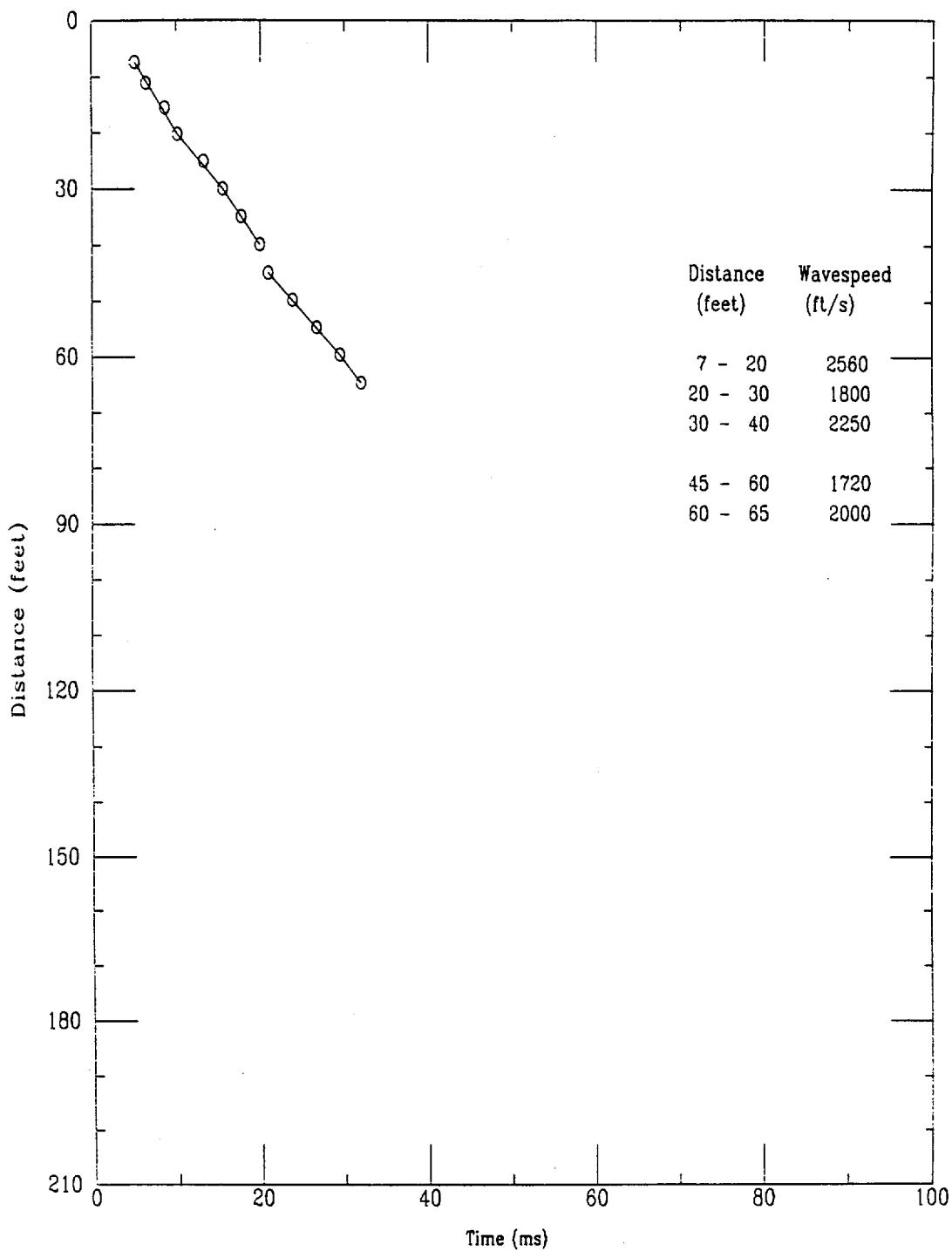


FILE 408u004S

Compression Wave Speeds

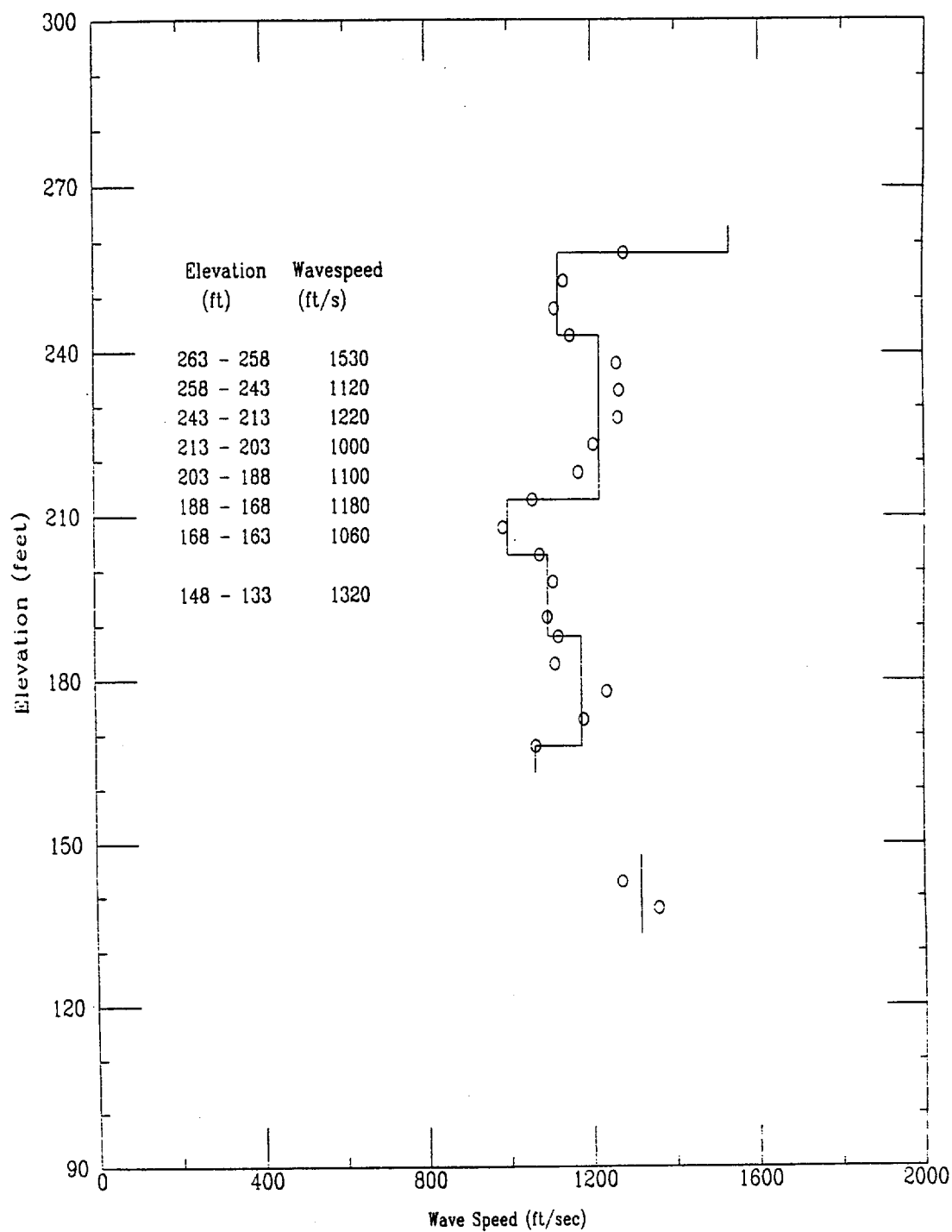


File 408u004S



File 408u004S

Shear Wave Speeds



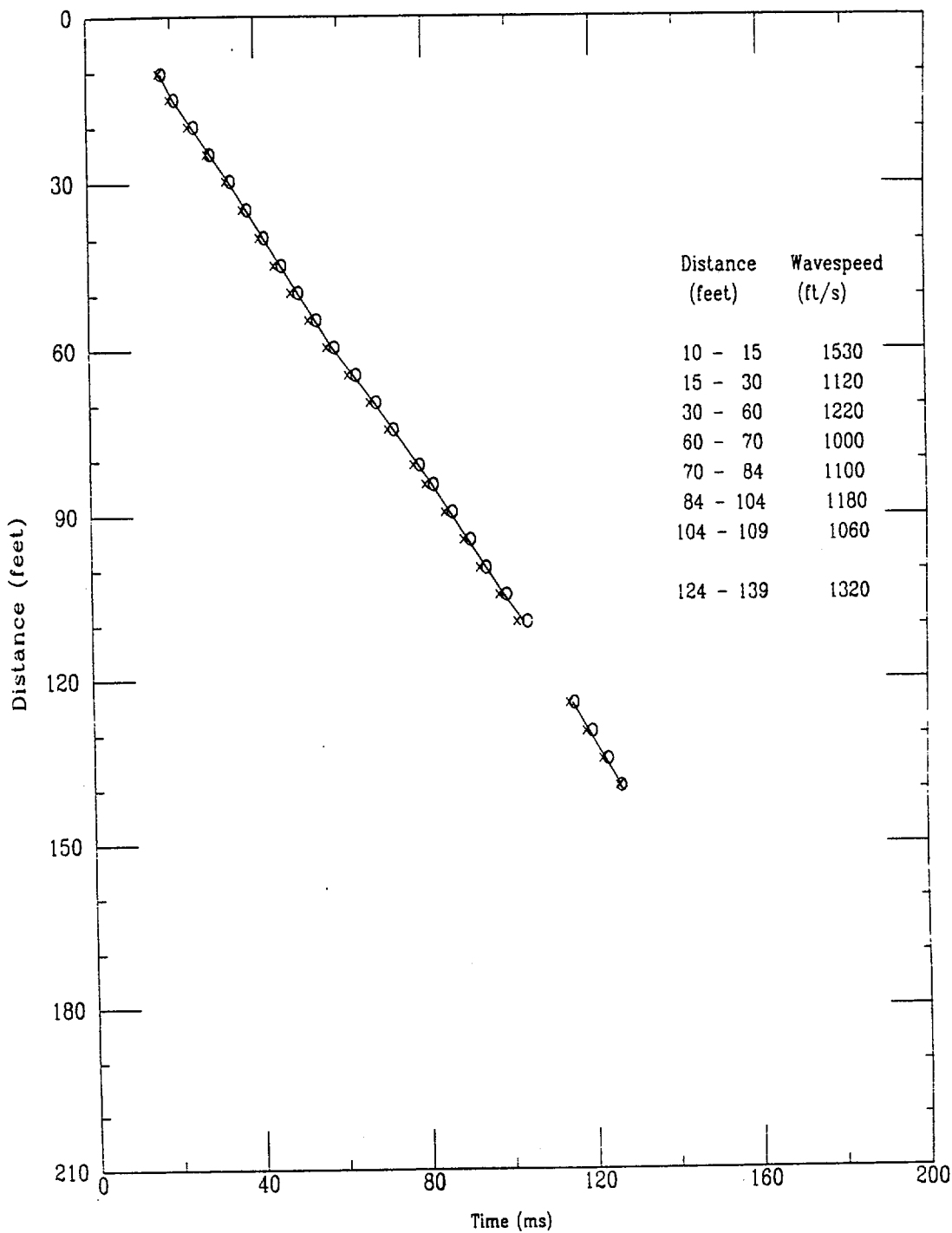
File 402u004S

CPT-08S

APPLIED RESEARCH ASSOCIATES, INC.

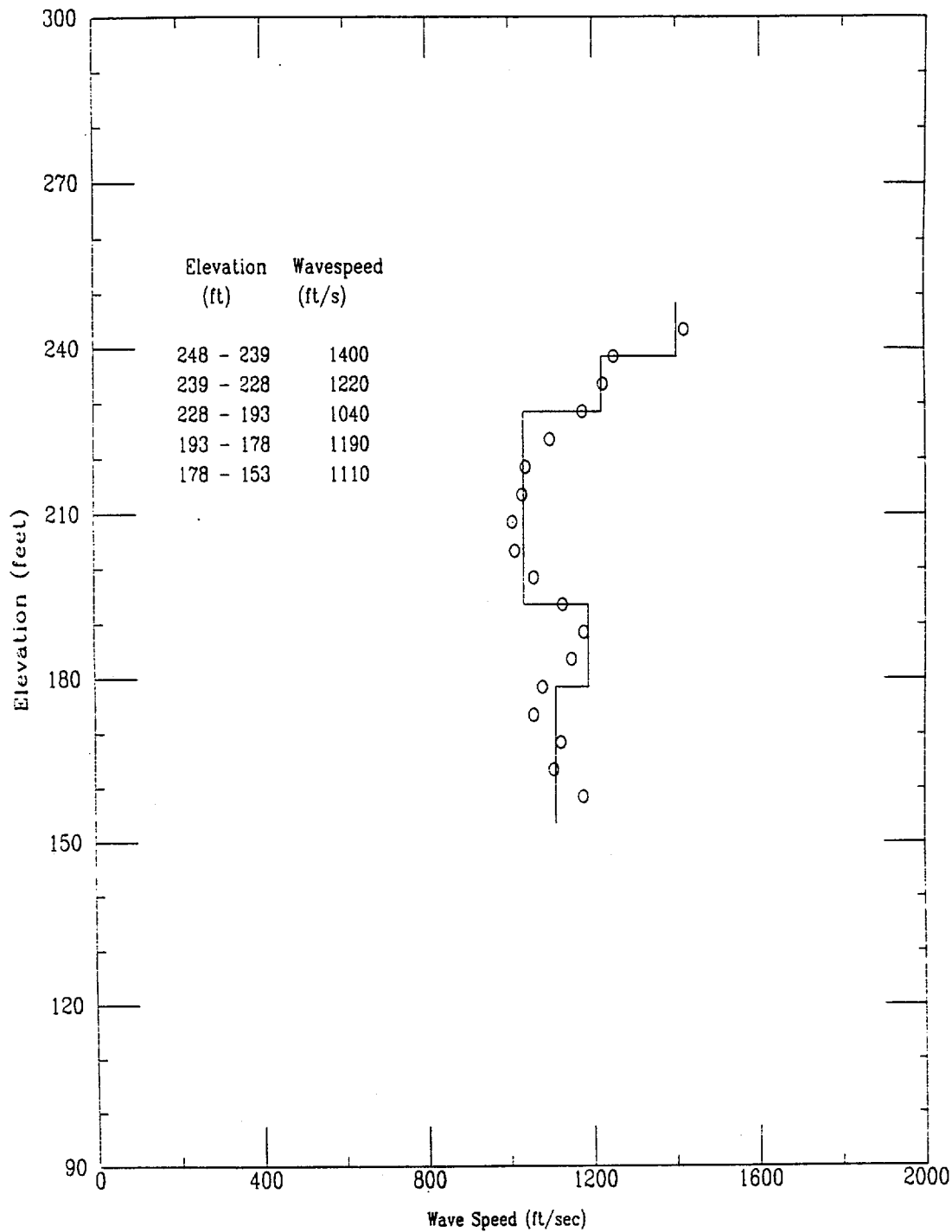
06/02/00

Shear Wave Time of Peak



FILE 402u004S

DCS, MFFF Project No. 08716



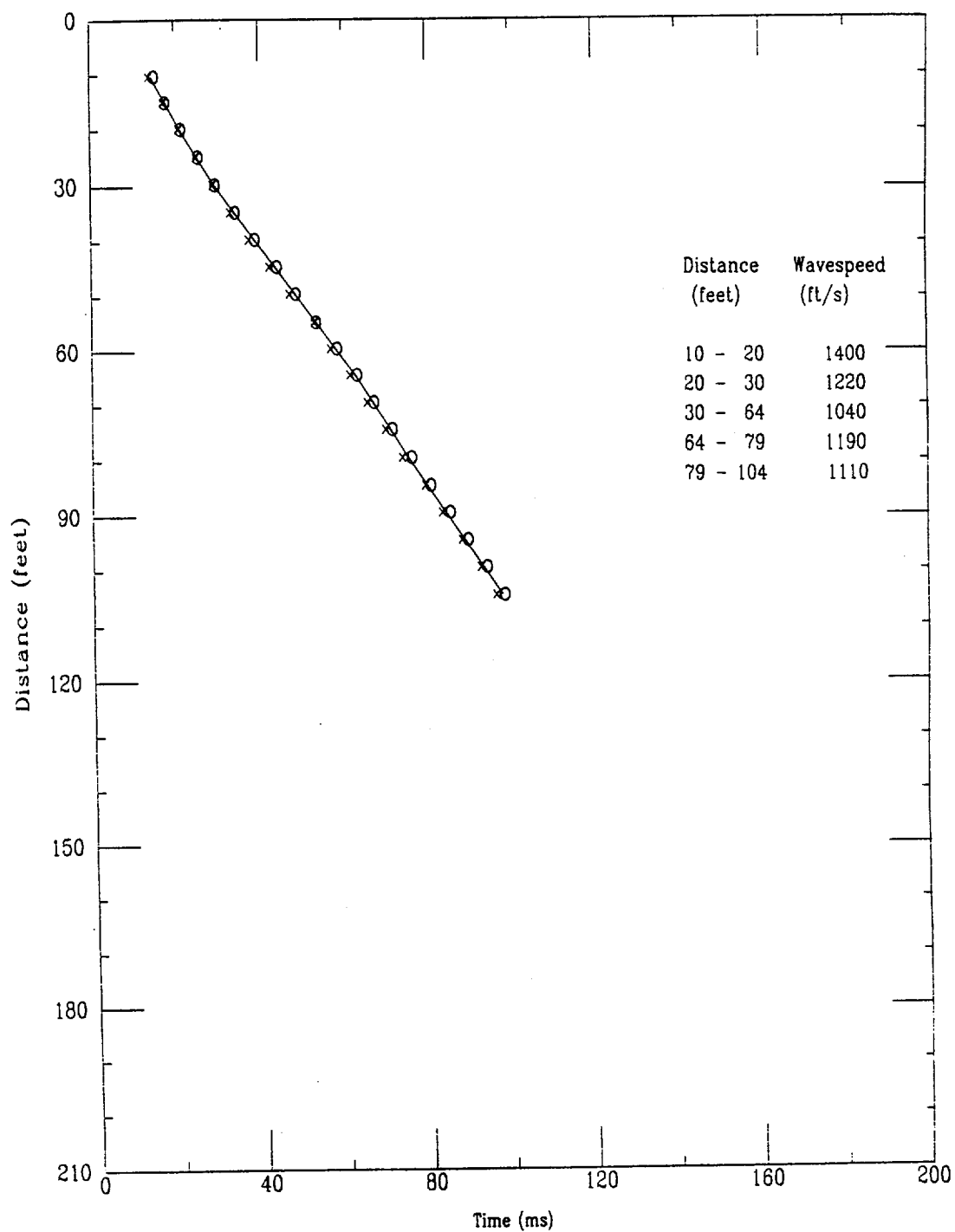
File 402u001S

CPT-11S

APPLIED RESEARCH ASSOCIATES, INC.

06/02/00

Shear Wave Time of Peak



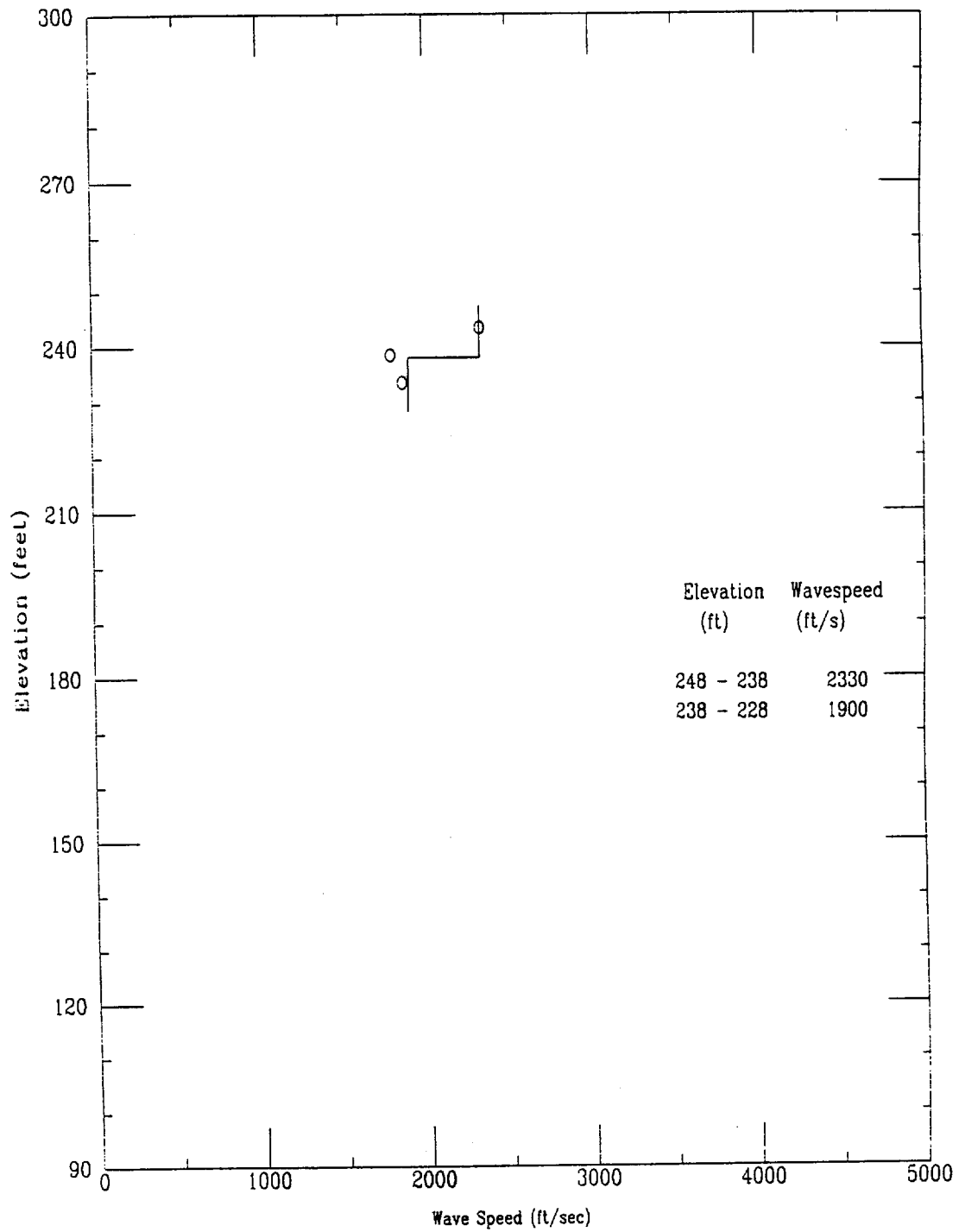
File 402u001S

CPT-11S

APPLIED RESEARCH ASSOCIATES, INC.

06/02/00

Compression Wave Speeds

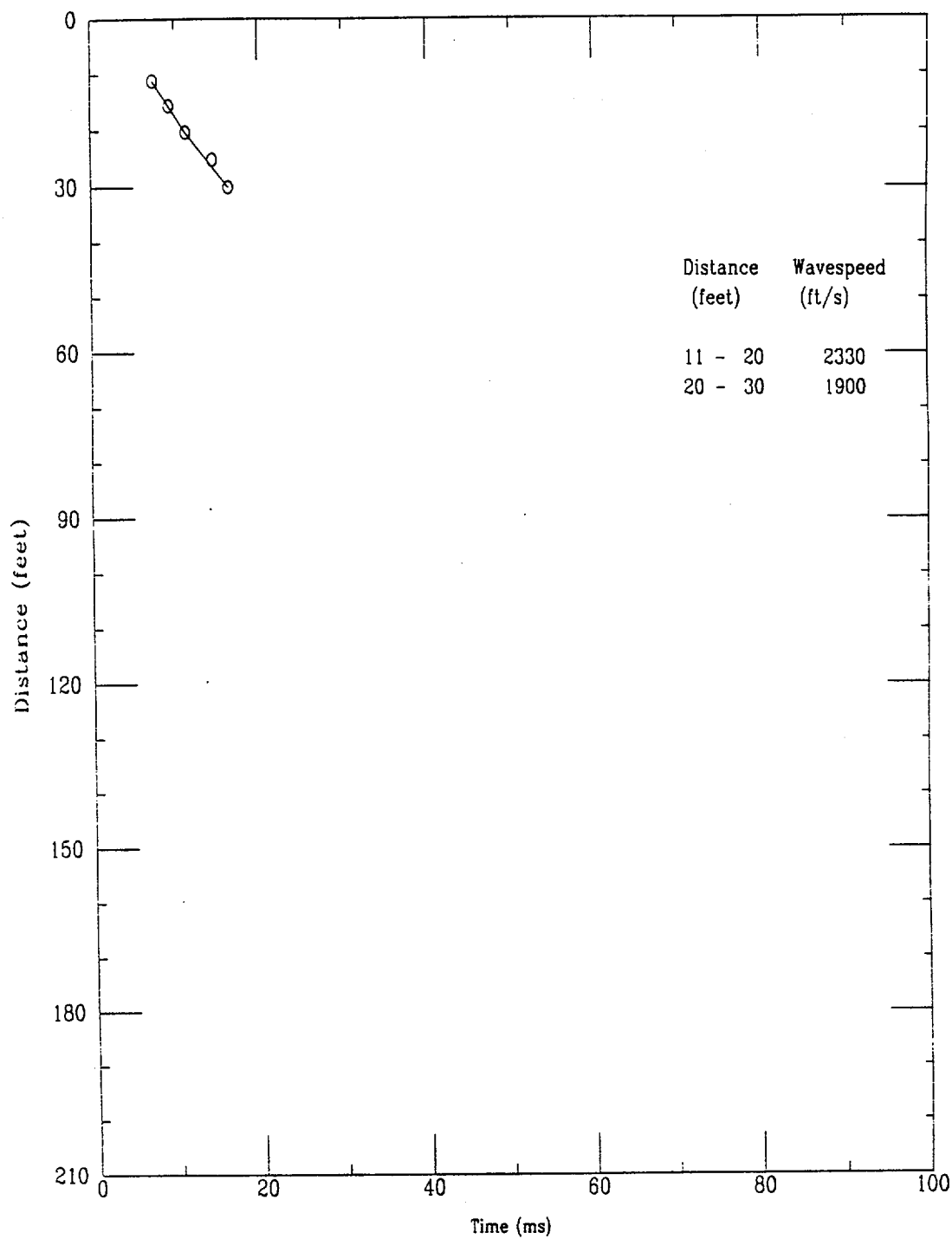


File 402u001S

CPT-11S

APPLIED RESEARCH ASSOCIATES, INC.
Compression Wave Time of Peak

06/02/00

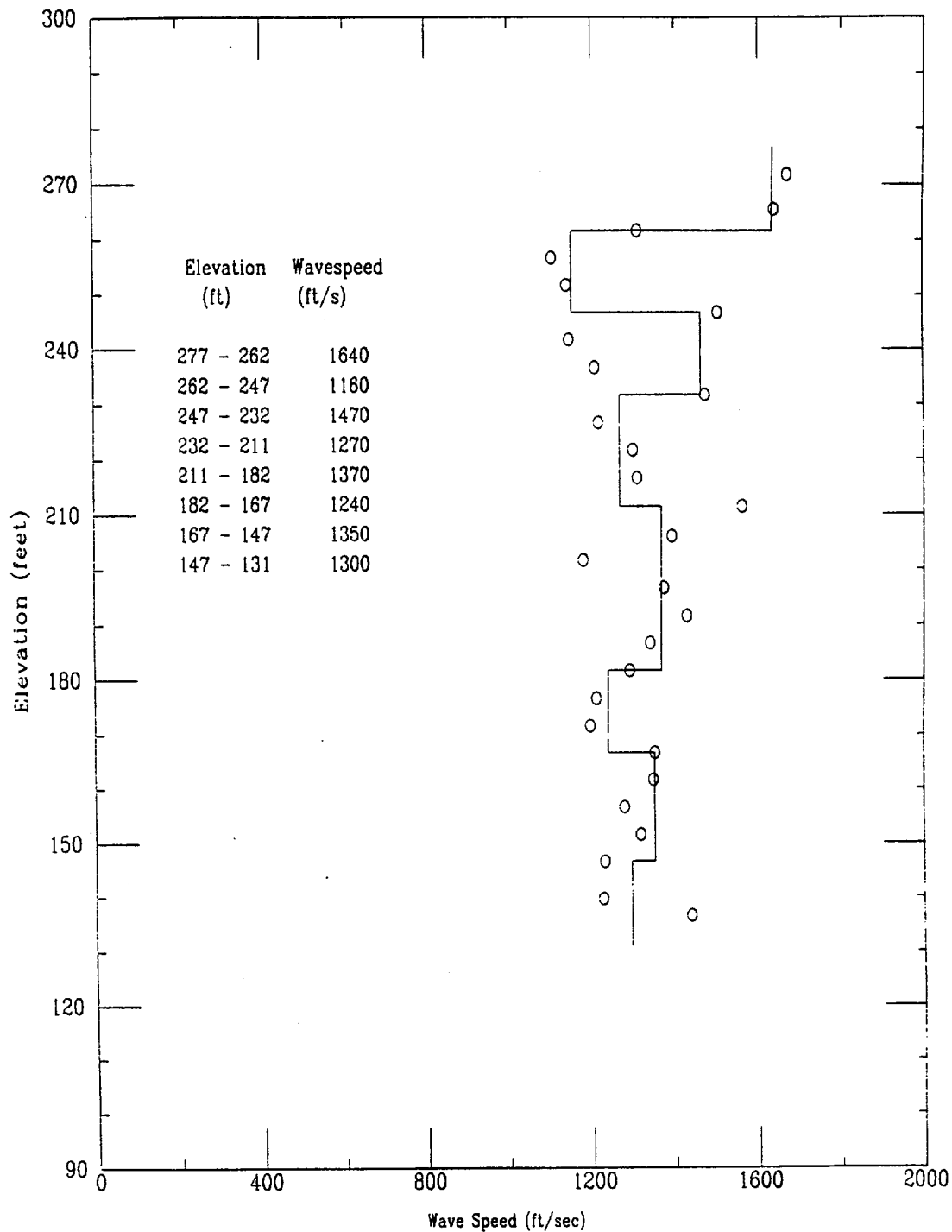


File 402u001S

253

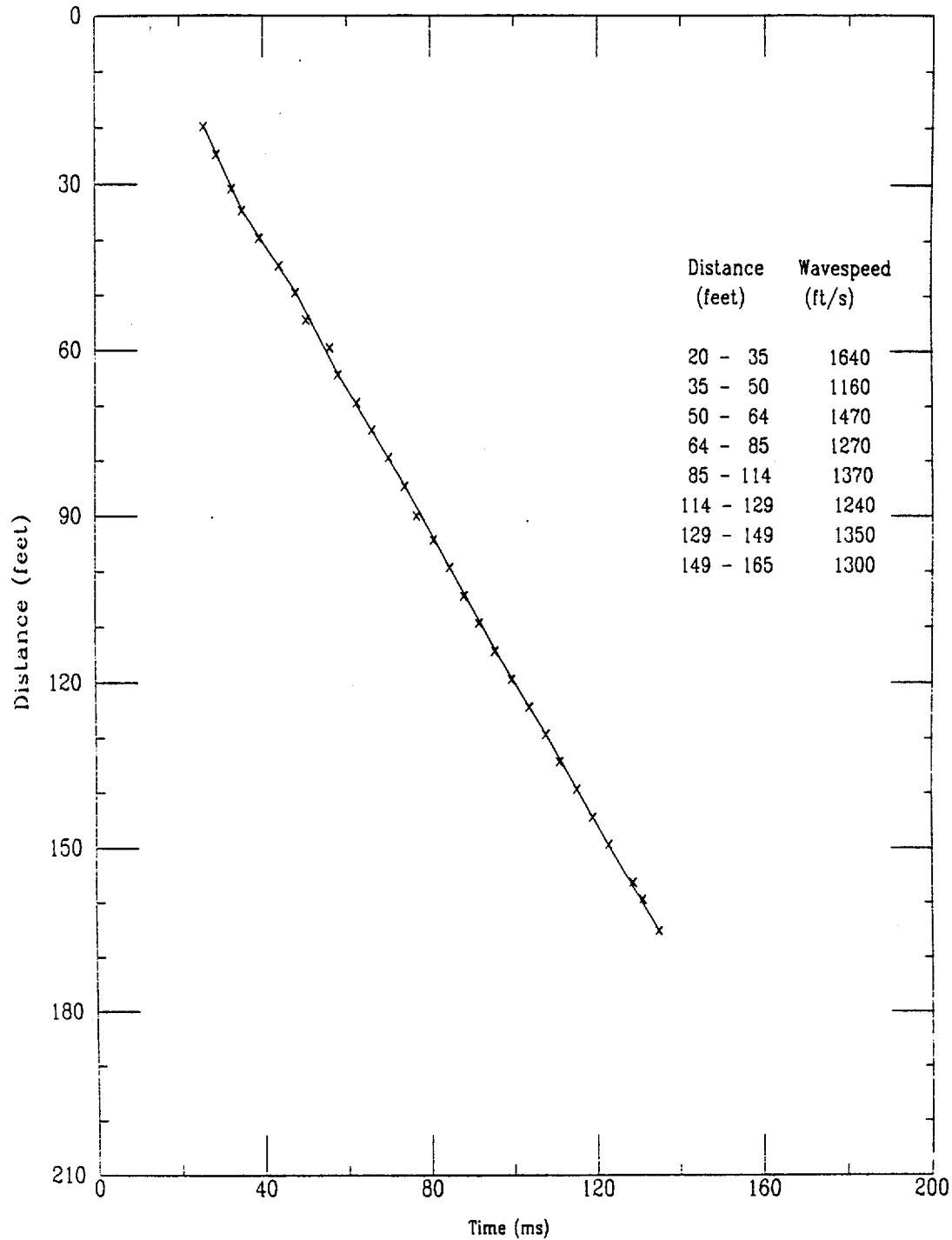
DCS, MFFF Project No. 08716

Shear Wave Speeds



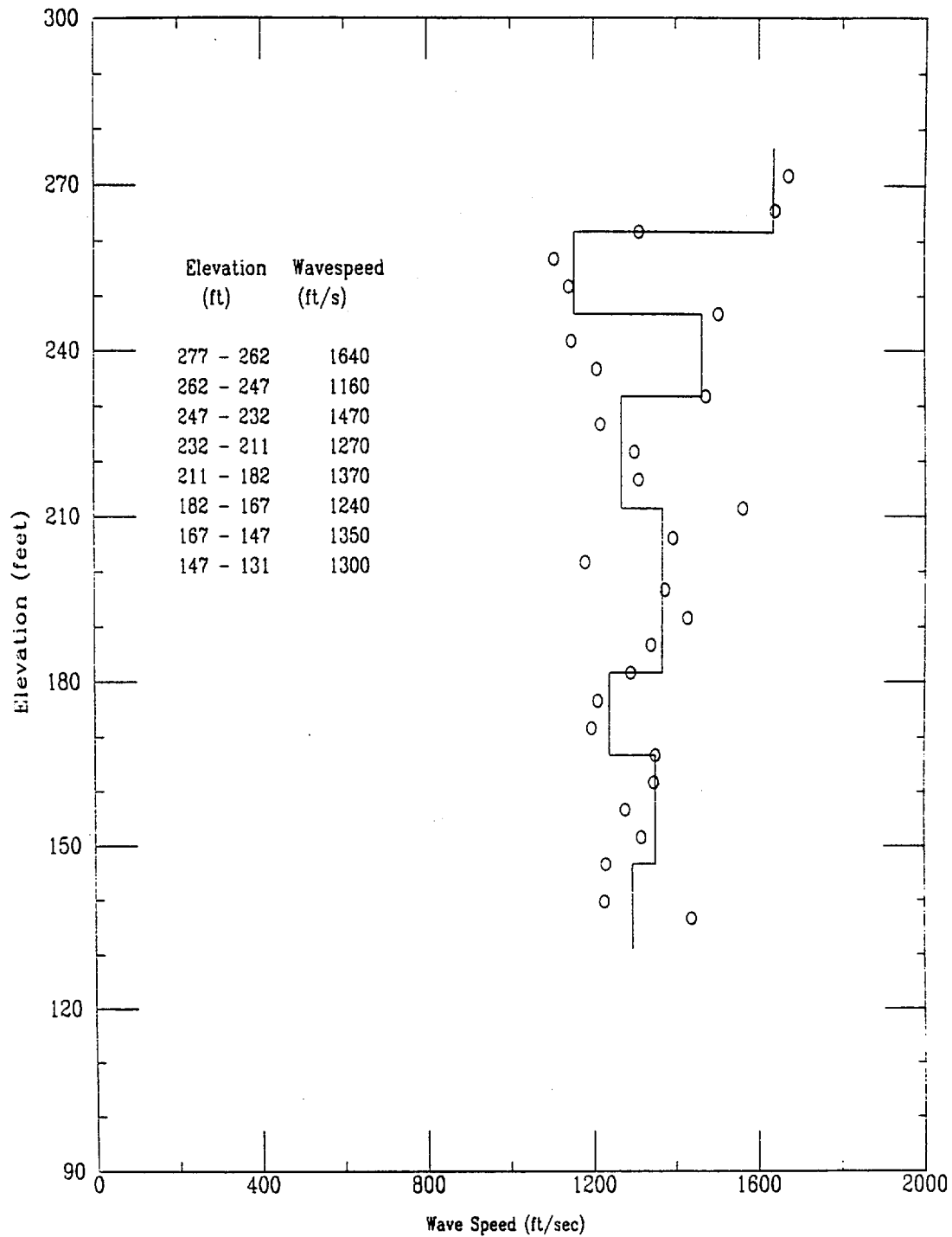
File 405u005S

Shear Wave Time of Peak



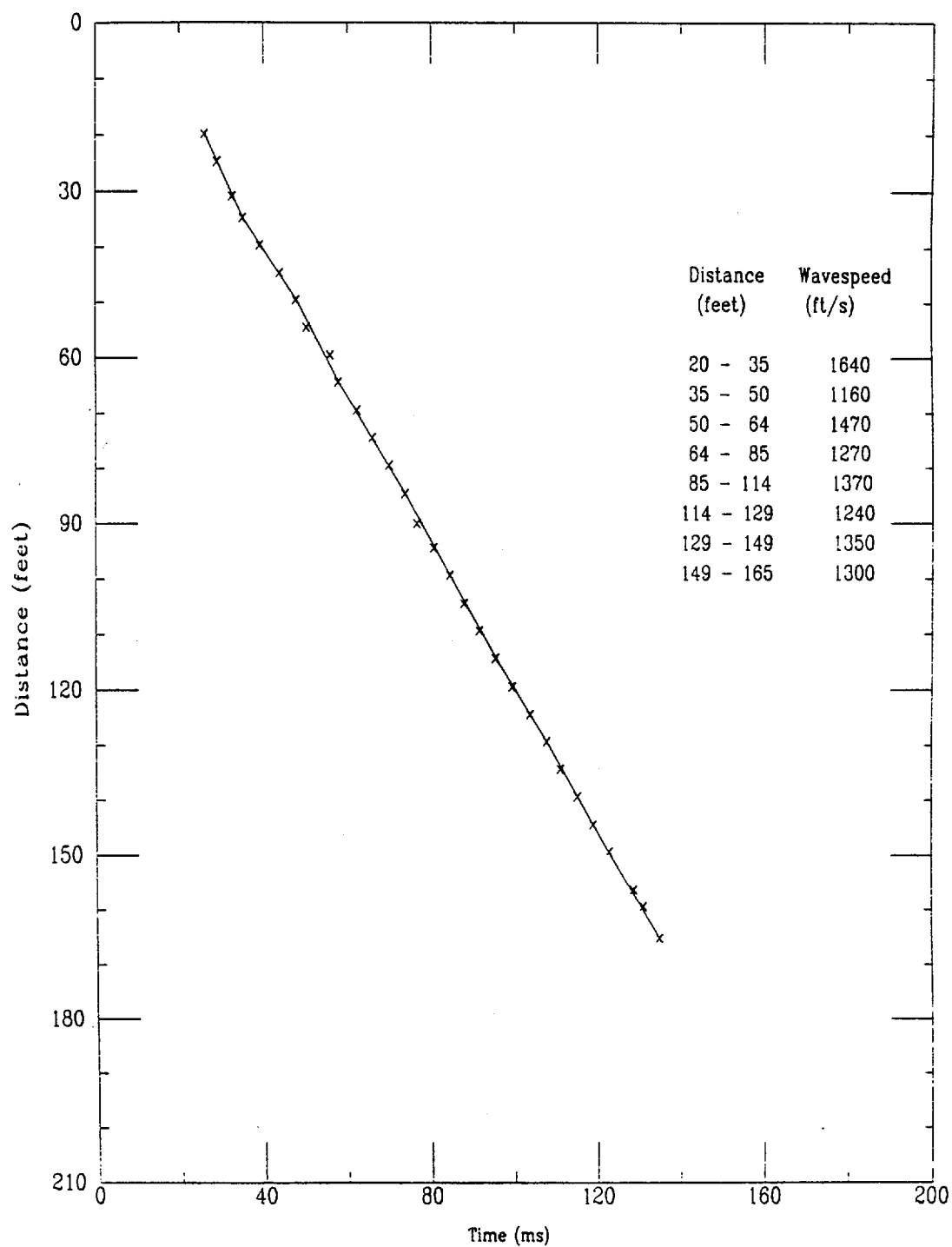
FILE 405u005S

Shear Wave Speeds



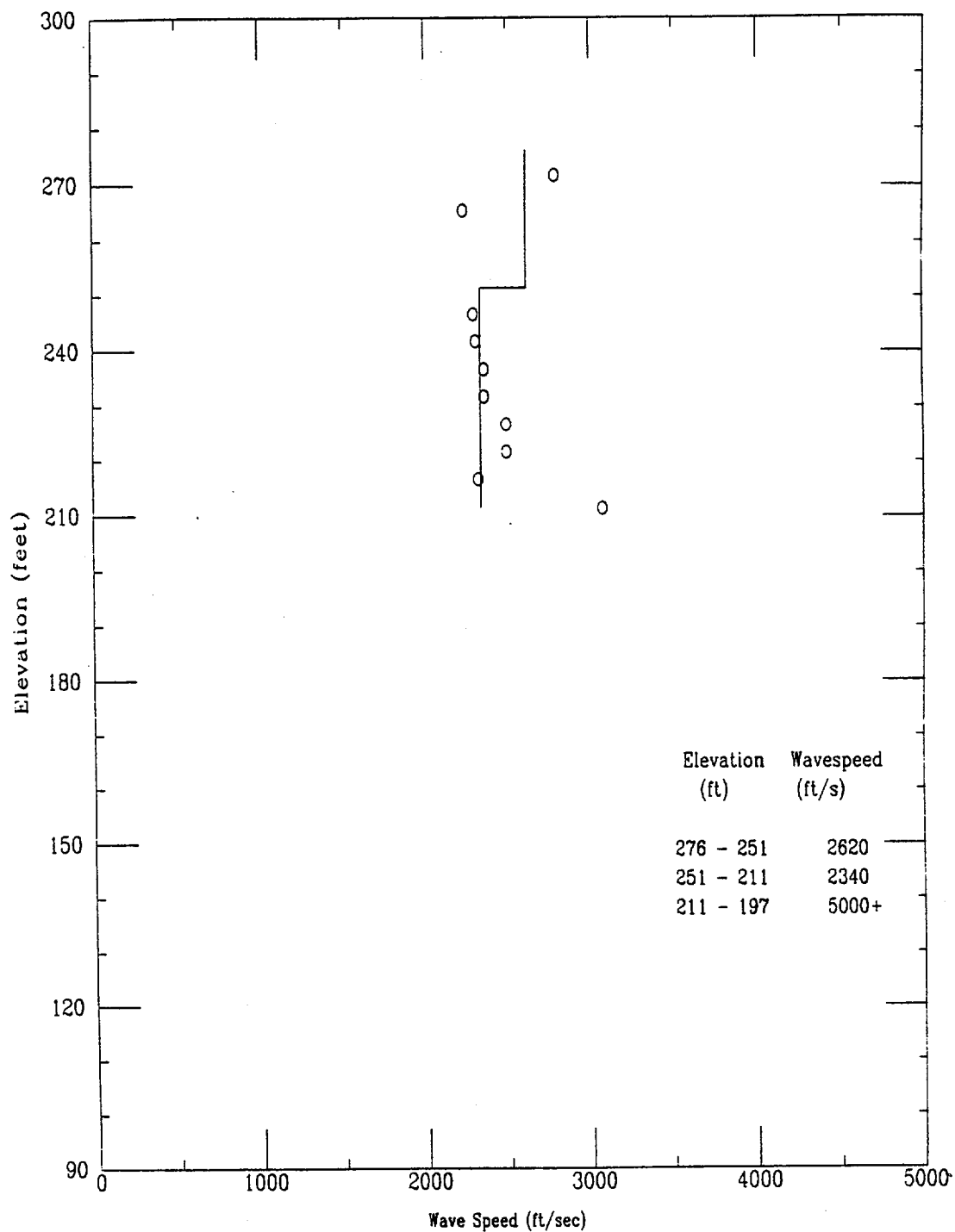
File 405u005S

Shear Wave Time of Peak



FILE 405u005S

Compression Wave Speeds



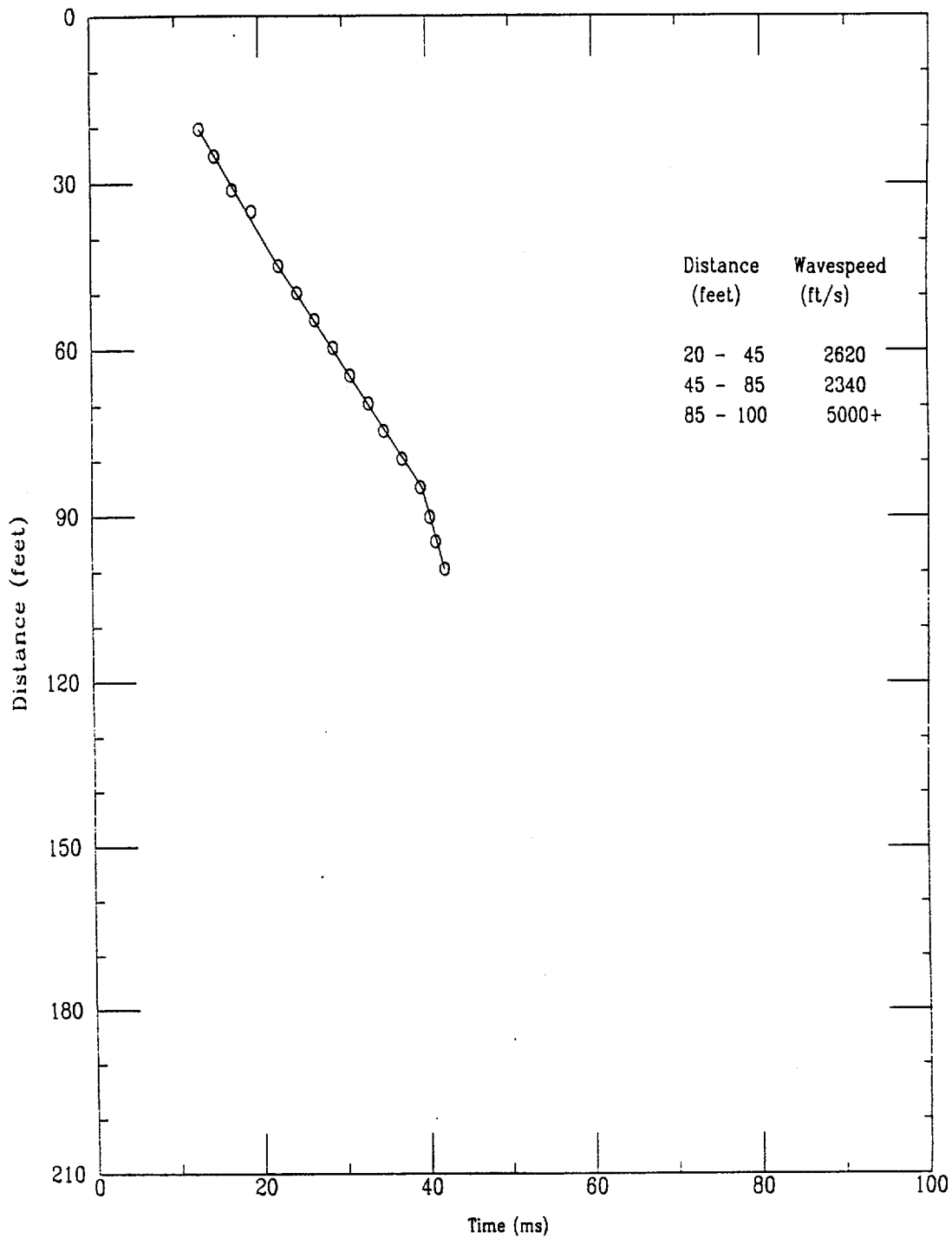
File 405u005S

CPT-13S

APPLIED RESEARCH ASSOCIATES, INC.

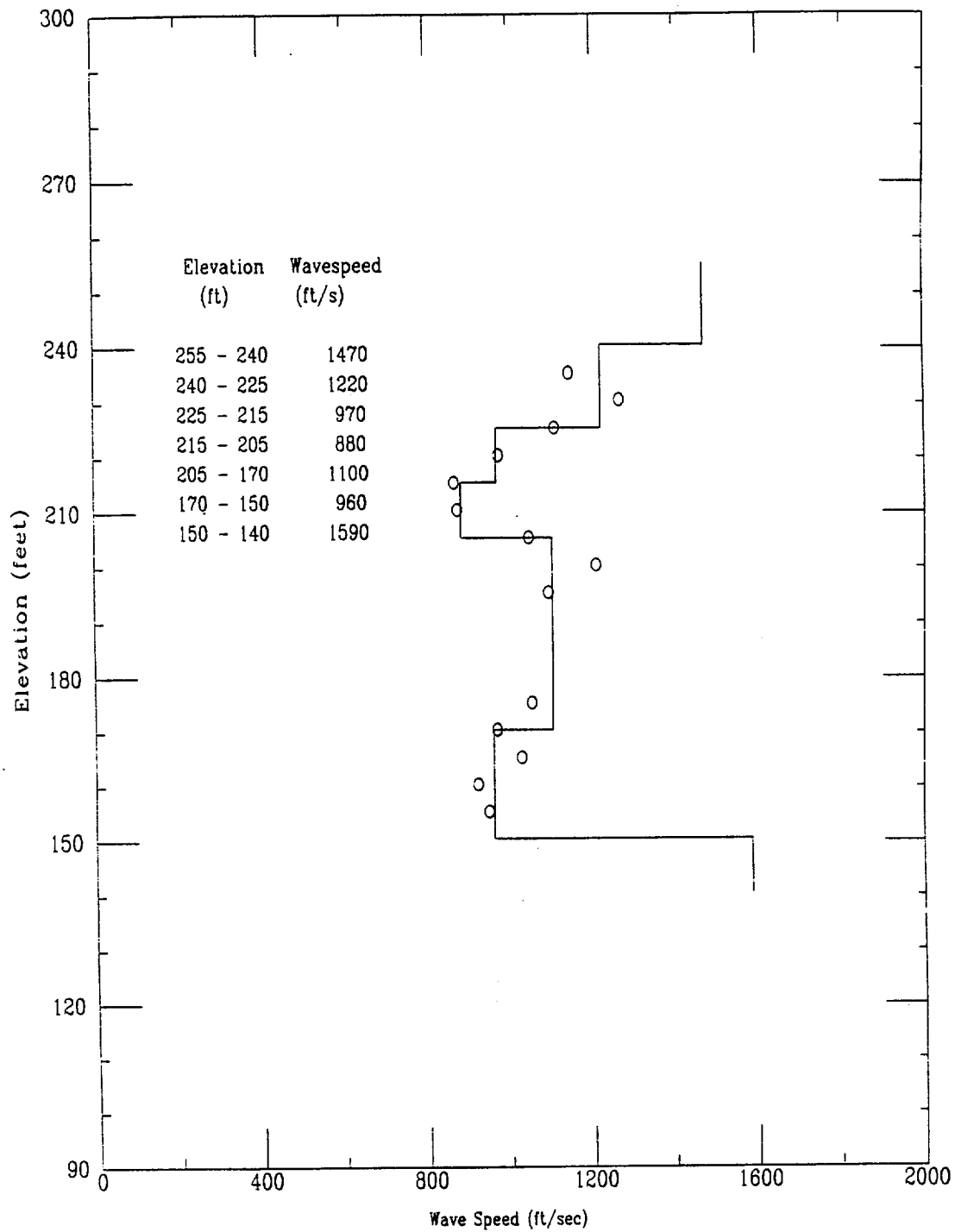
06/05/00

Compression Wave Time of Peak



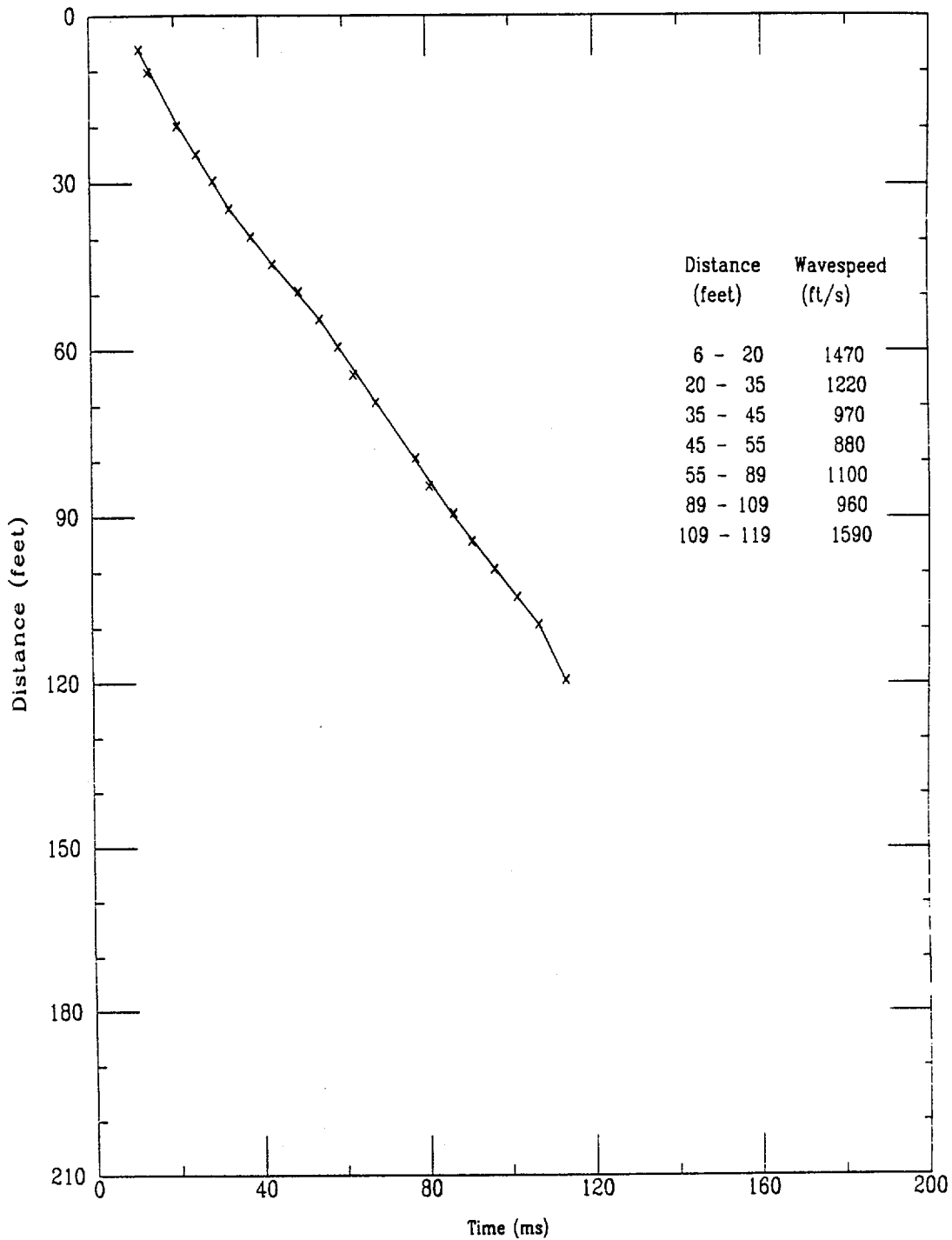
File 405u005S

Shear Wave Speeds



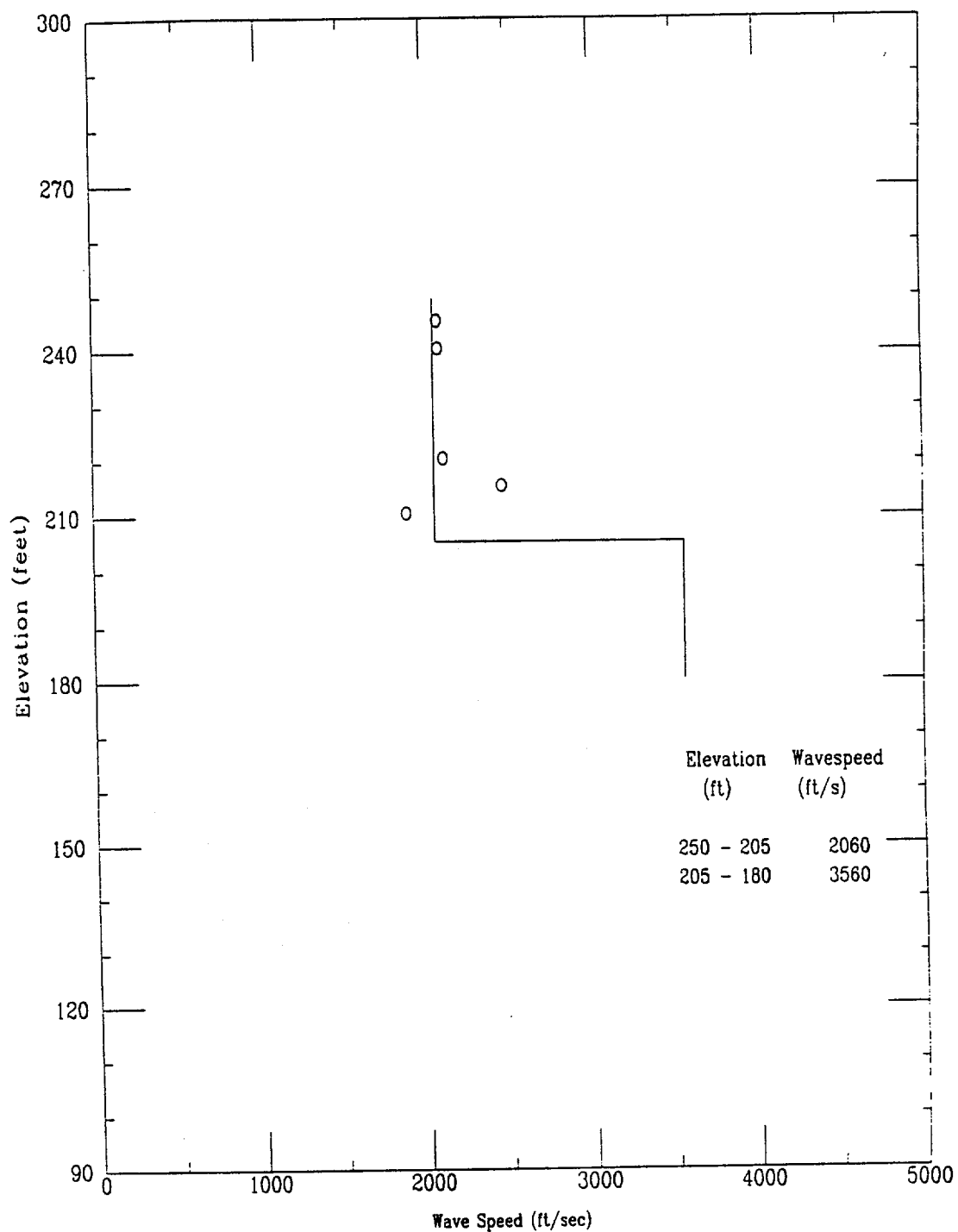
File 408u001S

Shear Wave Time of Peak

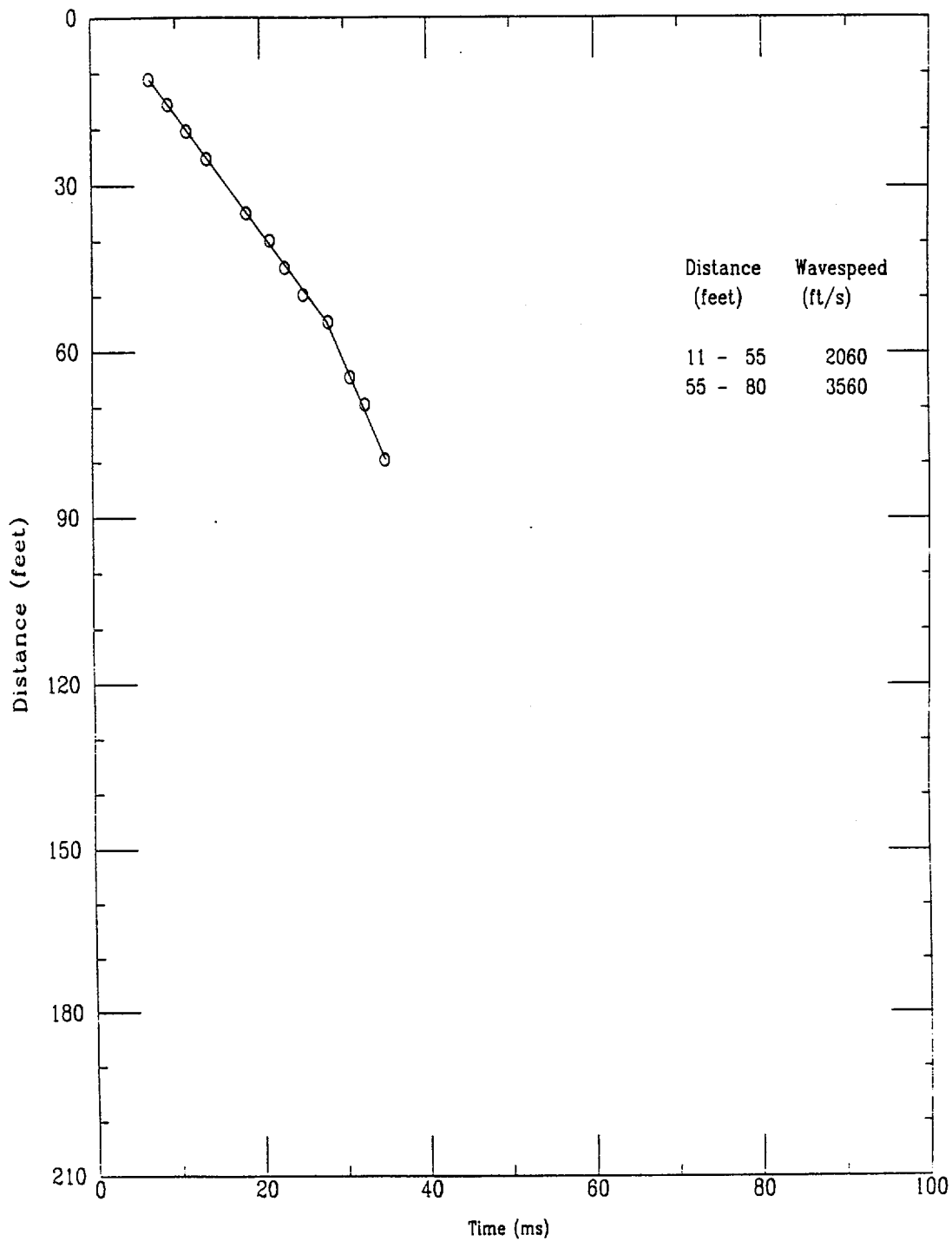


FILE 408u001S

Compression Wave Speeds

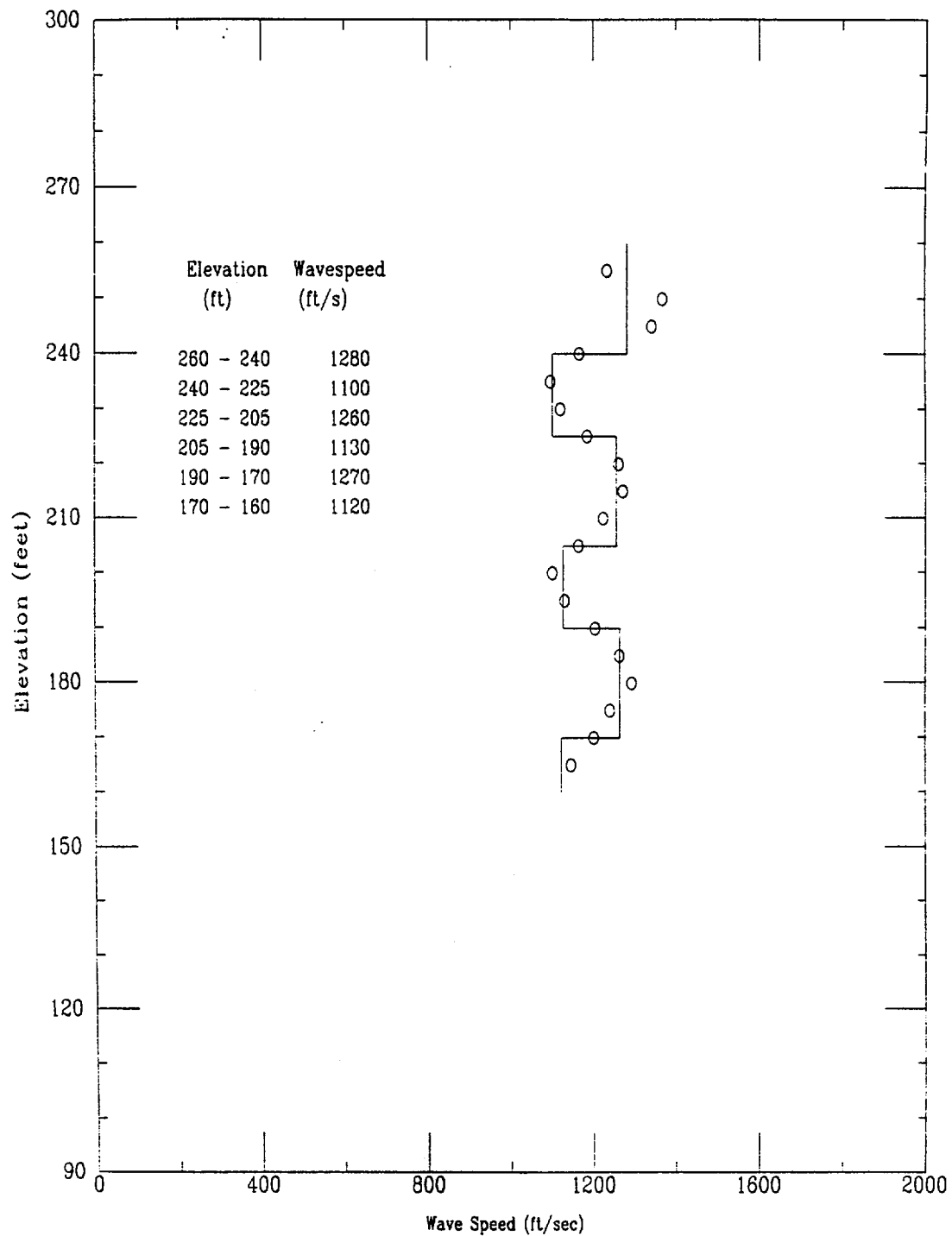


File 408u001S



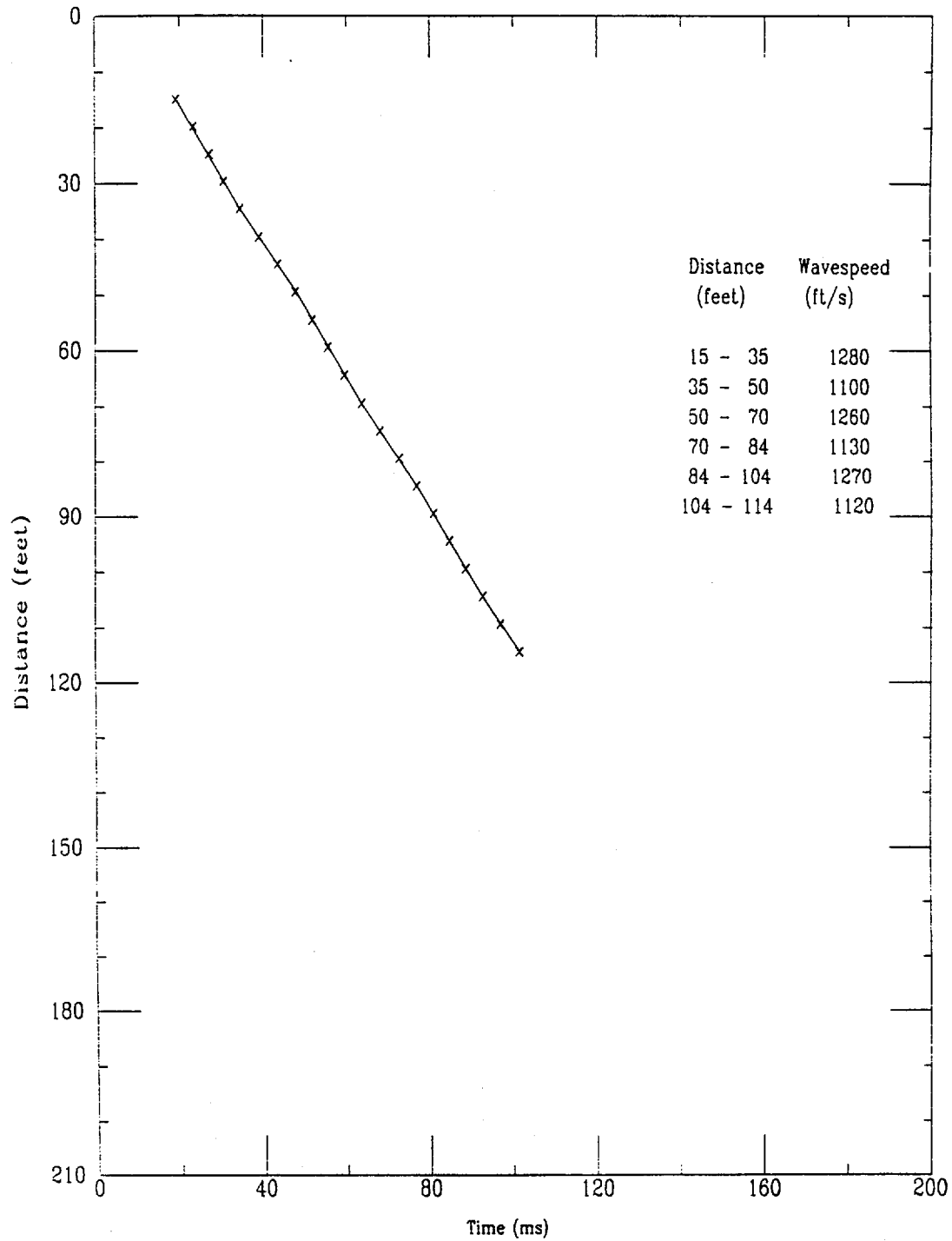
File 408u001S

Shear Wave Speeds



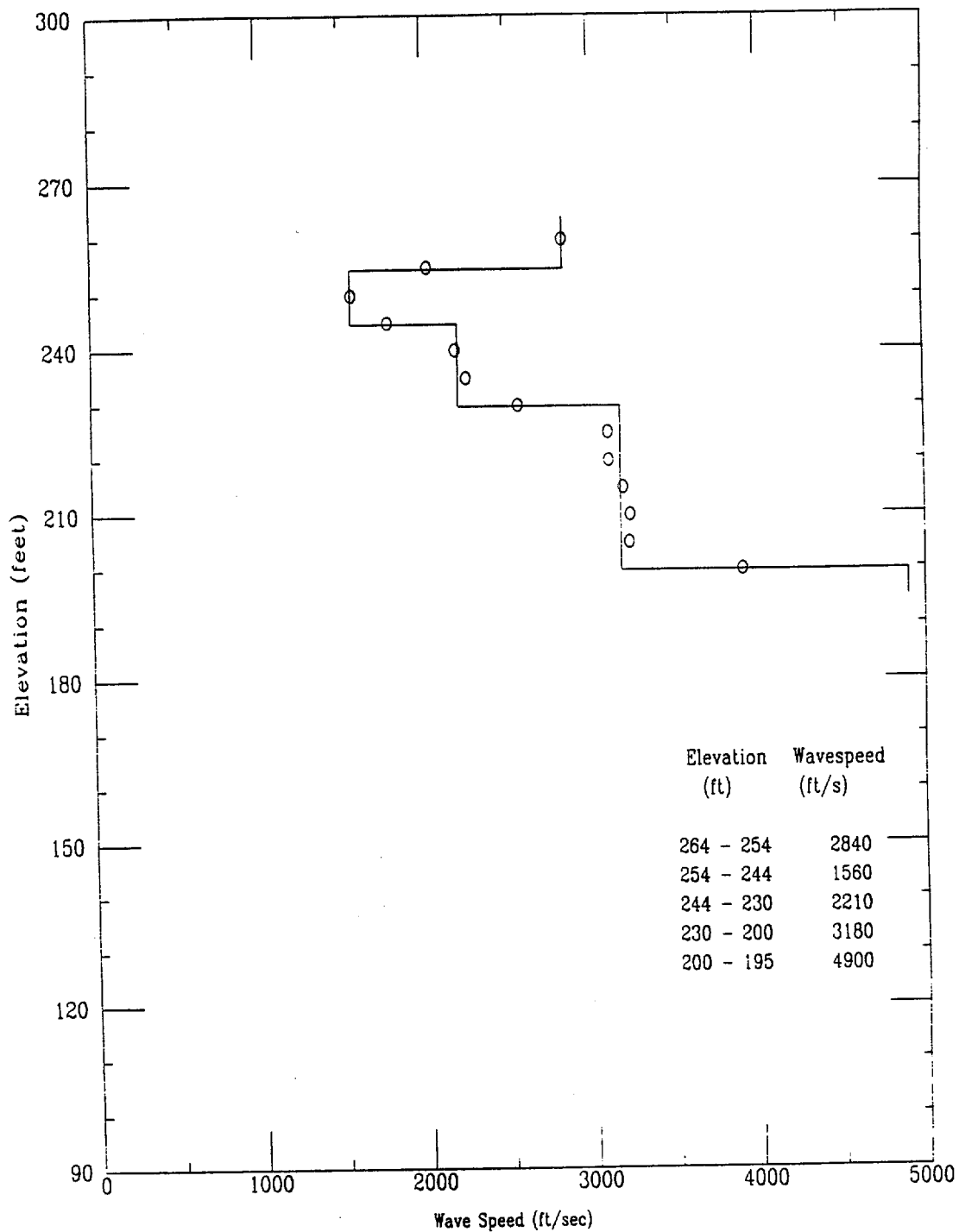
File 403u002S

Shear Wave Time of Peak

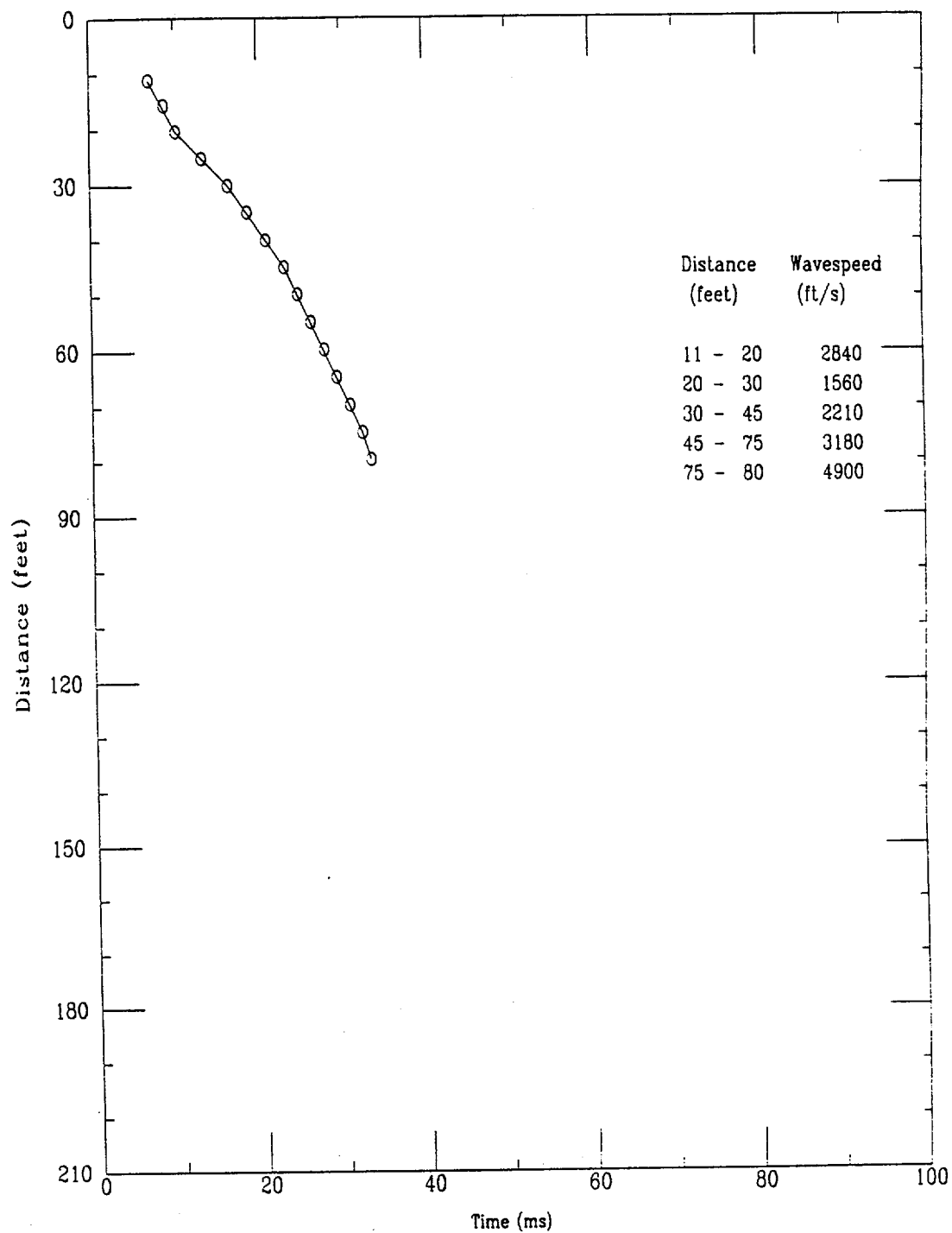


FILE 403u002S

Compression Wave Speeds

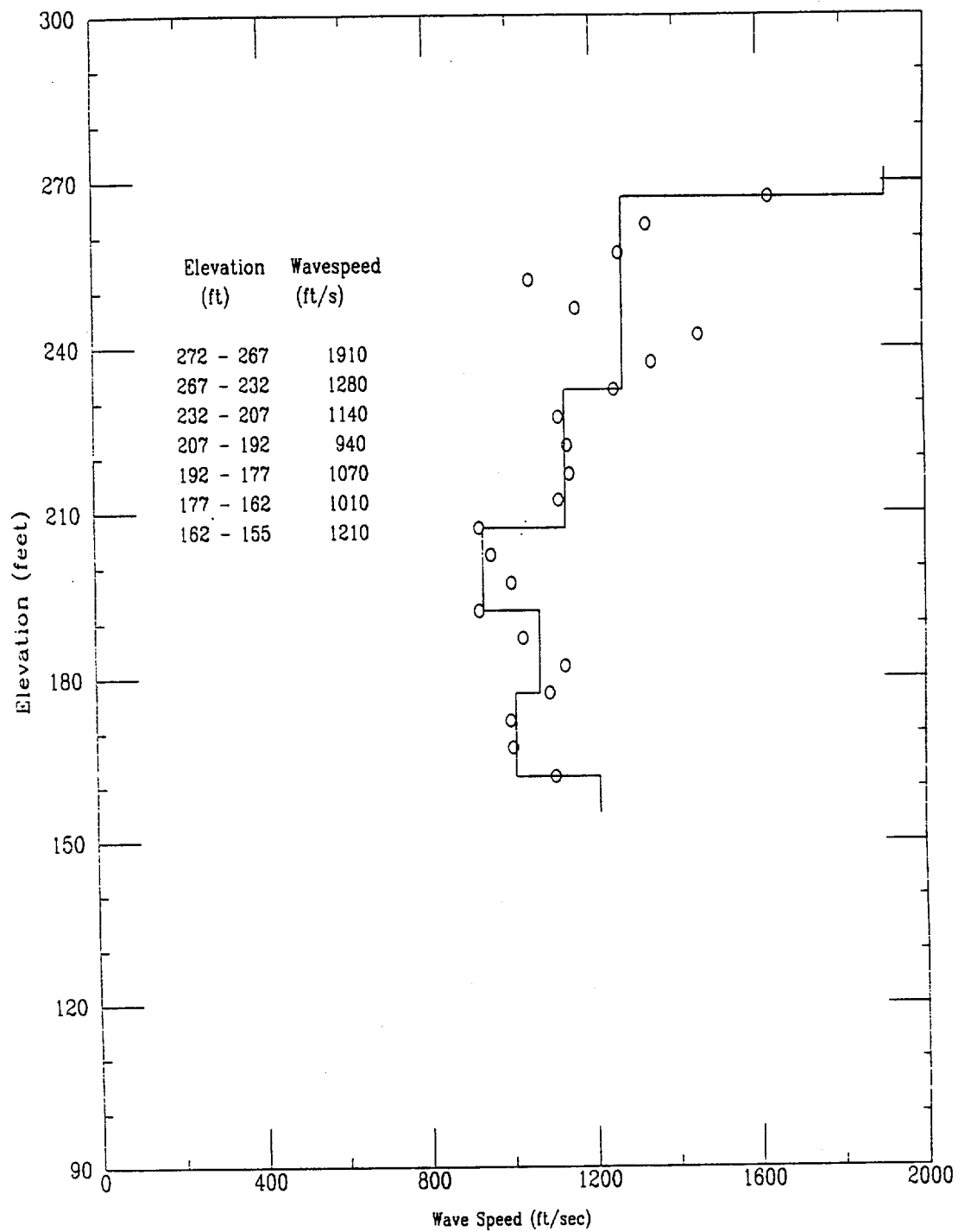


File 403u002S



File 403u002S

Shear Wave Speeds

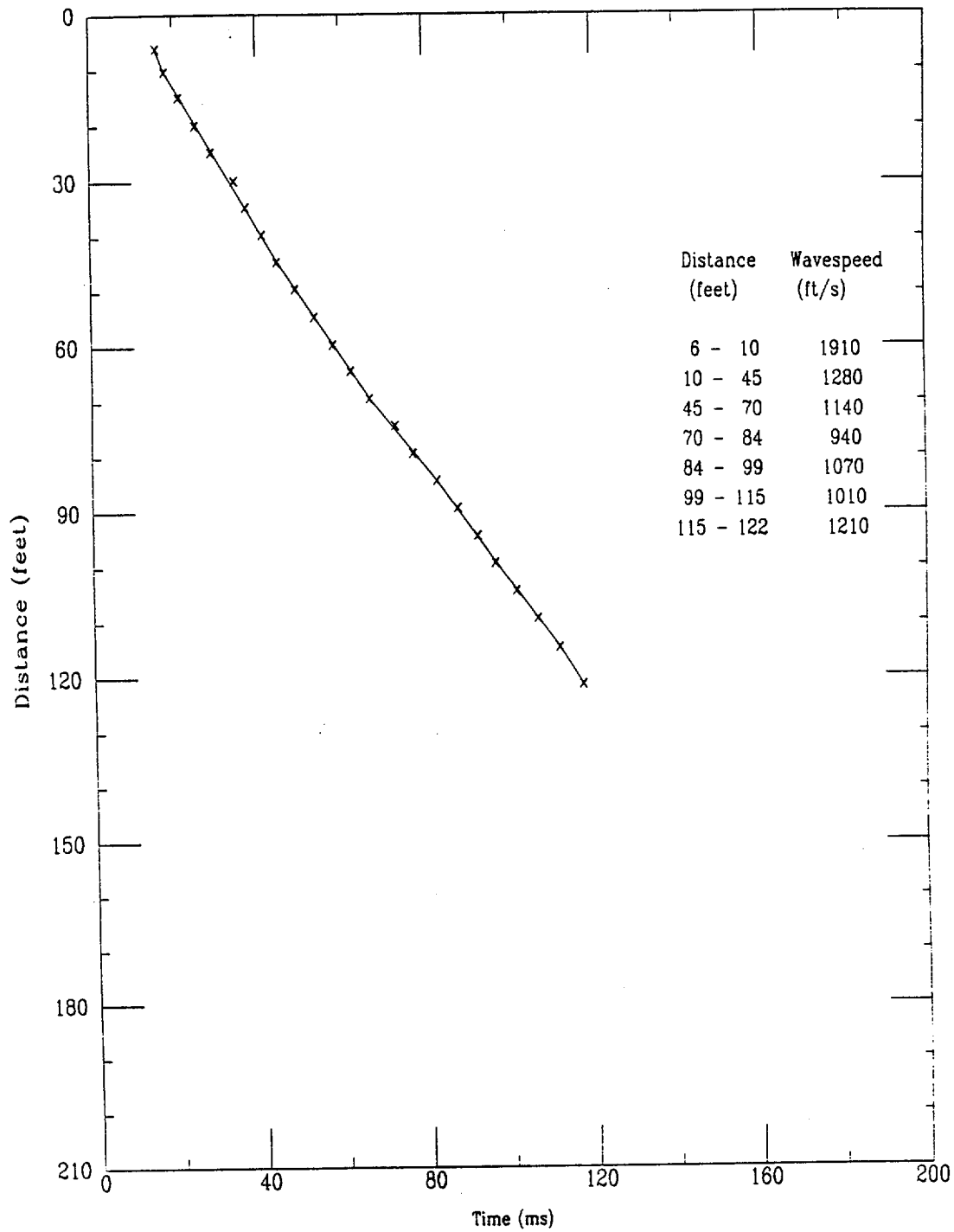


File 408u003S

CPT-23S

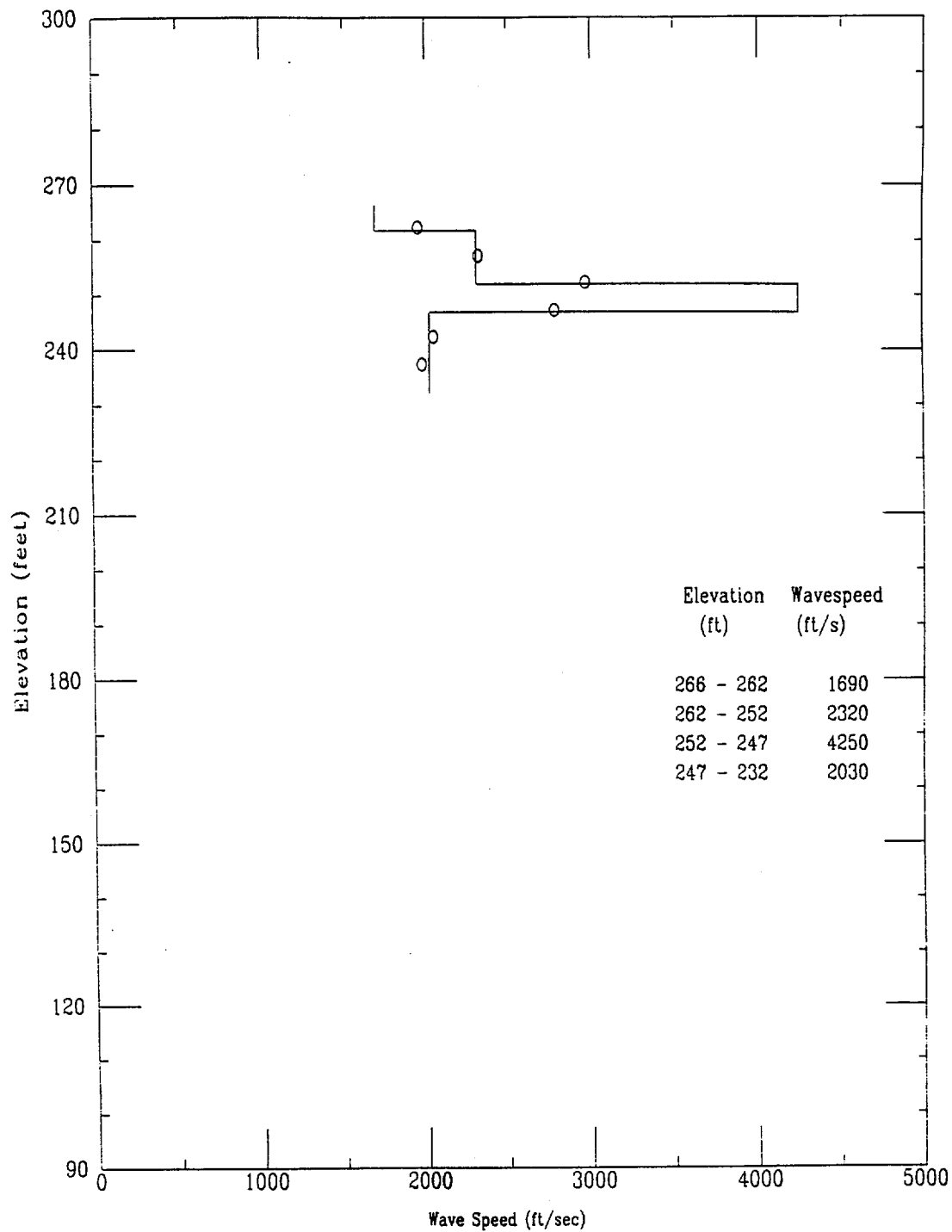
APPLIED RESEARCH ASSOCIATES, INC.
Shear Wave Time of Peak

06/06/00

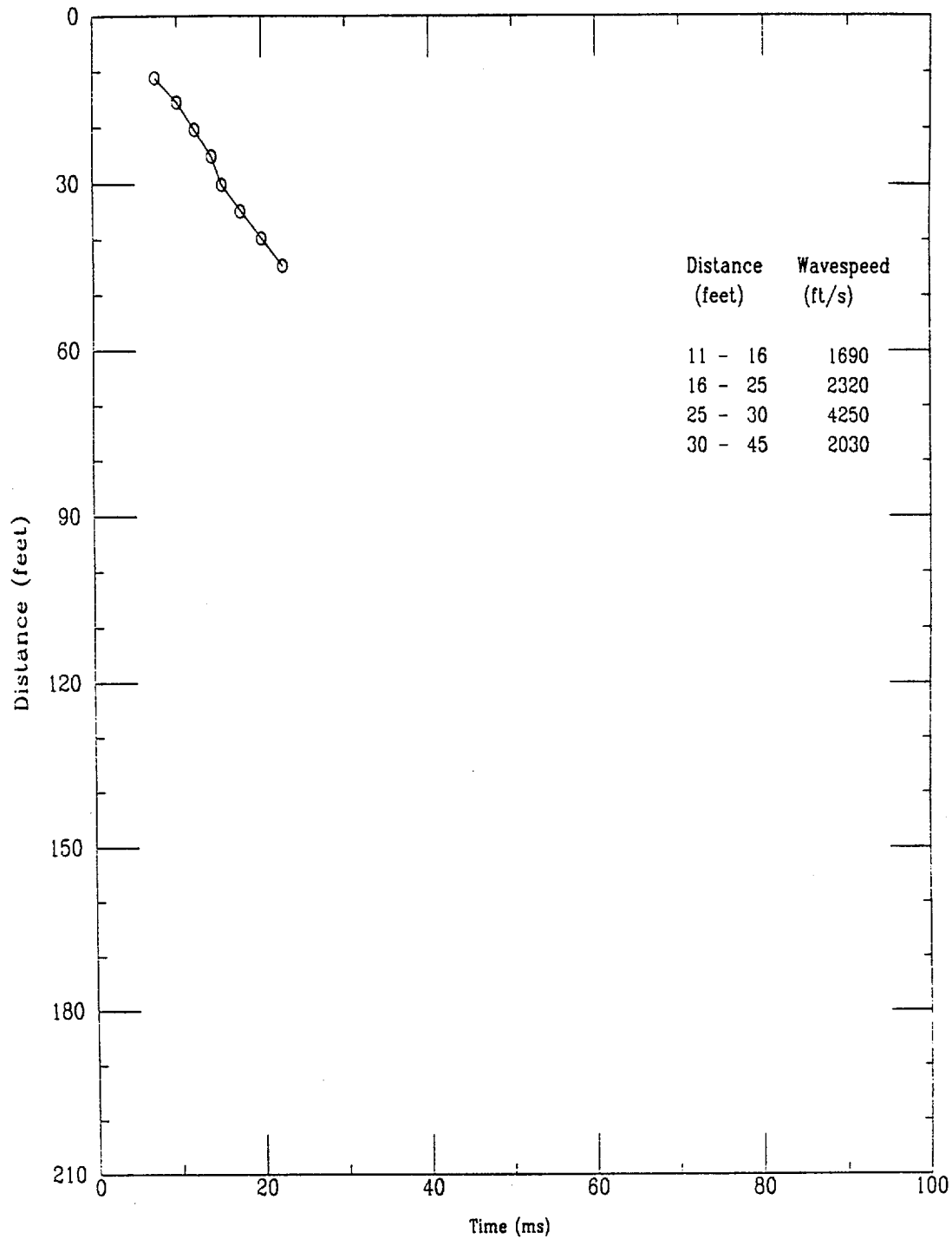


FILE 406u003S

DCS, MFFF Project No. 08716

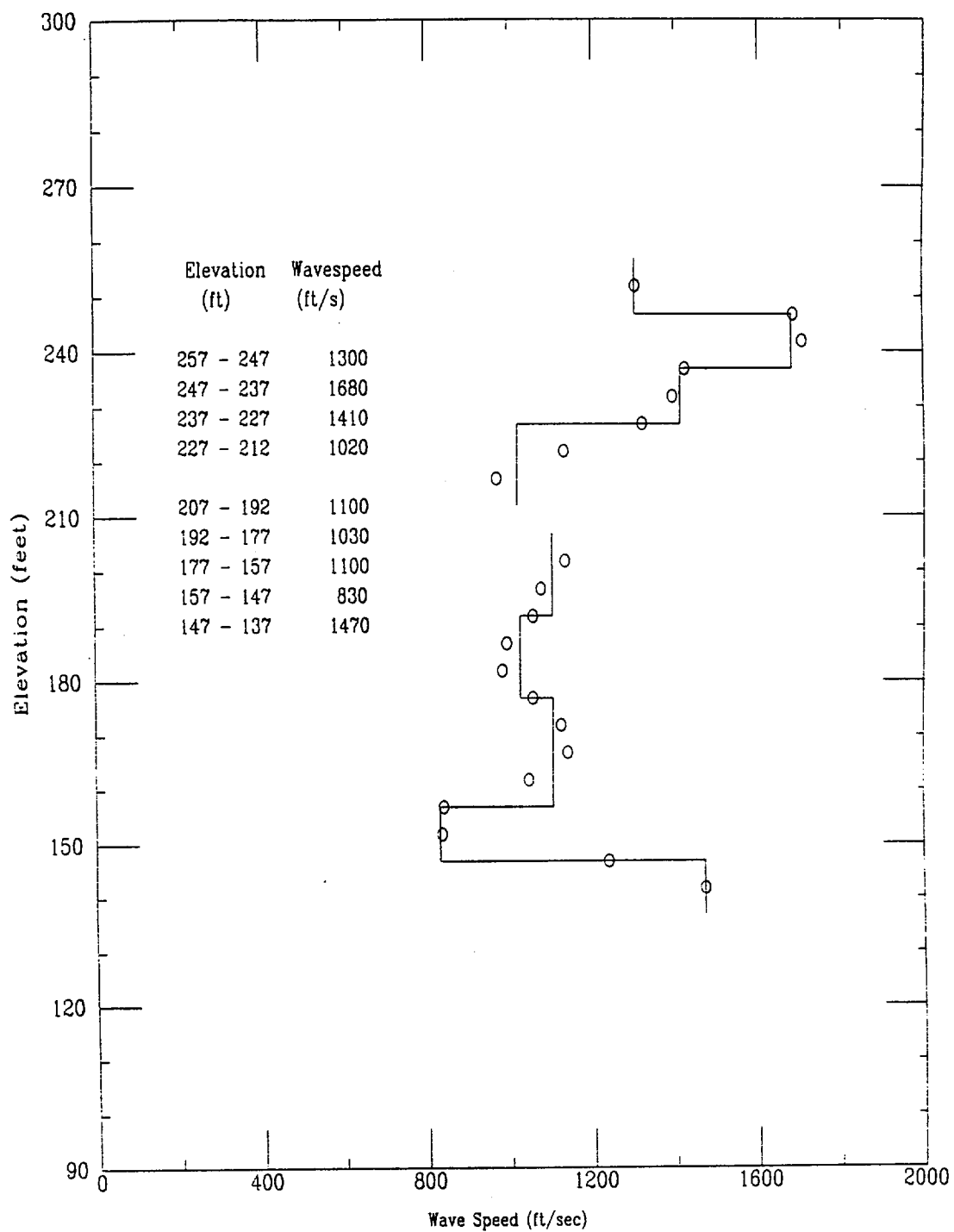


File 406u003S

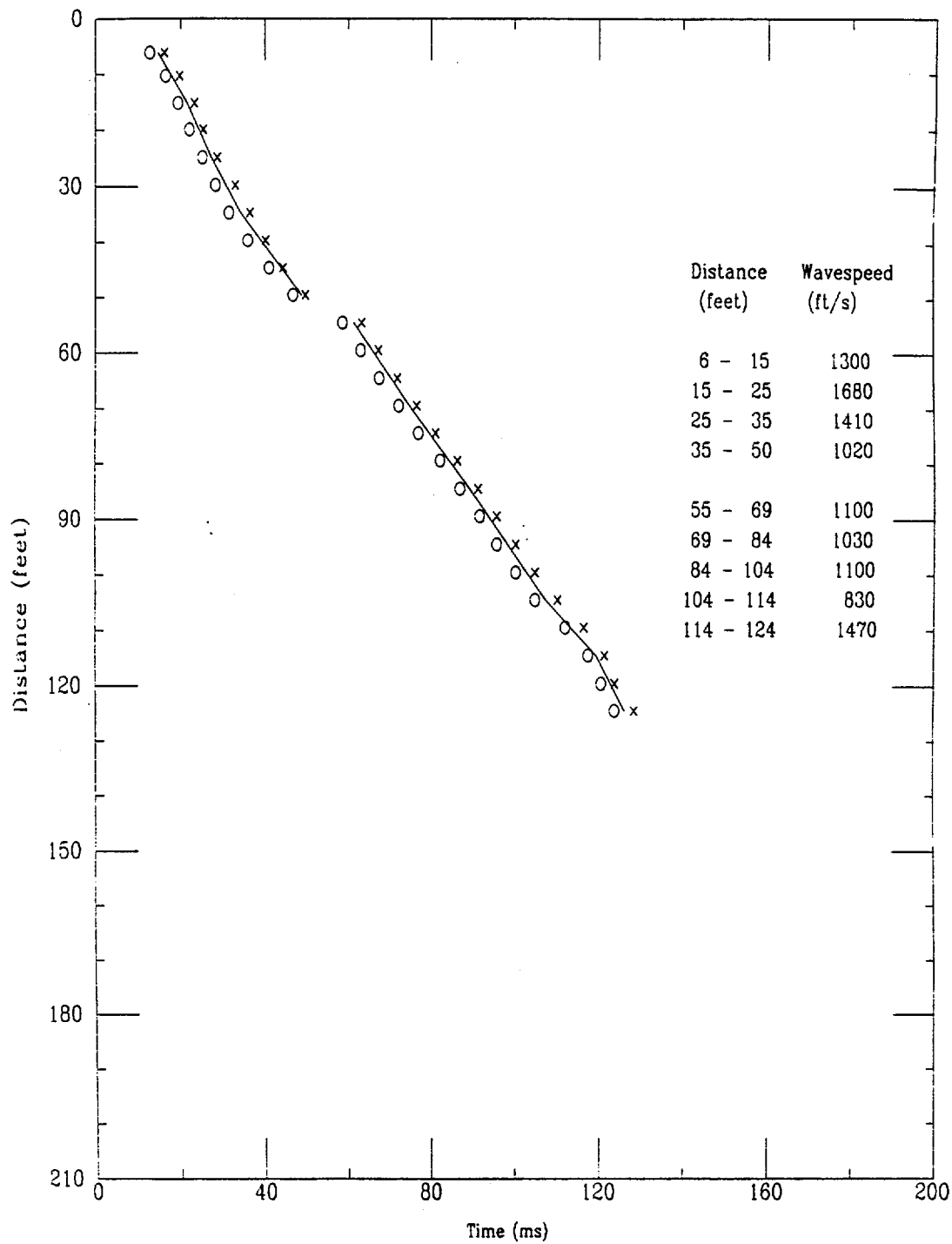


File 406u003S

Shear Wave Speeds

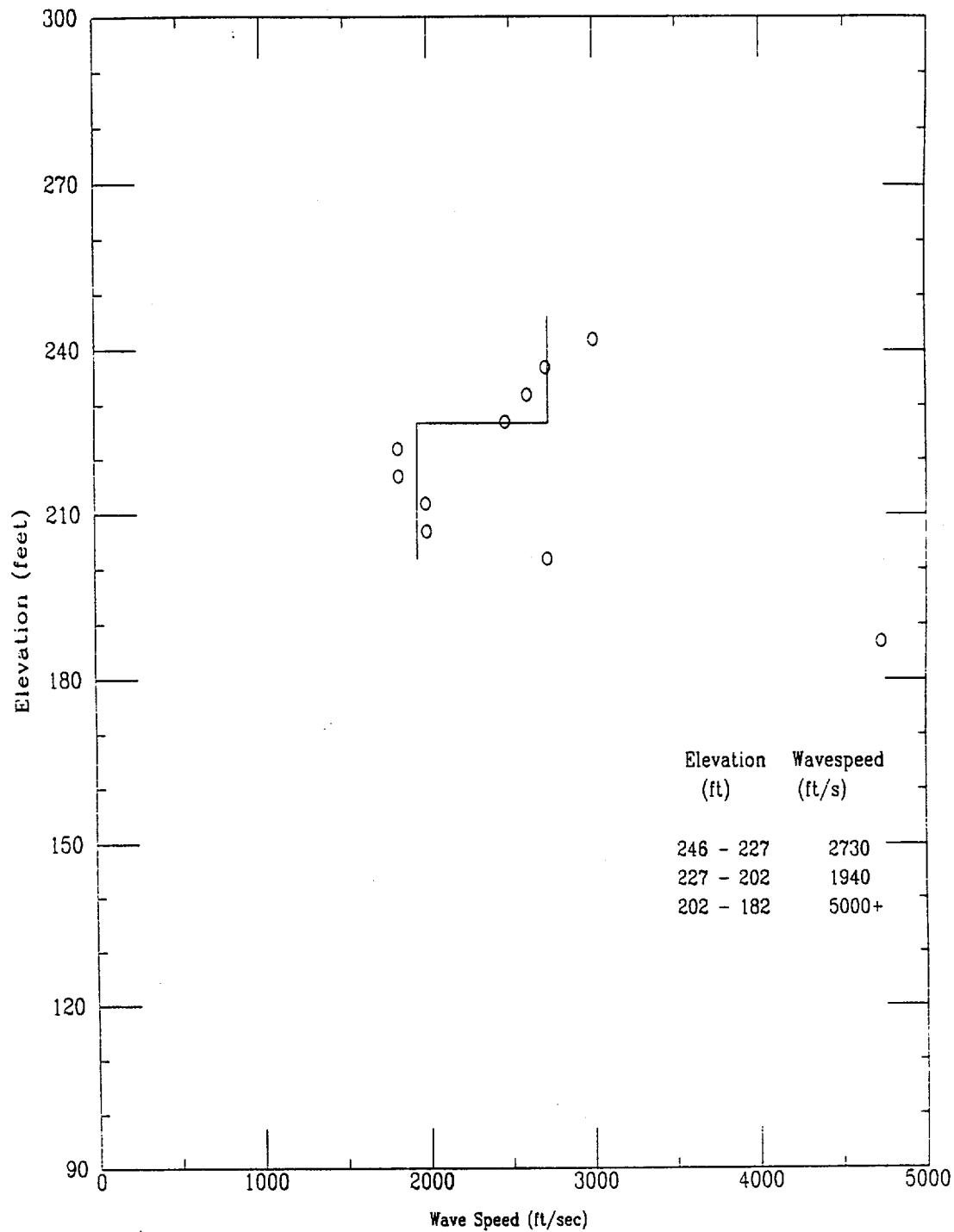


File 406u001S



FILE 406u001S

Compression Wave Speeds



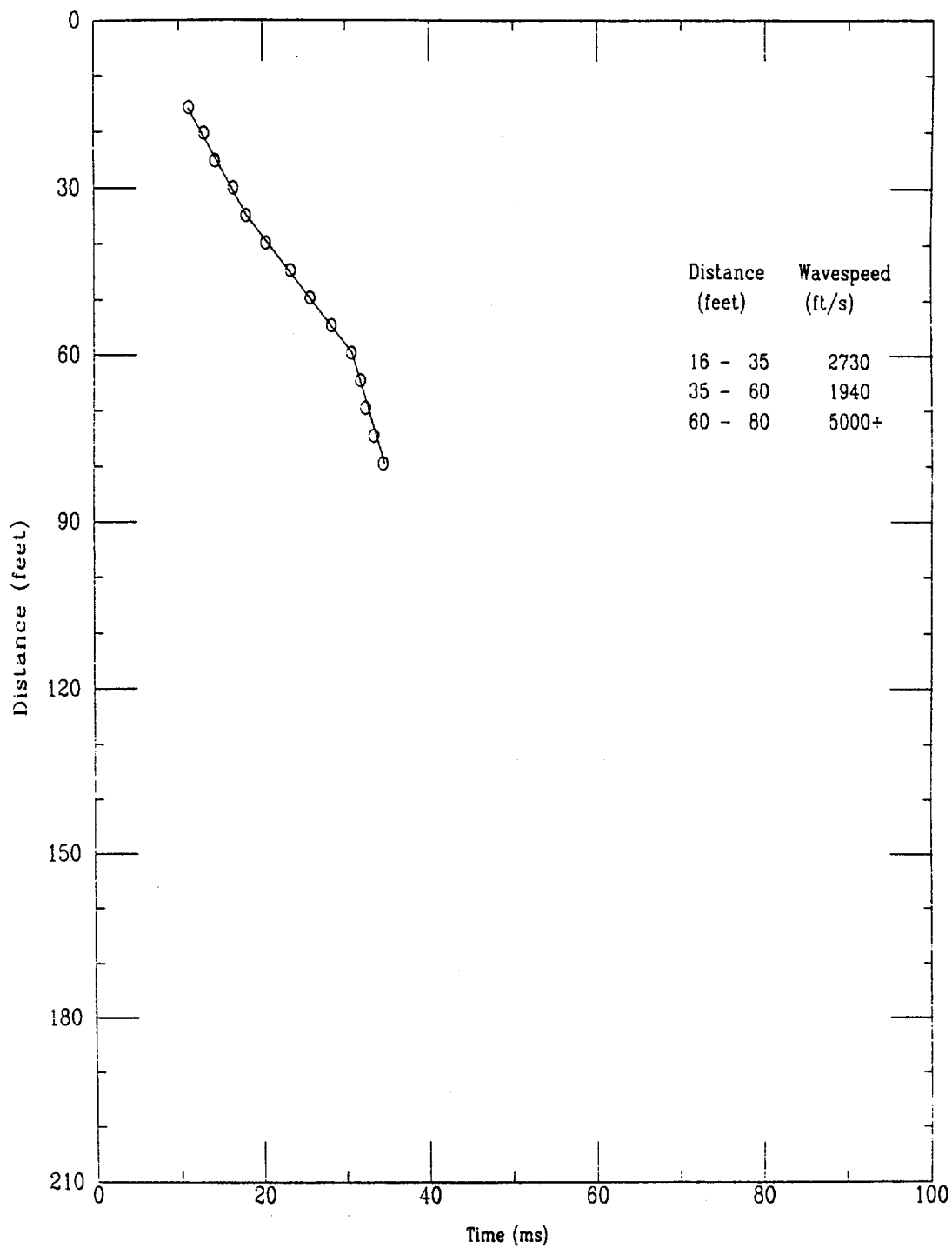
File 406u001S

CPT-26S

APPLIED RESEARCH ASSOCIATES, INC.

06/06/00

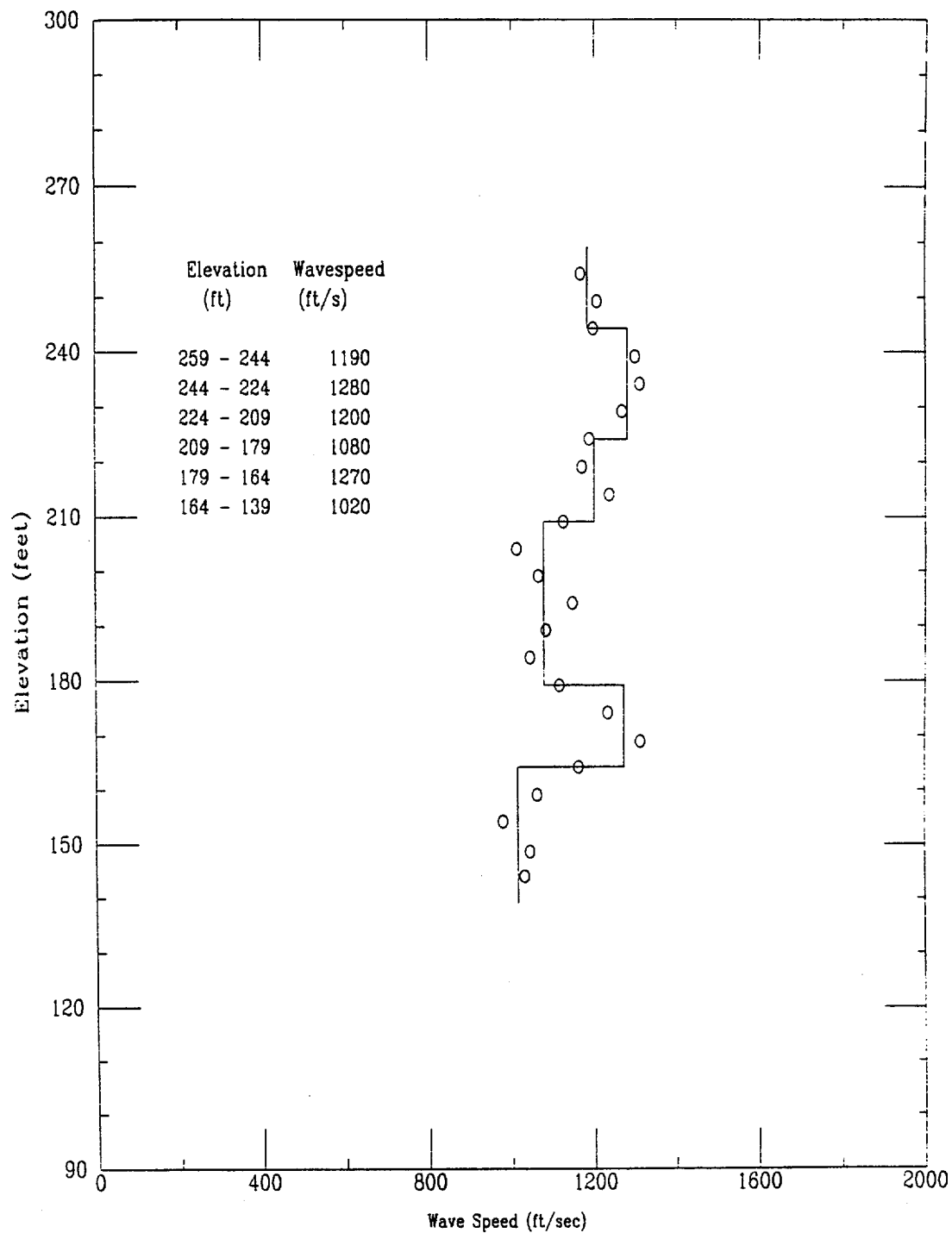
Compression Wave Time of Peak



File 408u001S

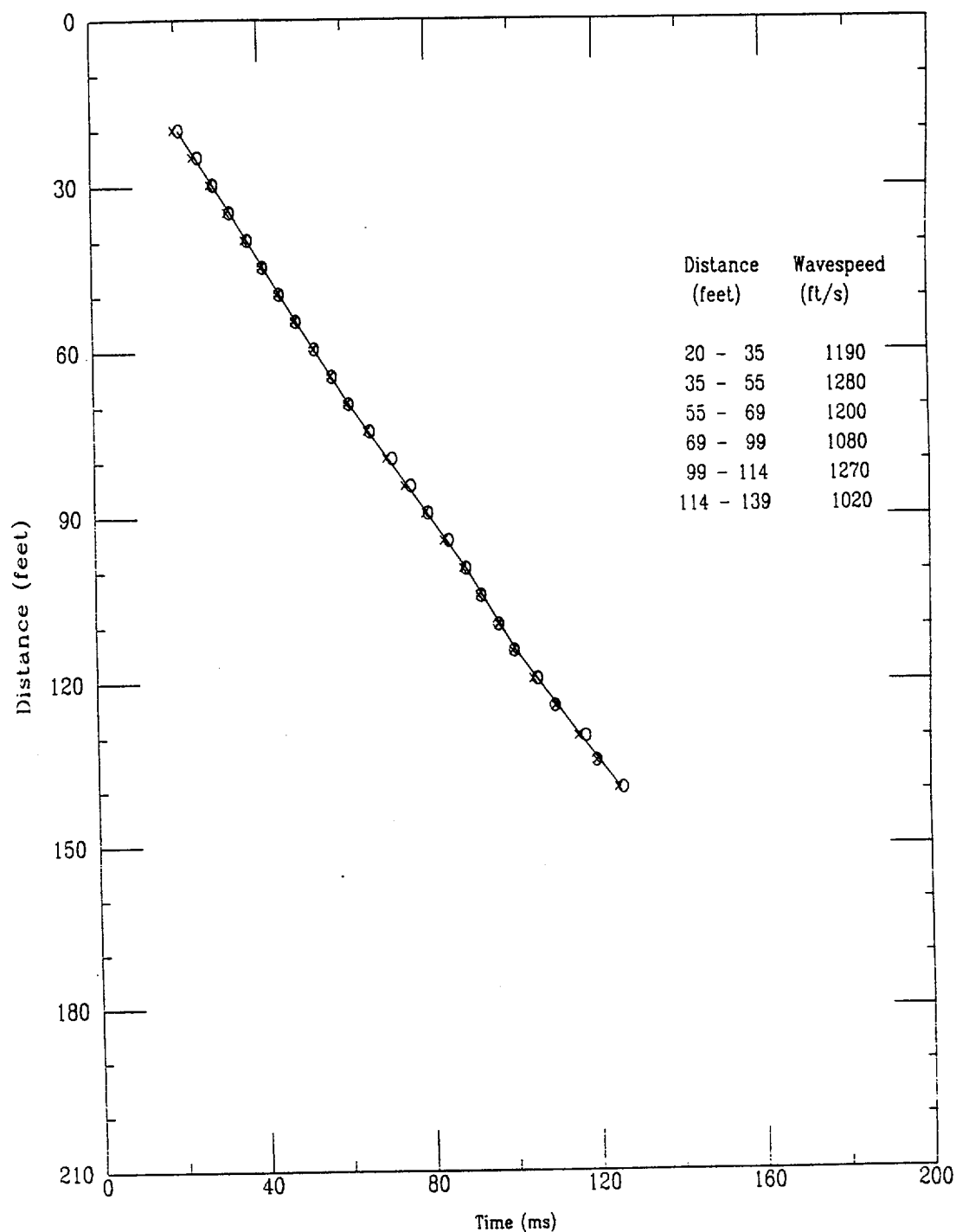
275

Shear Wave Speeds



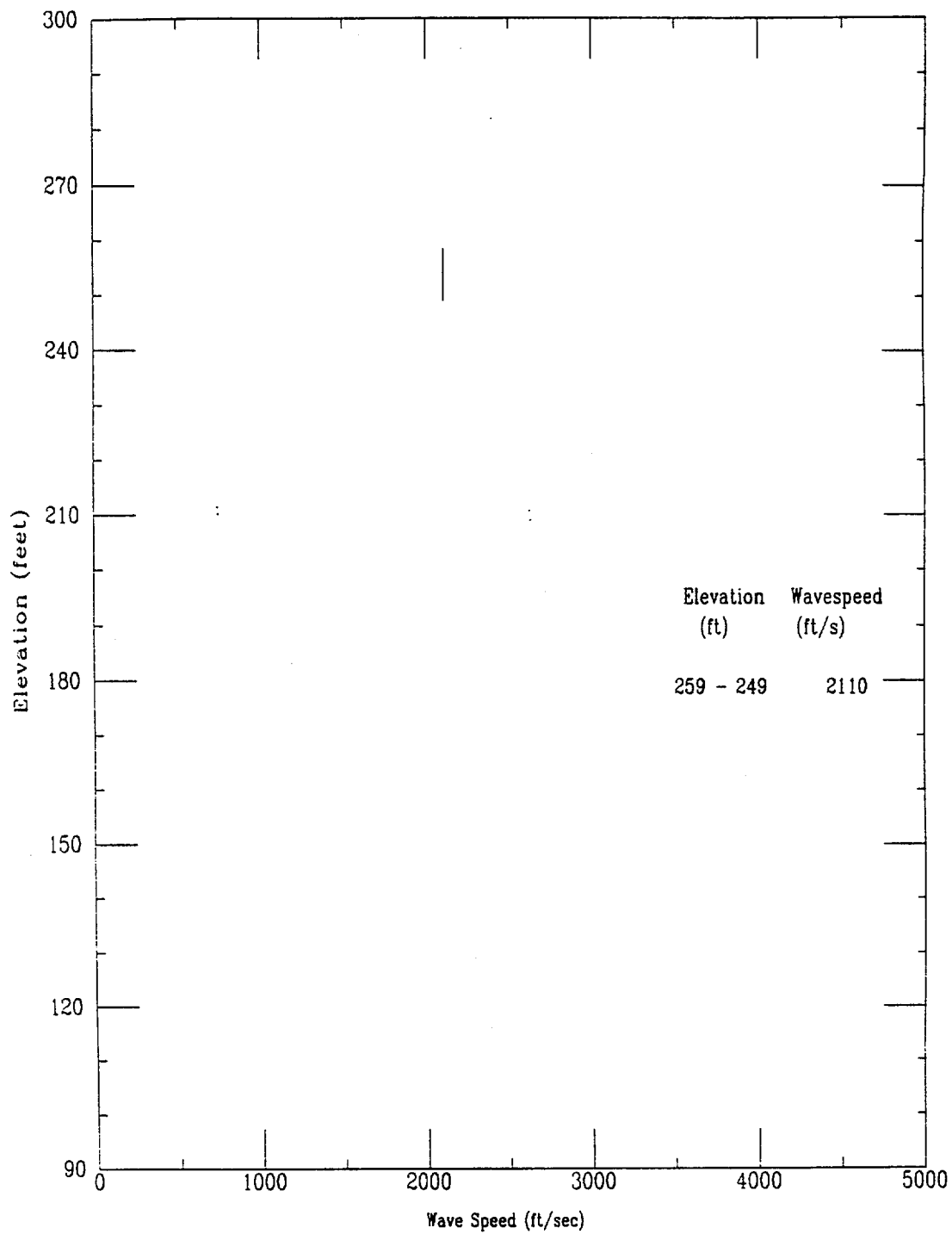
File 431y006S

Shear Wave Time of Peak



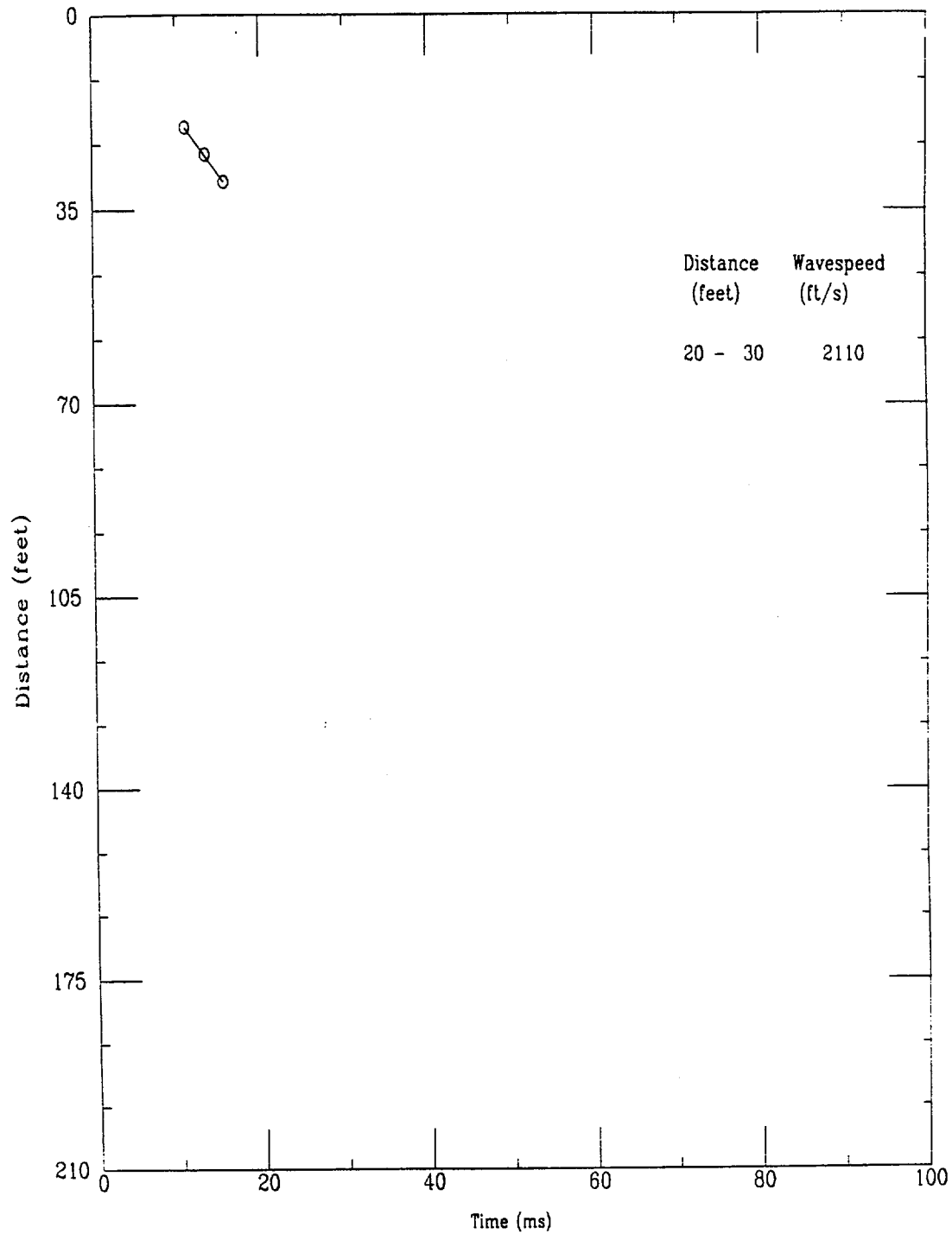
File 431y006S

Compression Wave Speeds



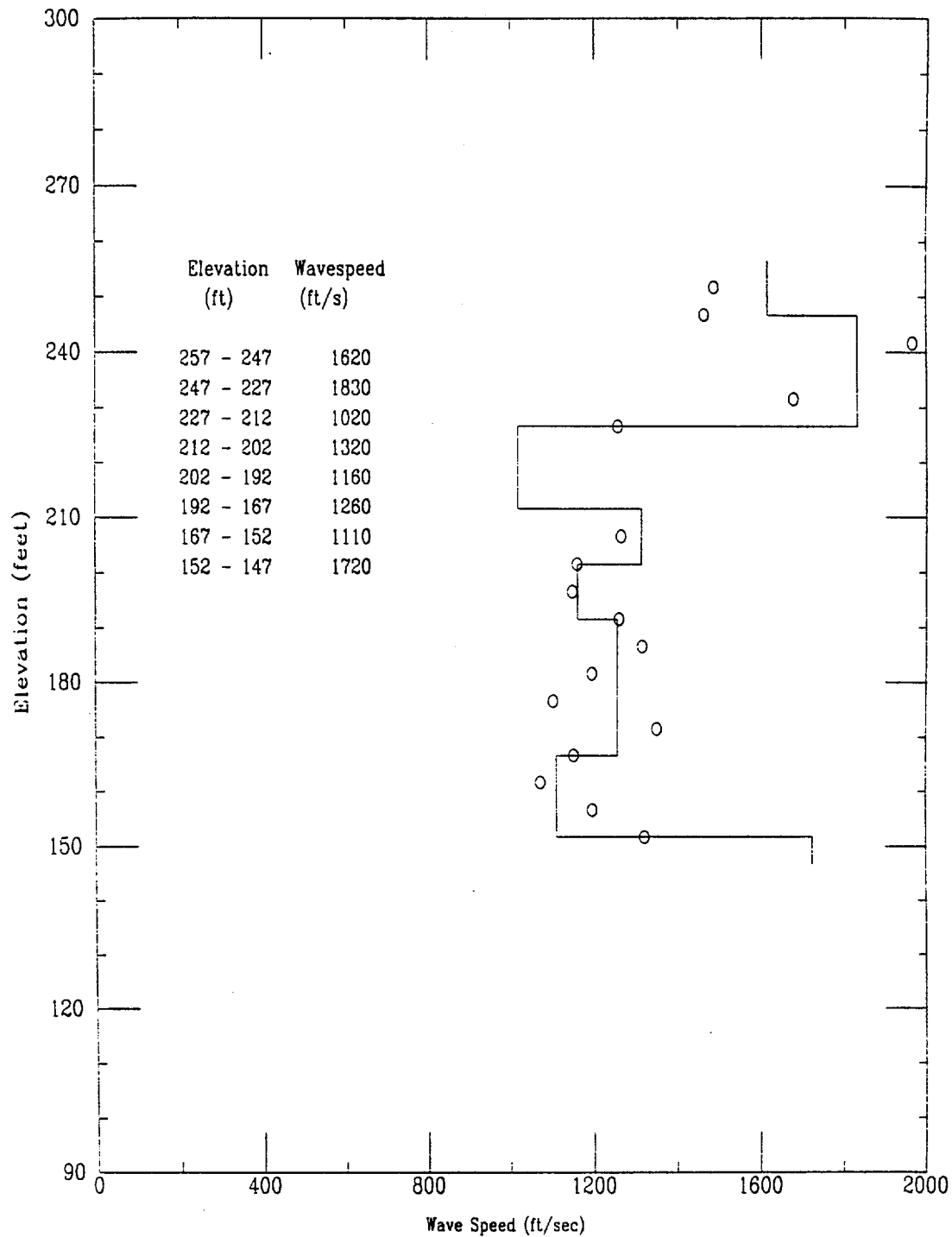
File 431y006S

Compression Wave Time of Peak



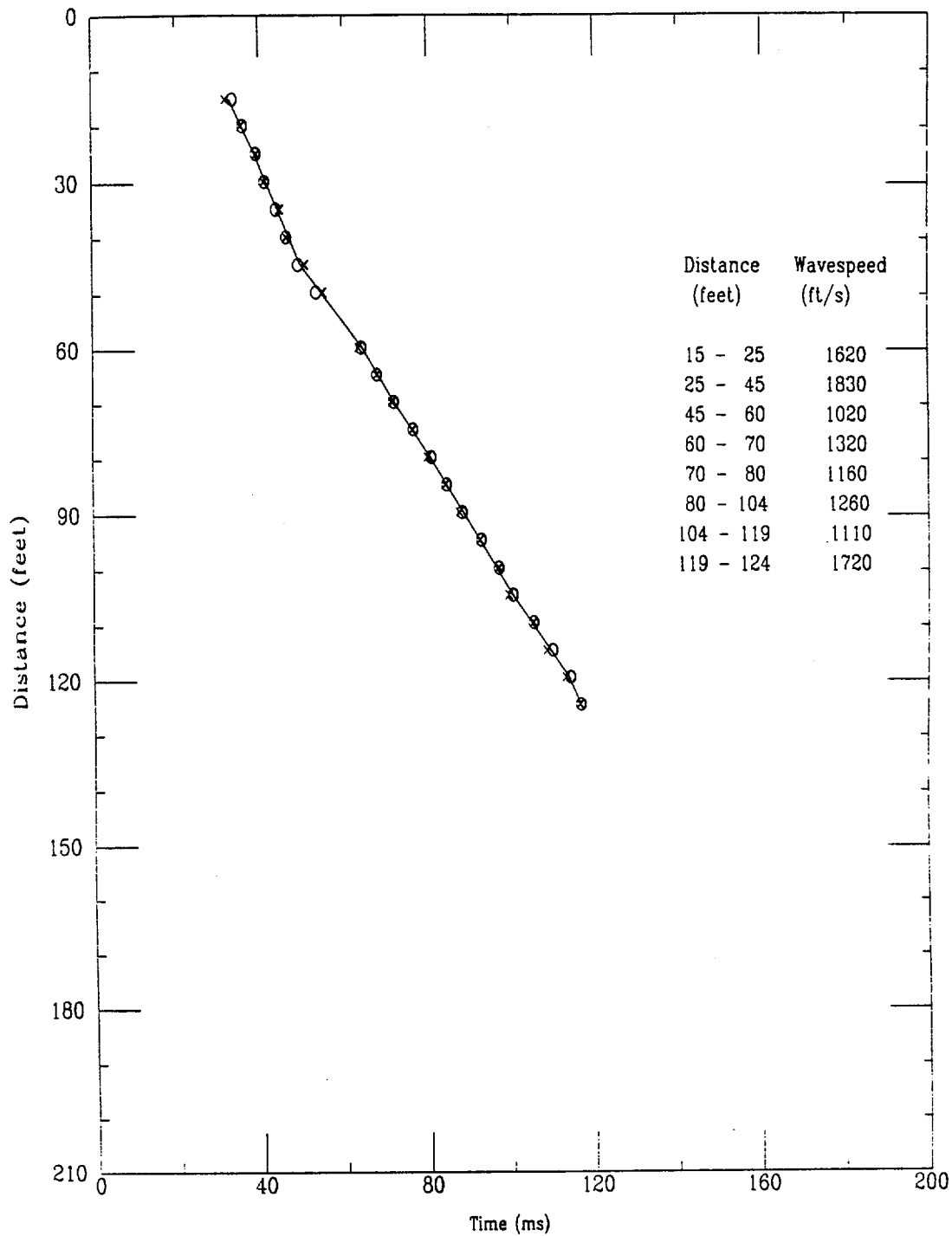
File 431y006S

Shear Wave Speeds



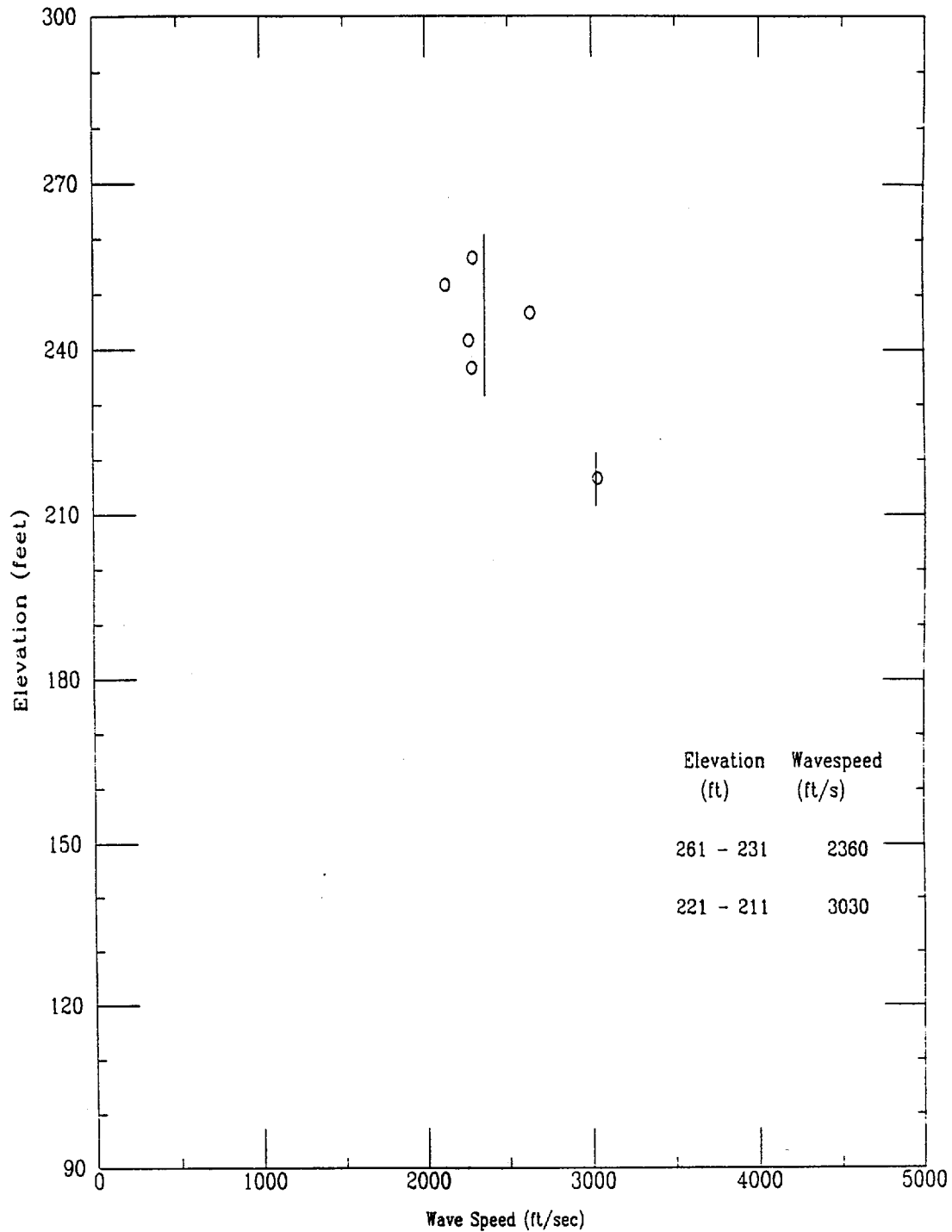
File 401u002S

Shear Wave Time of Peak



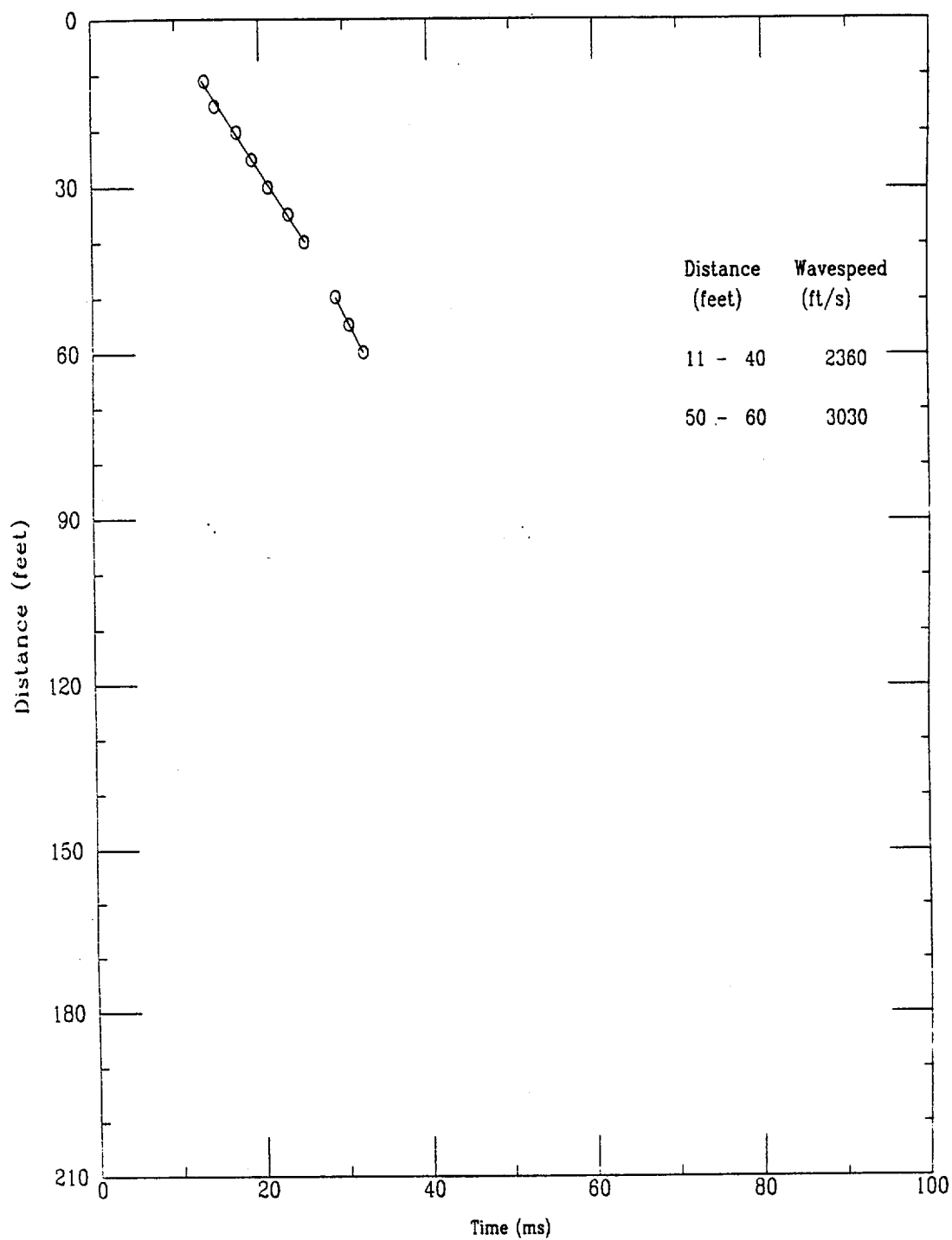
File 401u002S

Compression Wave Speeds



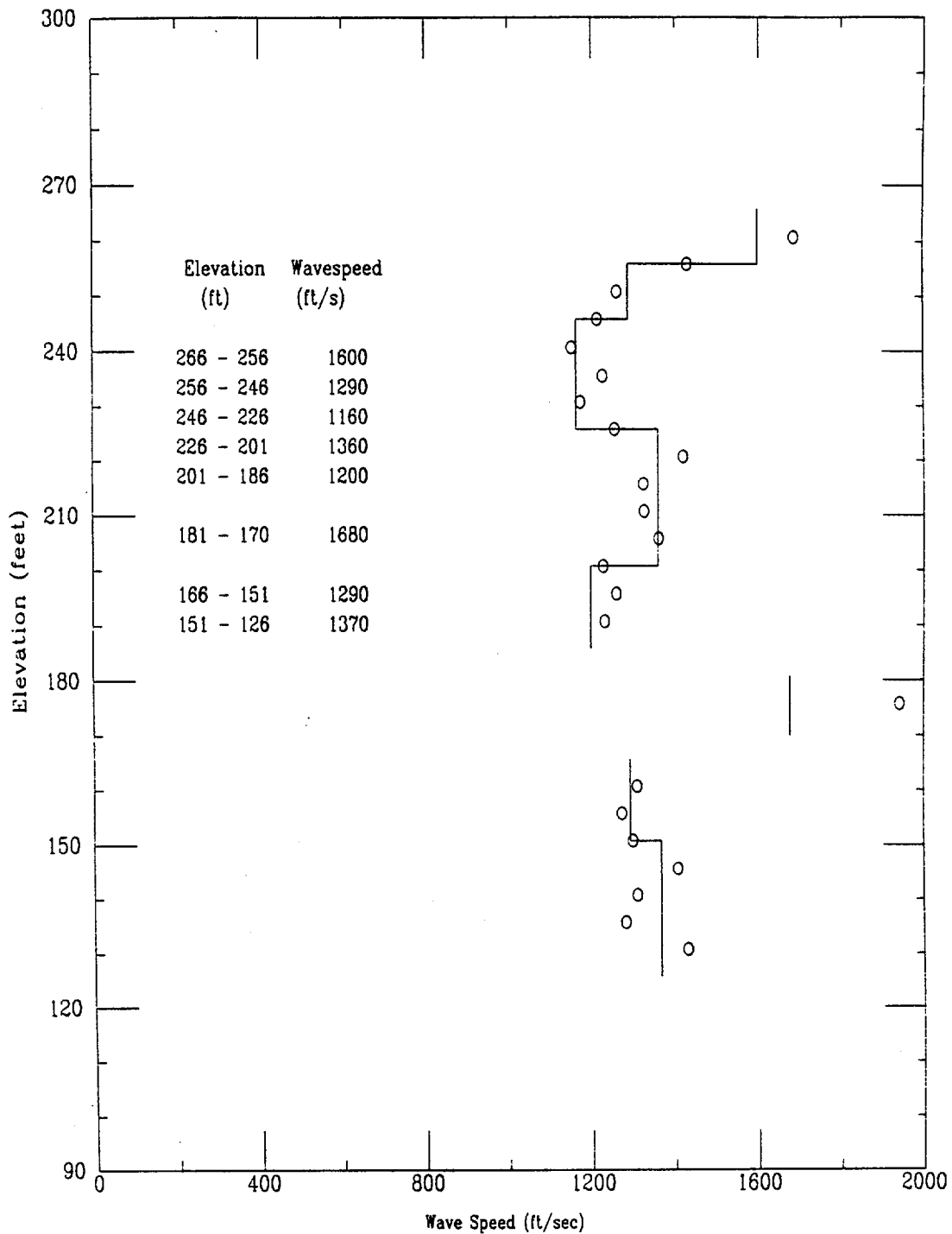
File 401u002S

Compression Wave Time of Peak



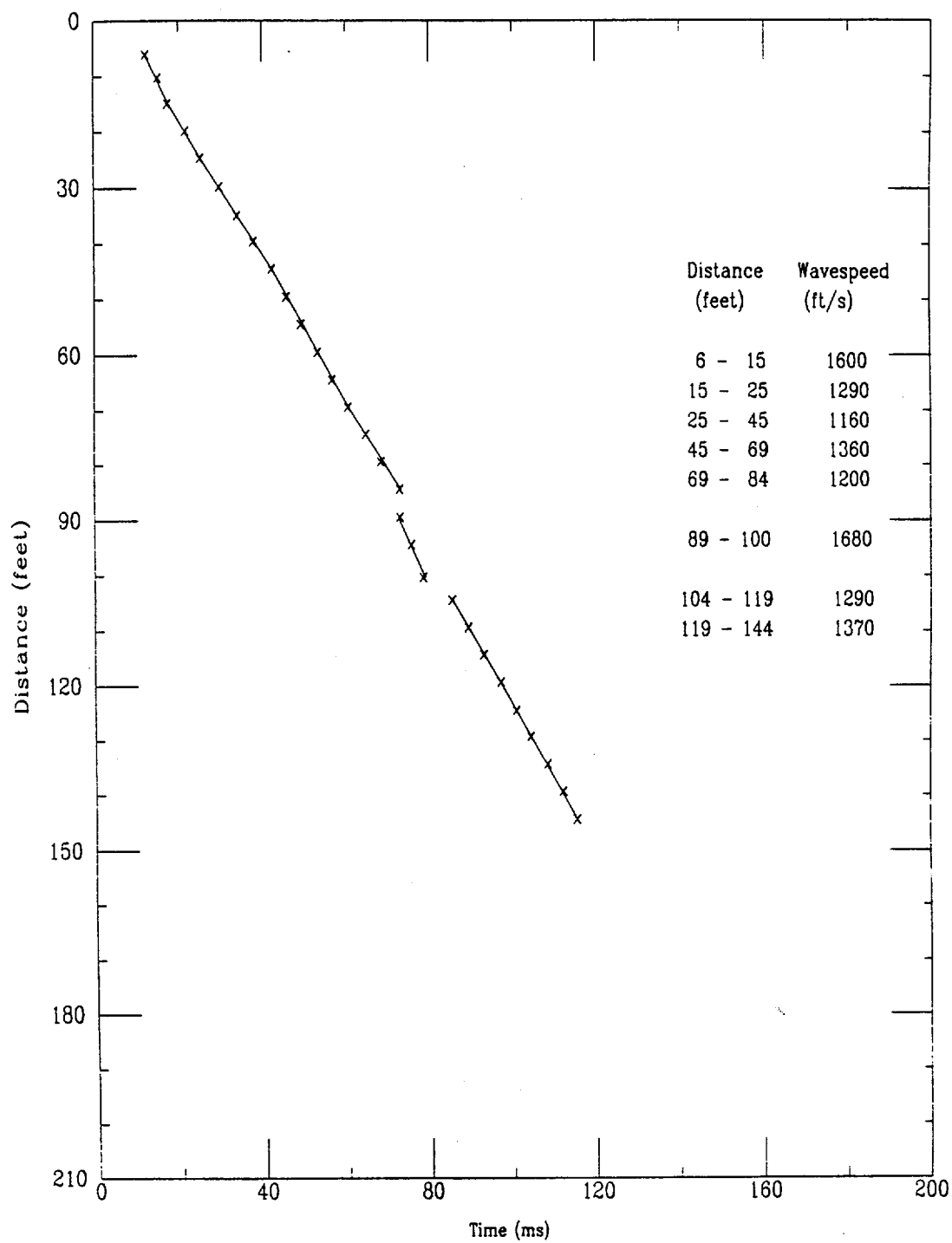
File 401u002S

Shear Wave Speeds



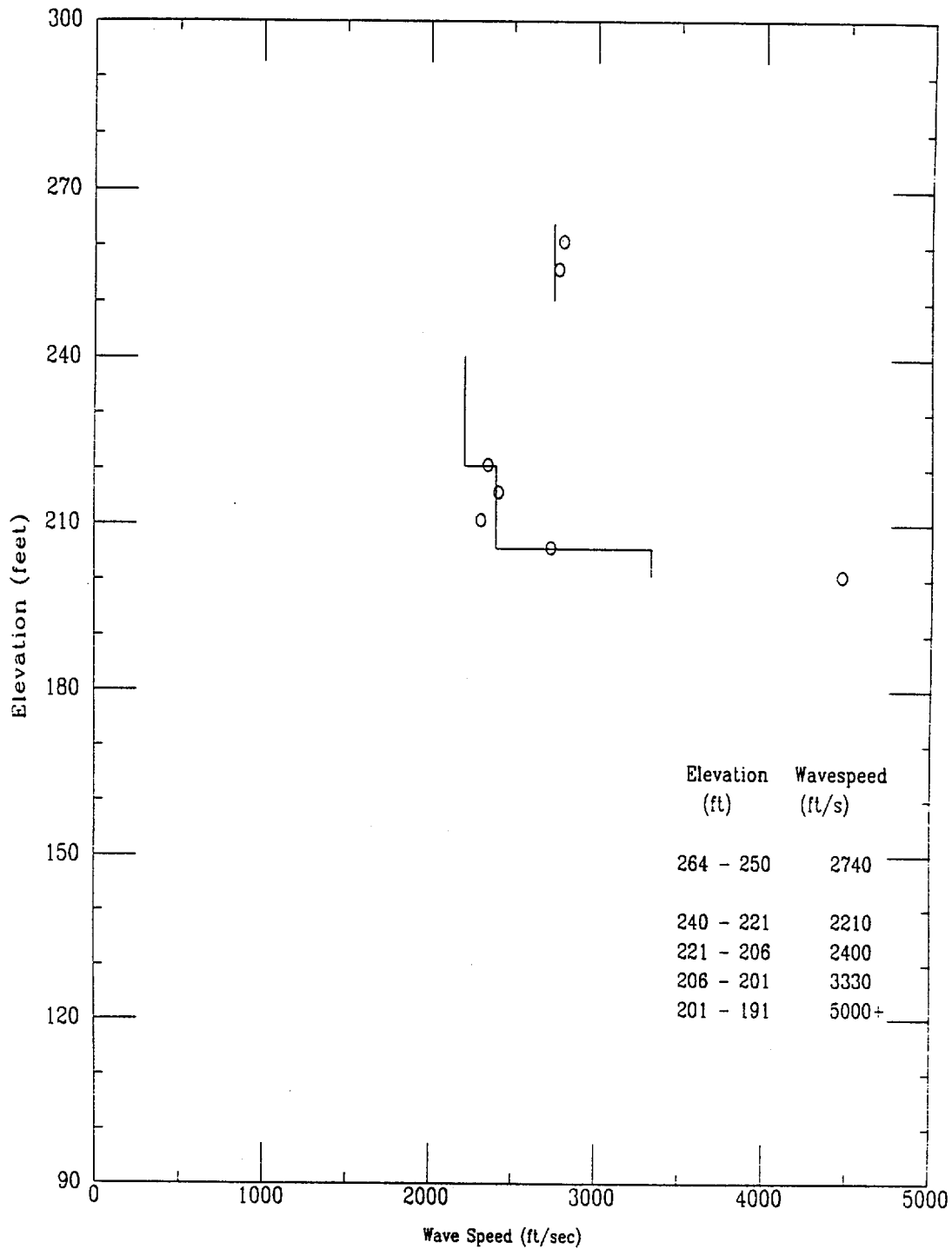
File 407U001S

Shear Wave Time of Peak



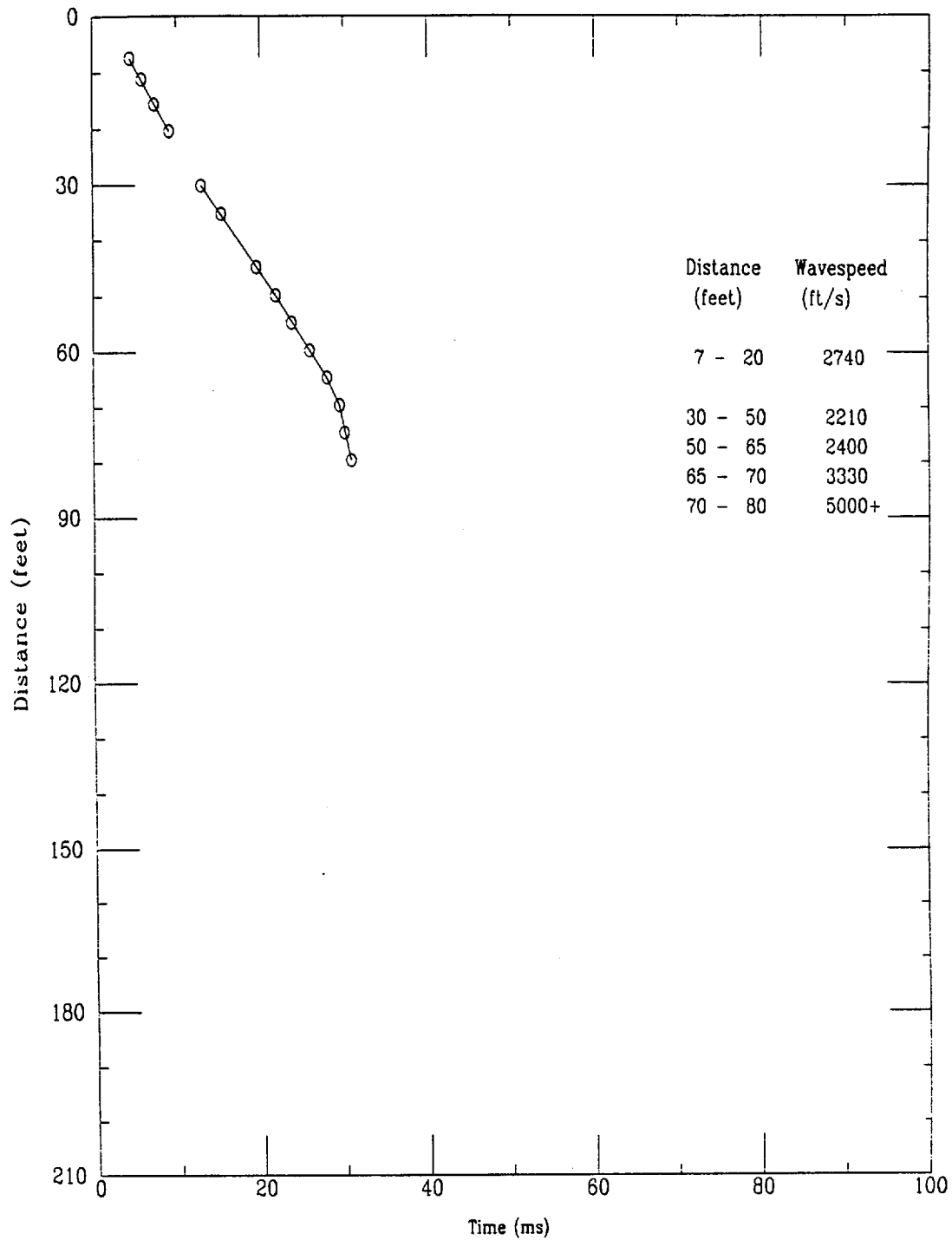
FILE 407U001S

Compression Wave Speeds



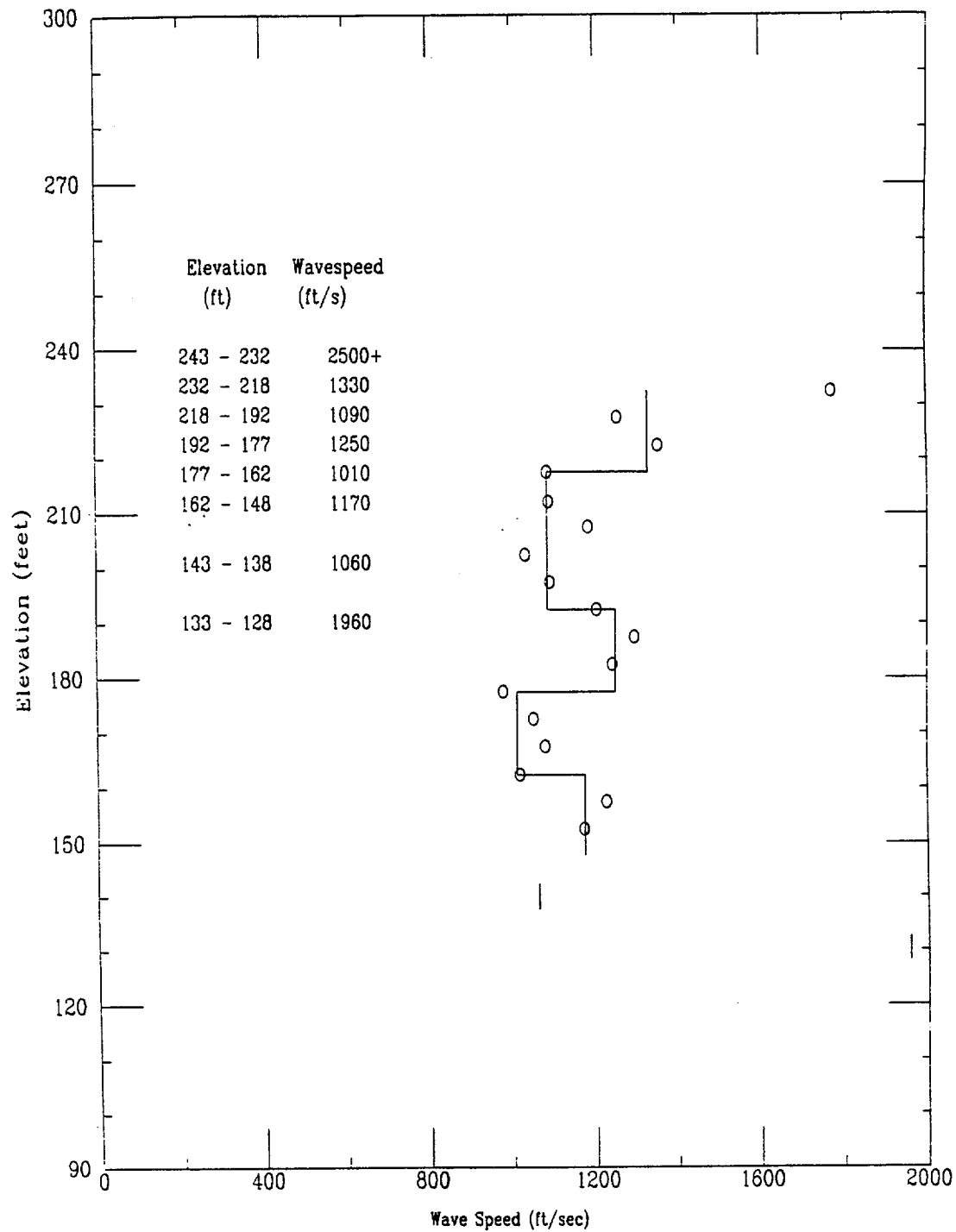
File 407u001S

Compression Wave Time of Peak



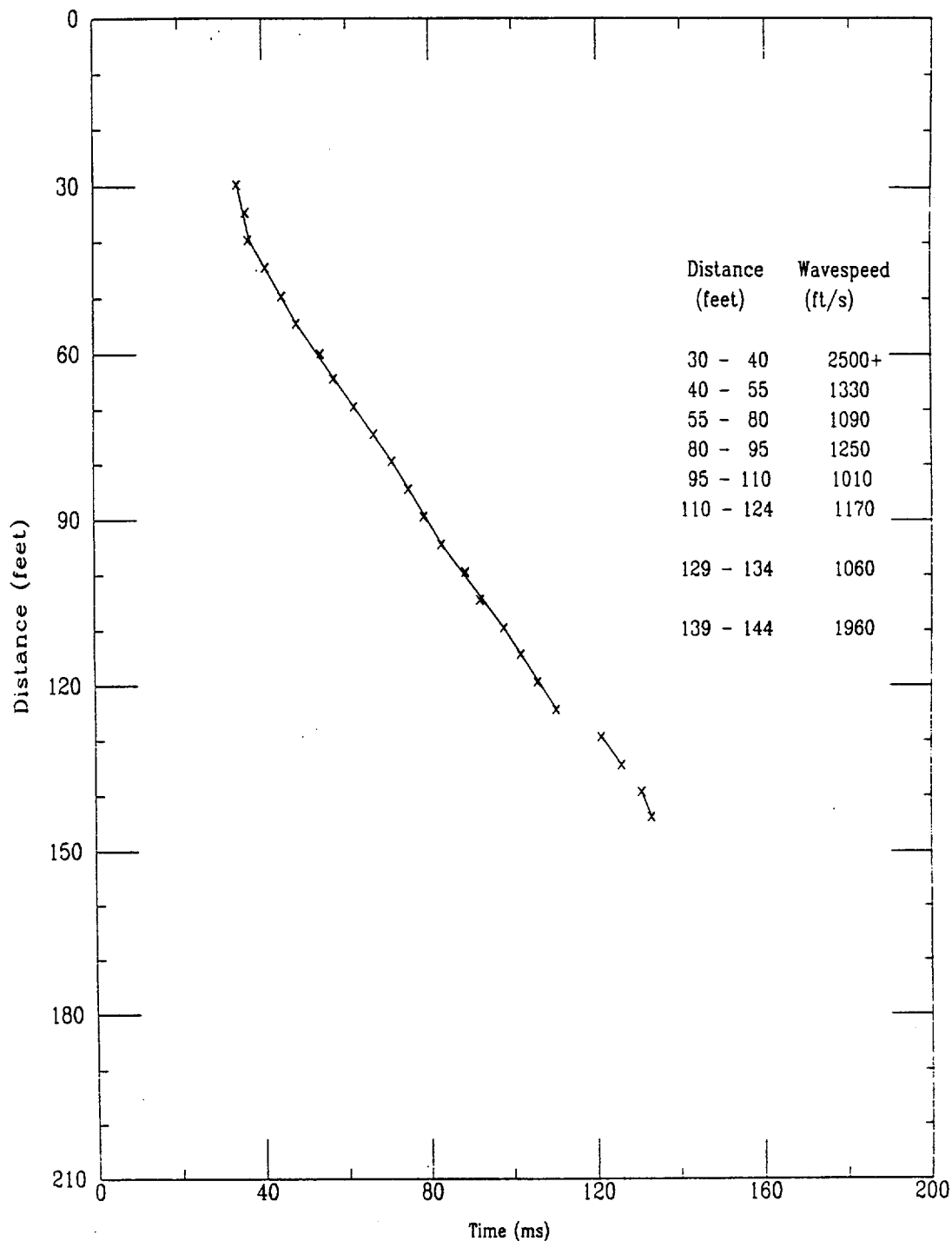
File 407u001S

Shear Wave Speeds

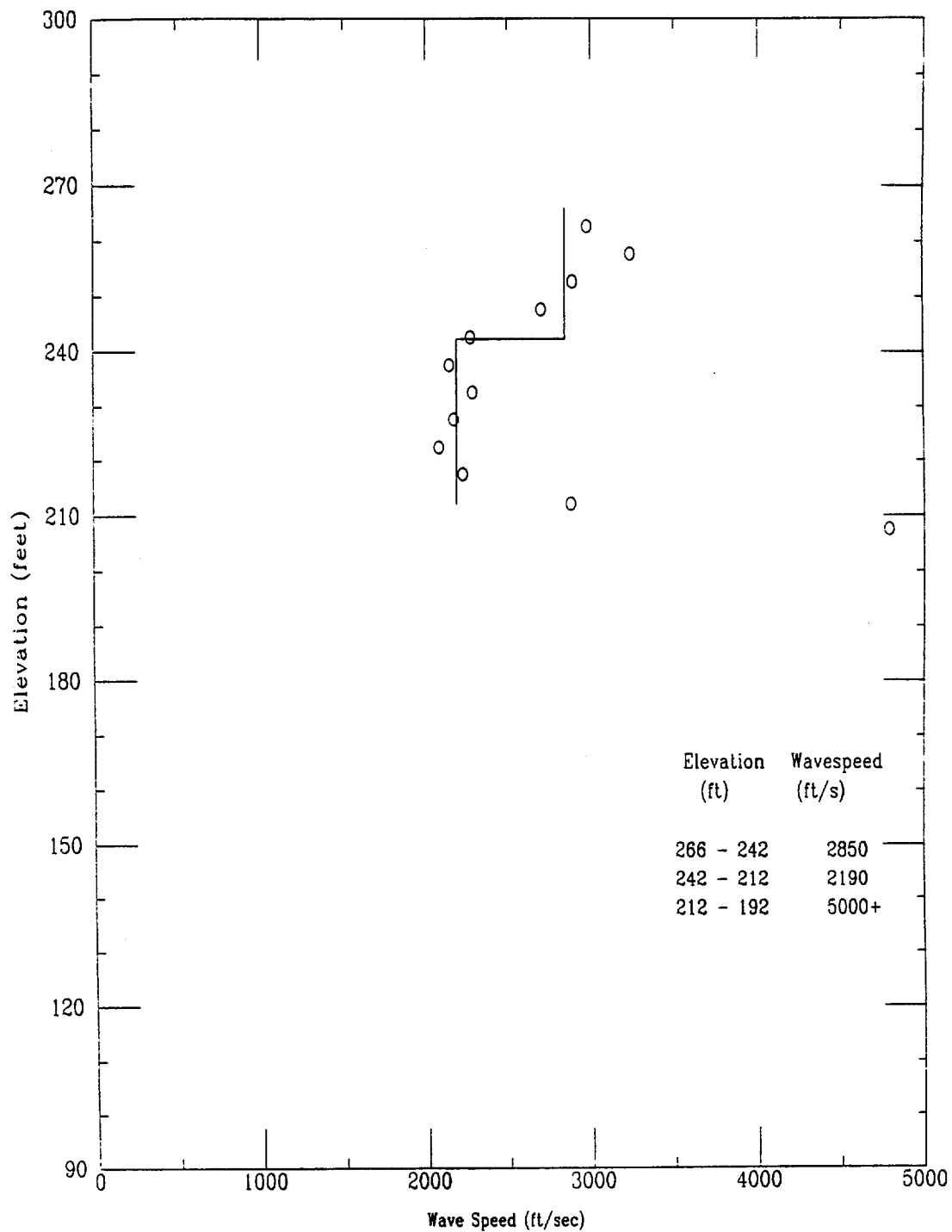


File 403u005S

Shear Wave Time of Peak

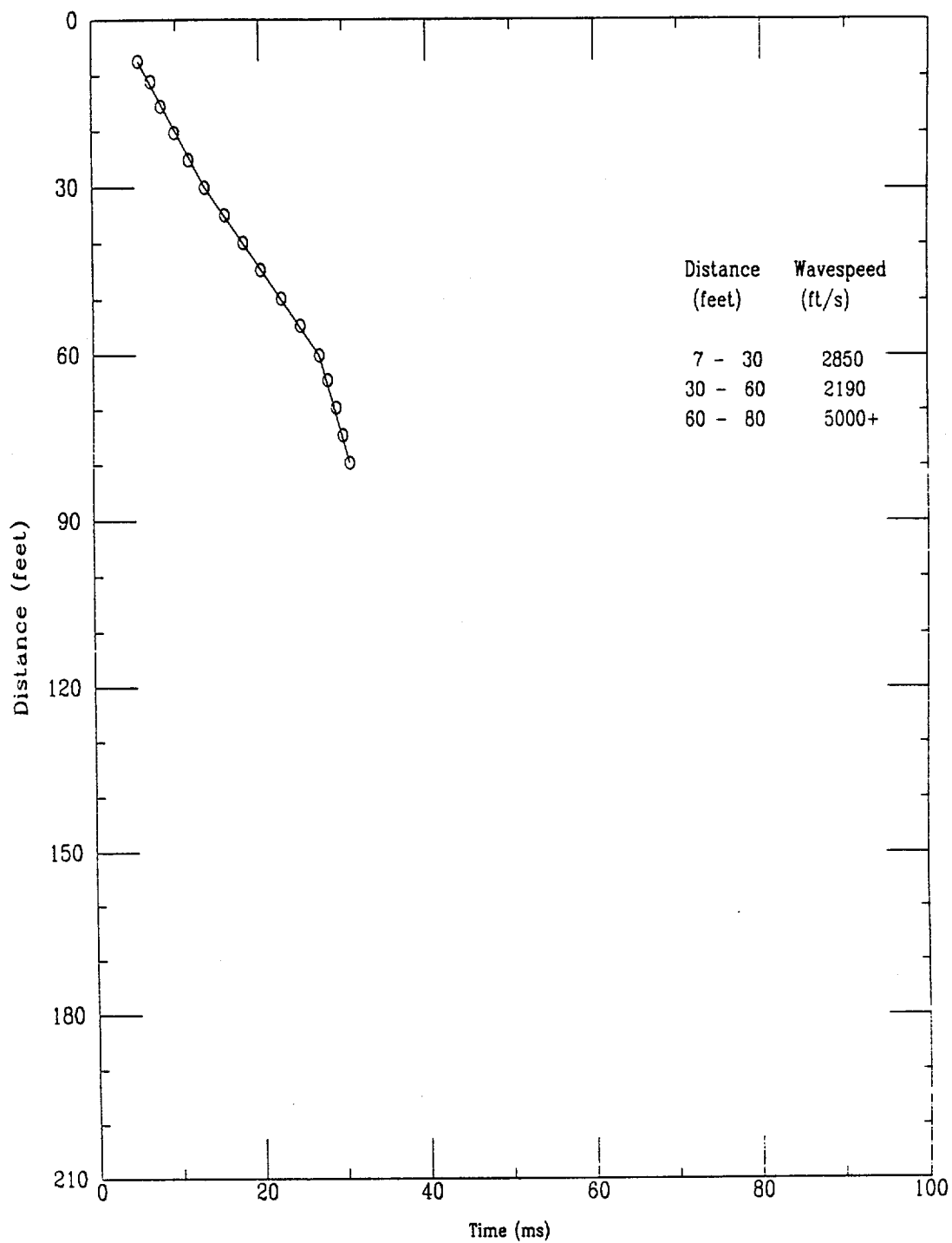


File 403u005S



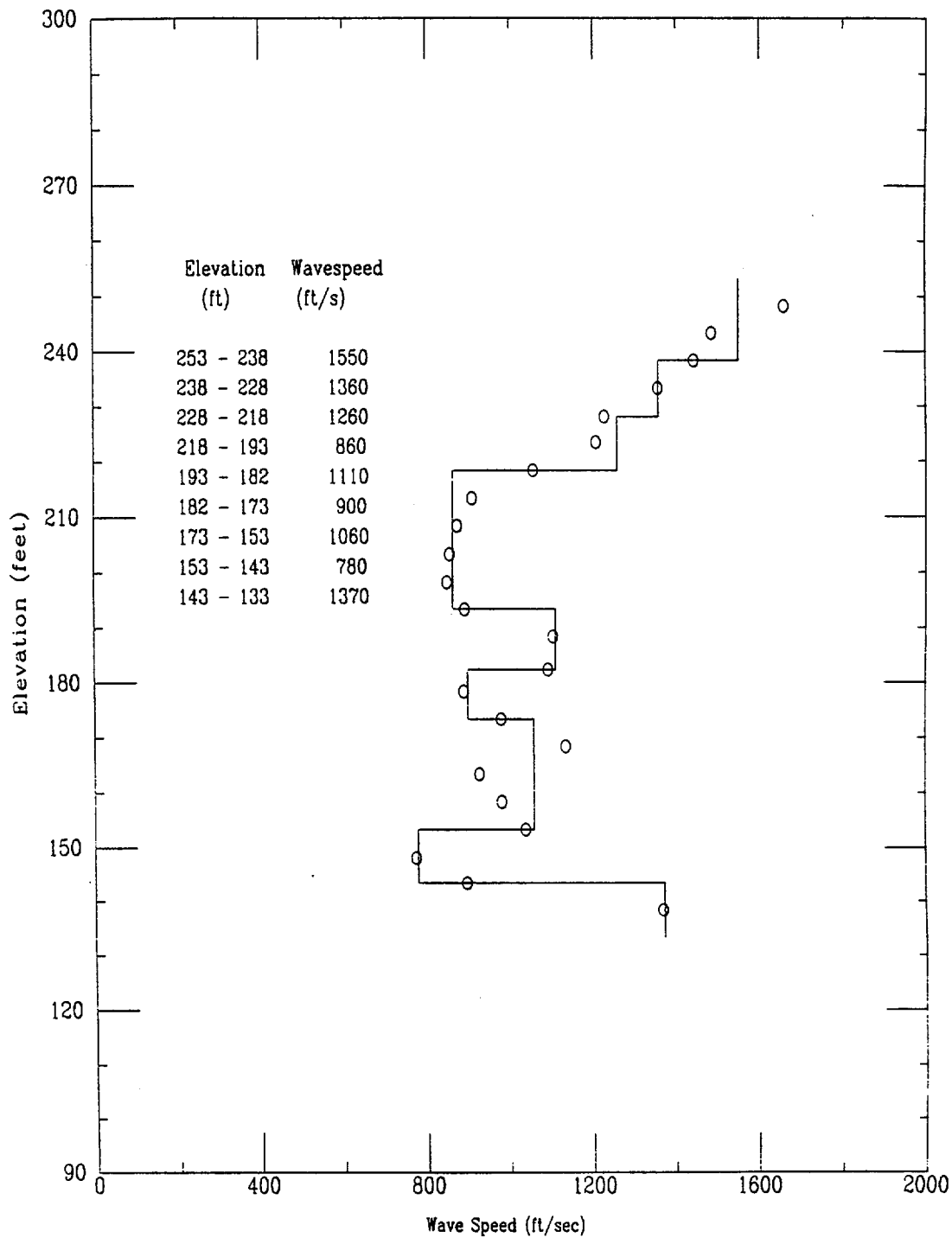
File 403U005S

Compression Wave Time of Peak



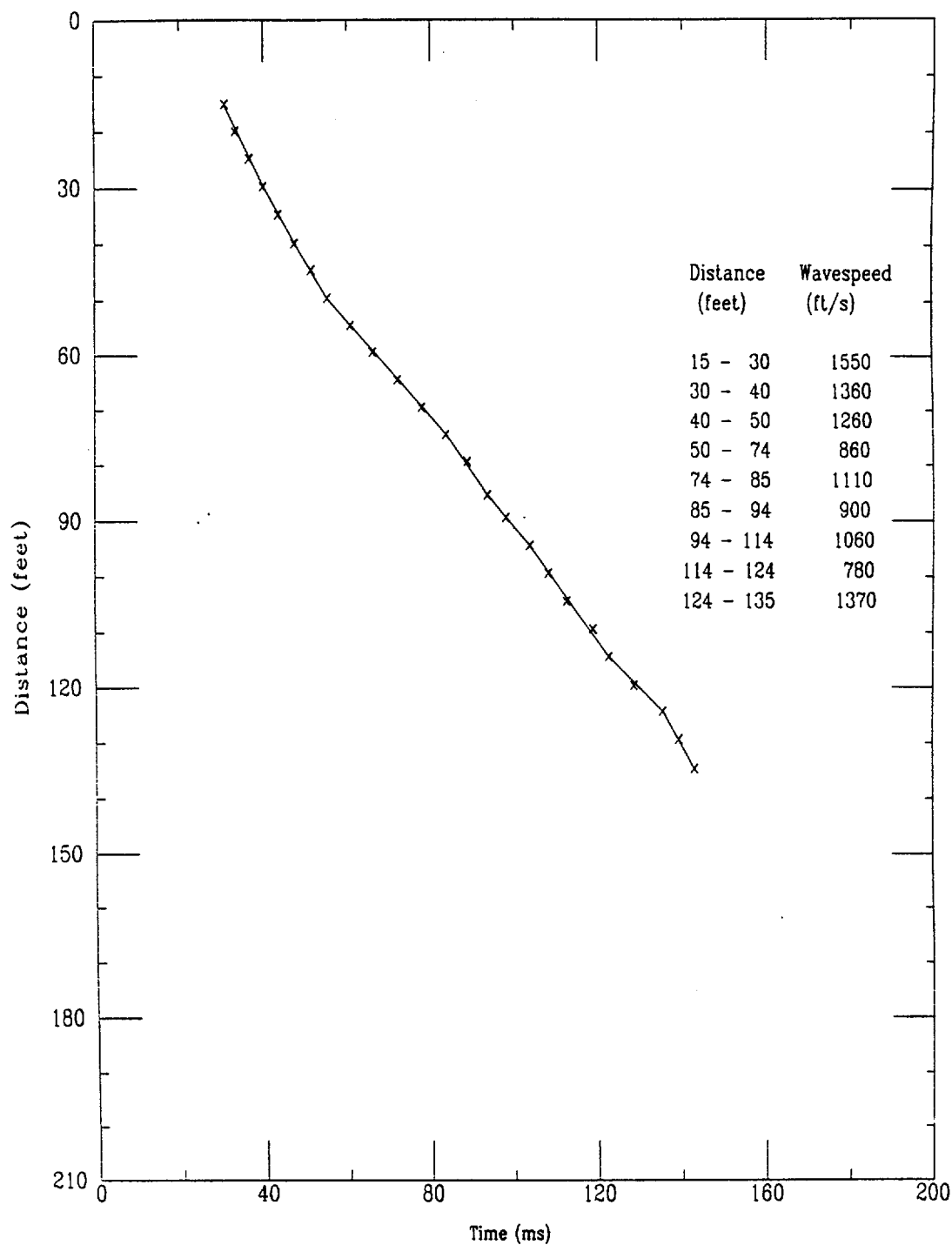
File 403U005S

Shear Wave Speeds

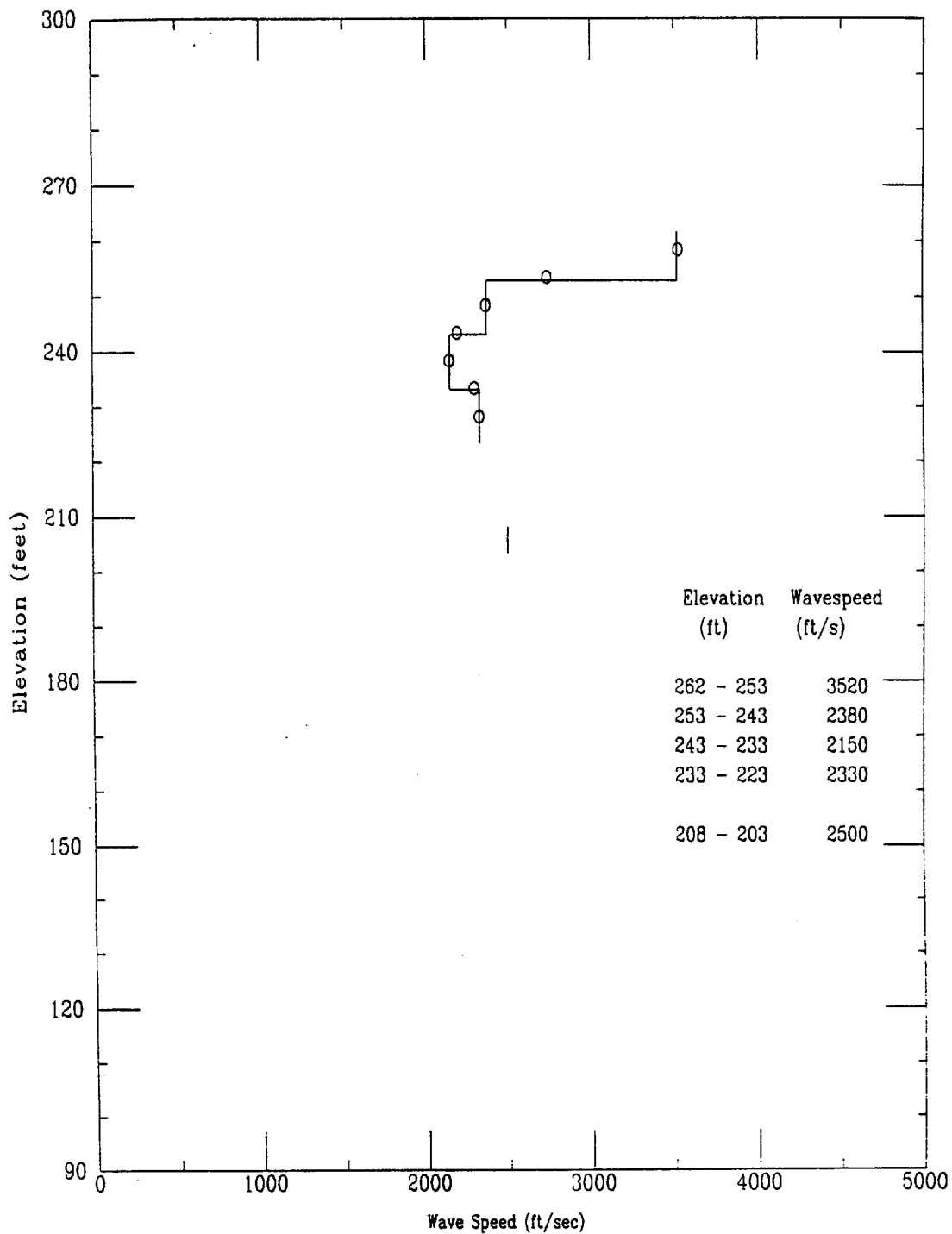


File 405u001S

Shear Wave Time of Peak



File 405u001S



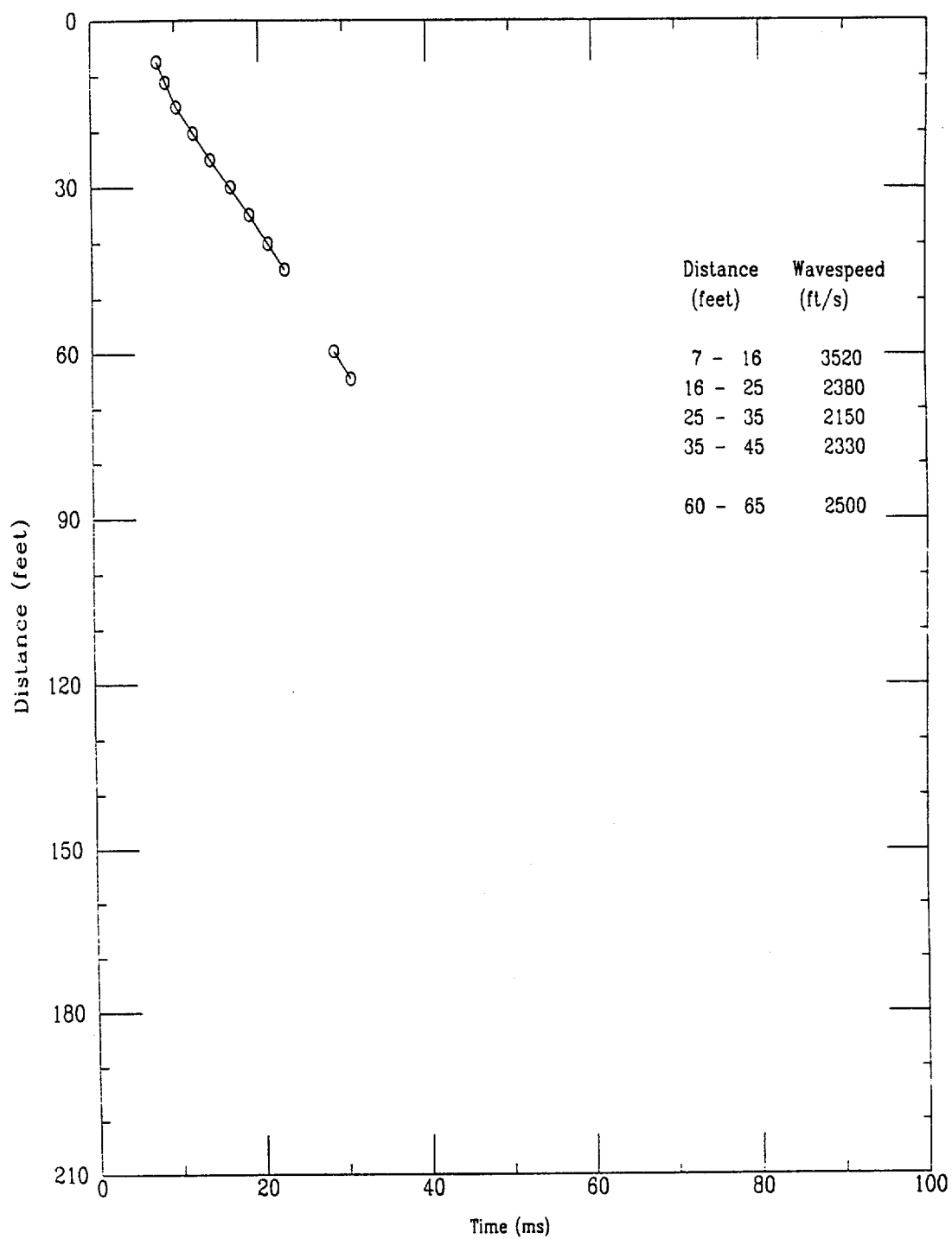
File 405u001S

CPT-37S

APPLIED RESEARCH ASSOCIATES, INC.

06/05/00

Compression Wave Time of Peak



File 405u001S

APPENDIX D

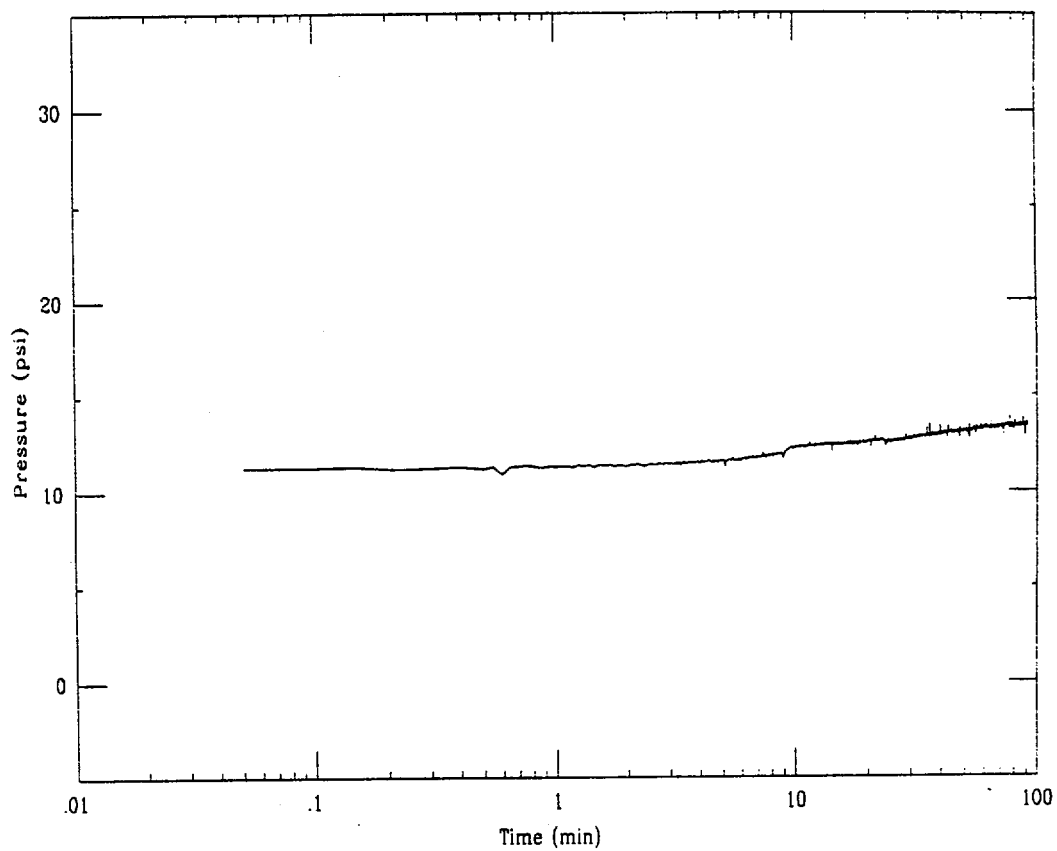
DISSIPATION DATA

CPT-01S

Applied Research Associates

06/09/00

Depth = 104.4 ft Max Pressure = 13.86 psi Pn = 13.47 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-01S

Test Date : 6/9/00

Northing : 80784.9 (ft)

Easting : 55554.0 (ft)

Surface Elevation : 258.2 (ft)

Water Table Elevation : 184.8 (ft)

Probe Diameter : 1.75 (in)

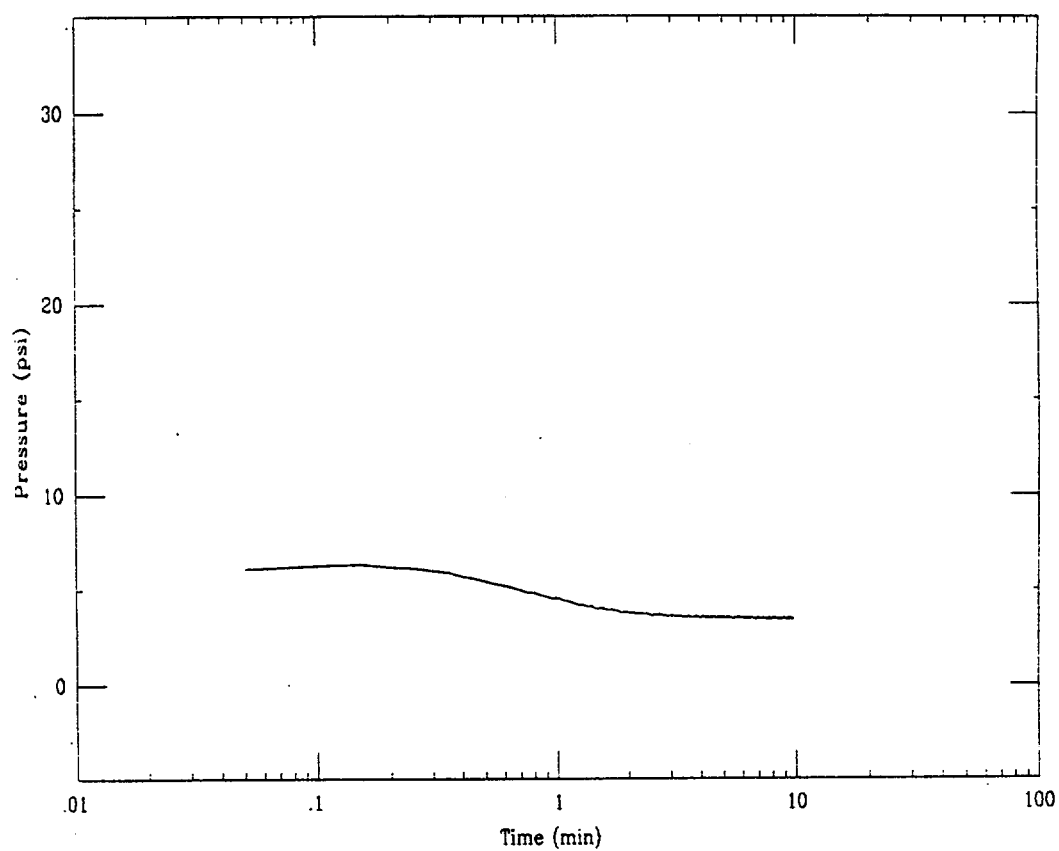
Notes	Test Depth (ft)	Test Elev. (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in ² /s)	Coefficient Lateral Consolidation (cm ² /sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	104.4	153.8	13.4	13.86								

CPT-02R

Applied Research Associates

06/14/00

Depth = 65.3 ft Max Pressure = 6.33 psi Pn = 3.46 psi

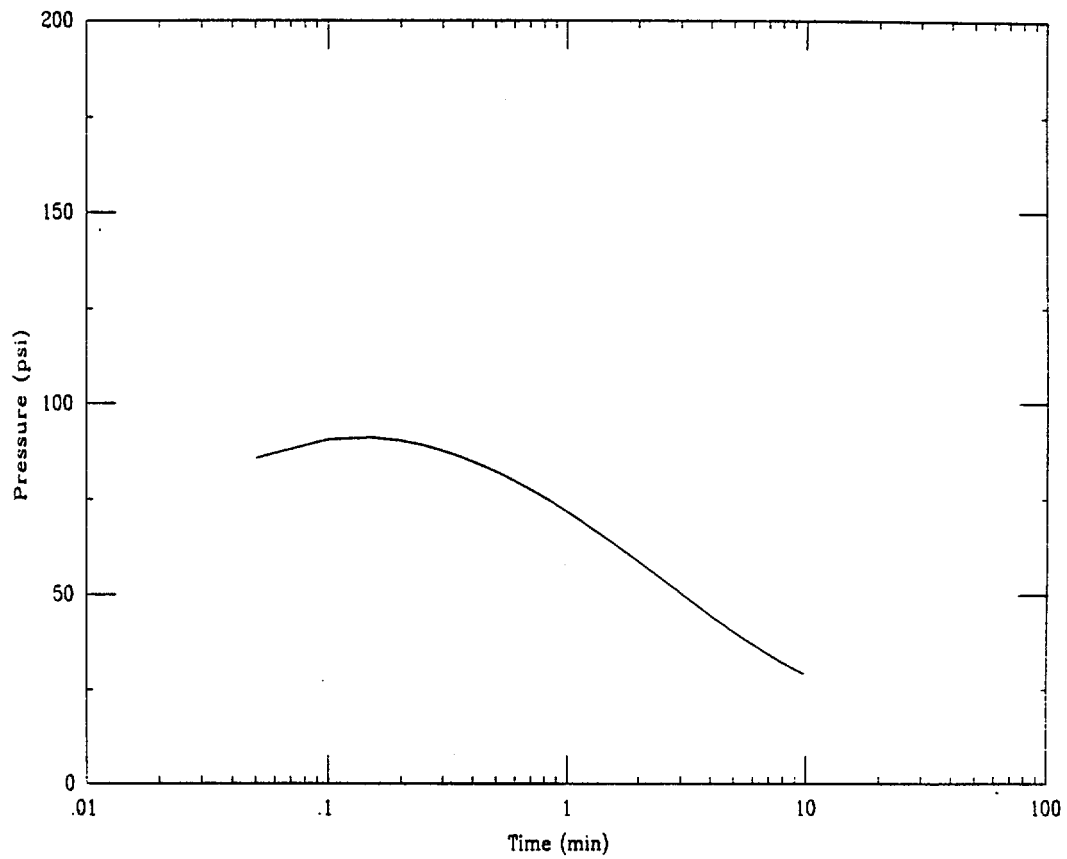


CPT-02R

Applied Research Associates

06/14/00

Depth = 101.6 ft Max Pressure = 91.15 psi Pn = 29.54 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-02R

Test Date : 6/14/00

Northing : 80635.0 (ft)

Easting : 55616.4 (ft)

Surface Elevation : 257.8 (ft)

Water Table Elevation : 200.5 (ft)

Probe Diameter : 1.75 (in)

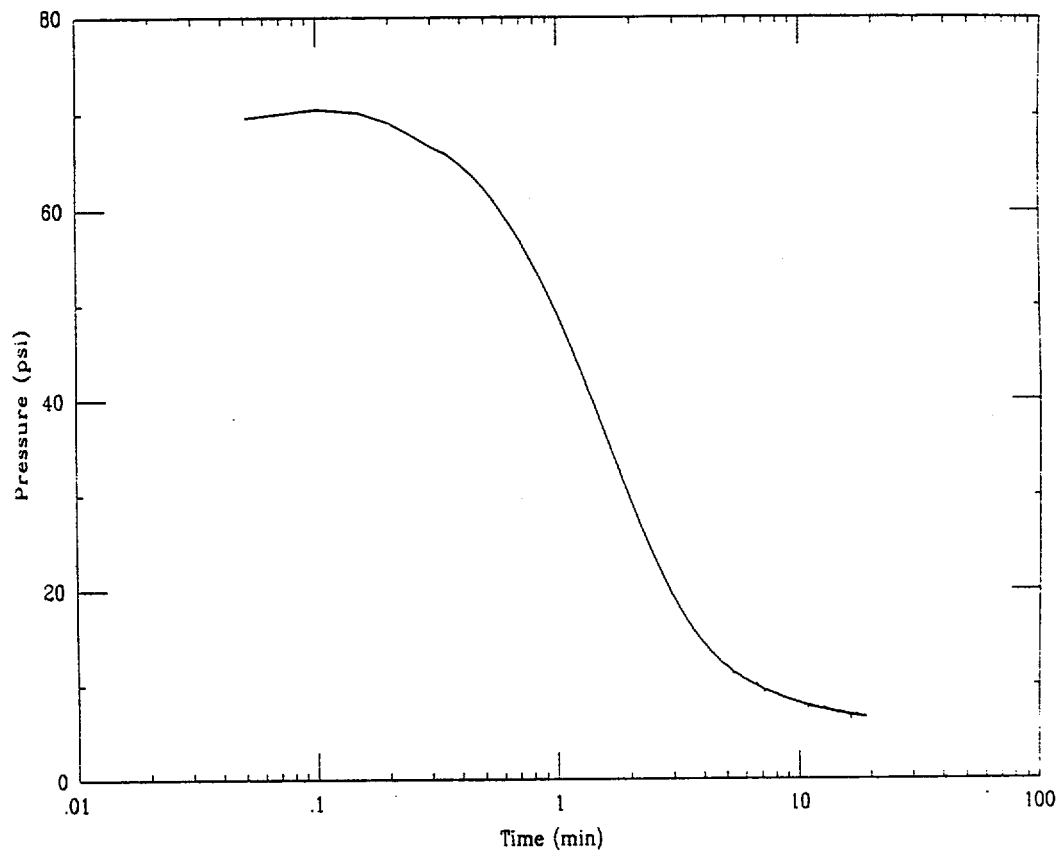
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	65.3	192.5	3.5	6.33	4.90	287.5	3.0	862.50	0.70	1.00E-01	6.47E-01	1.07E-05
	101.6	156.2	19.2	91.15	55.17	270.8	3.0	812.50	2.35	2.99E-02	1.93E-01	3.37E-06

CPT-03S

Applied Research Associates

06/08/00

Depth = 64.1 ft Max Pressure = 70.55 psi Pn = 6.61 psi

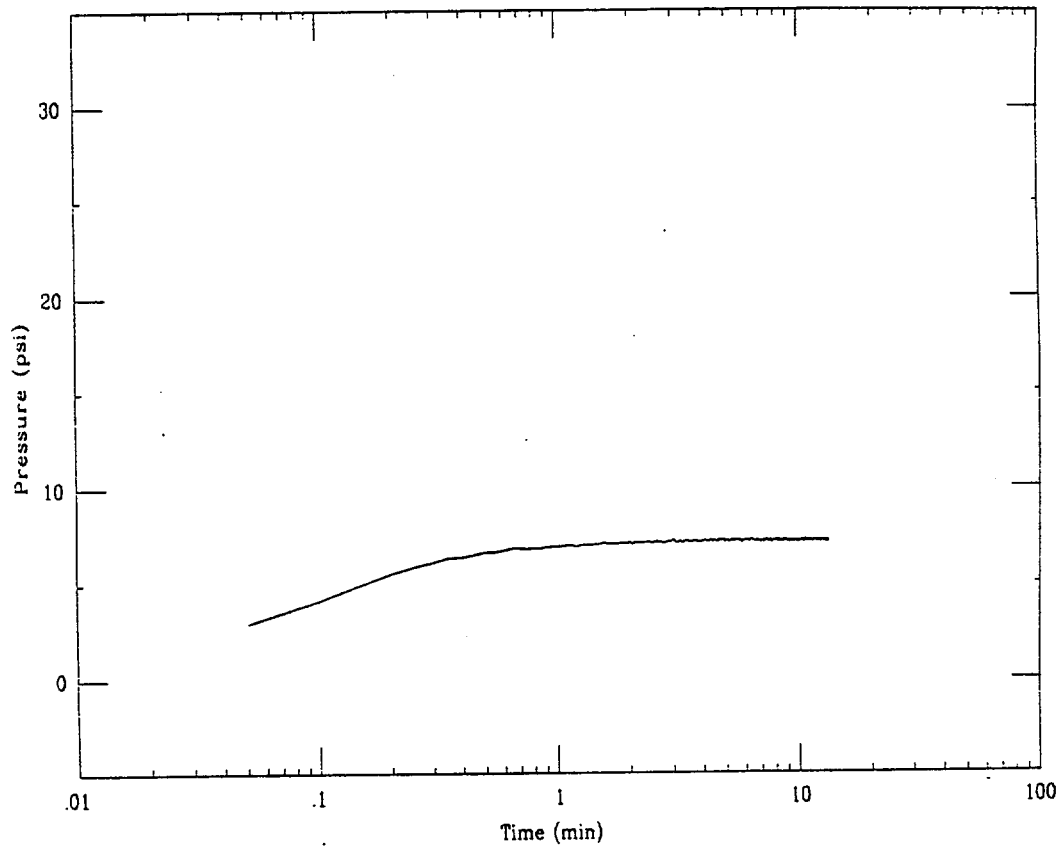


CPT-03S

Applied Research Associates

06/08/00

Depth = 74.1 ft Max Pressure = 7.27 psi Pn = 7.20 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-03S

Test Date : 6/8/00

Northing : 80551.4 (ft)

Easting : 55700.8 (ft)

Surface Elevation : 253.2 (ft)

Water Table Elevation : 195.4 (ft)

Probe Diameter : 1.75 (in)

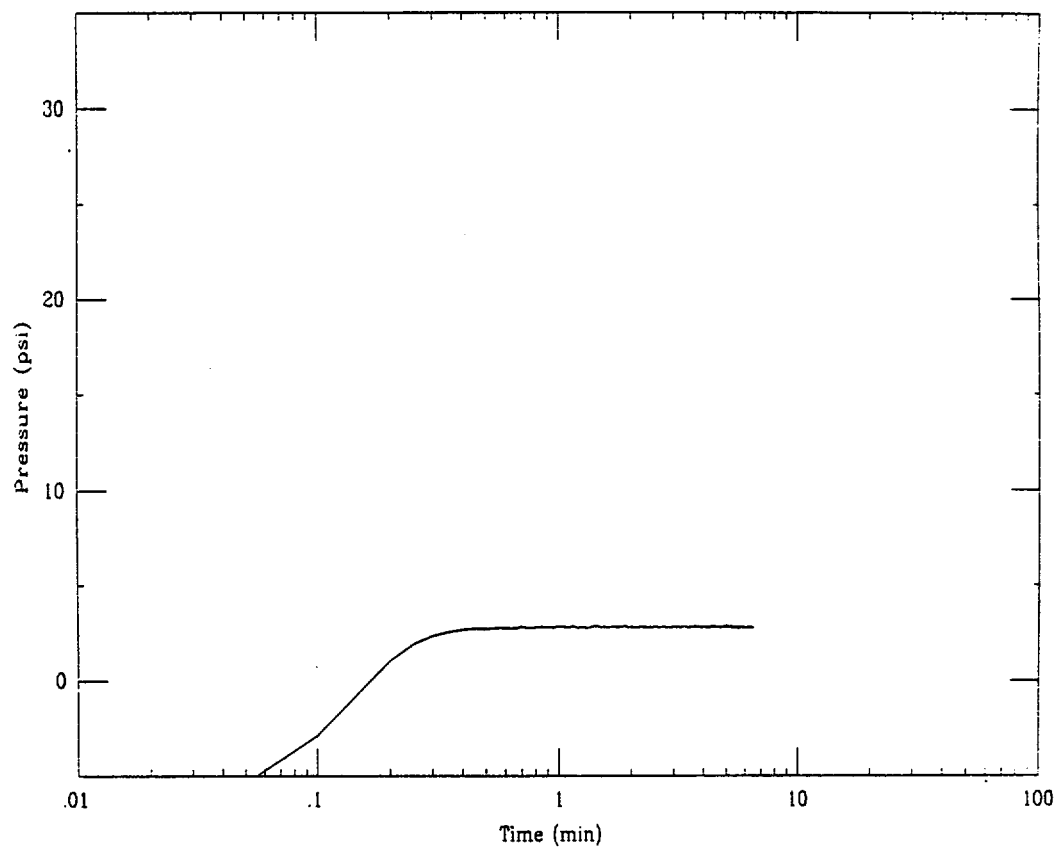
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	64.1	189.1	2.7	70.55	36.64	308.3	2.5	770.83	1.60	4.39E-02	2.83E-01	5.22E-06
Soil Dilation	74.1	179.1	7.1	7.27								

CPT-04R

Applied Research Associates

06/17/00

Depth = 80.0 ft Max Pressure = 2.88 psi Pn = 2.76 psi

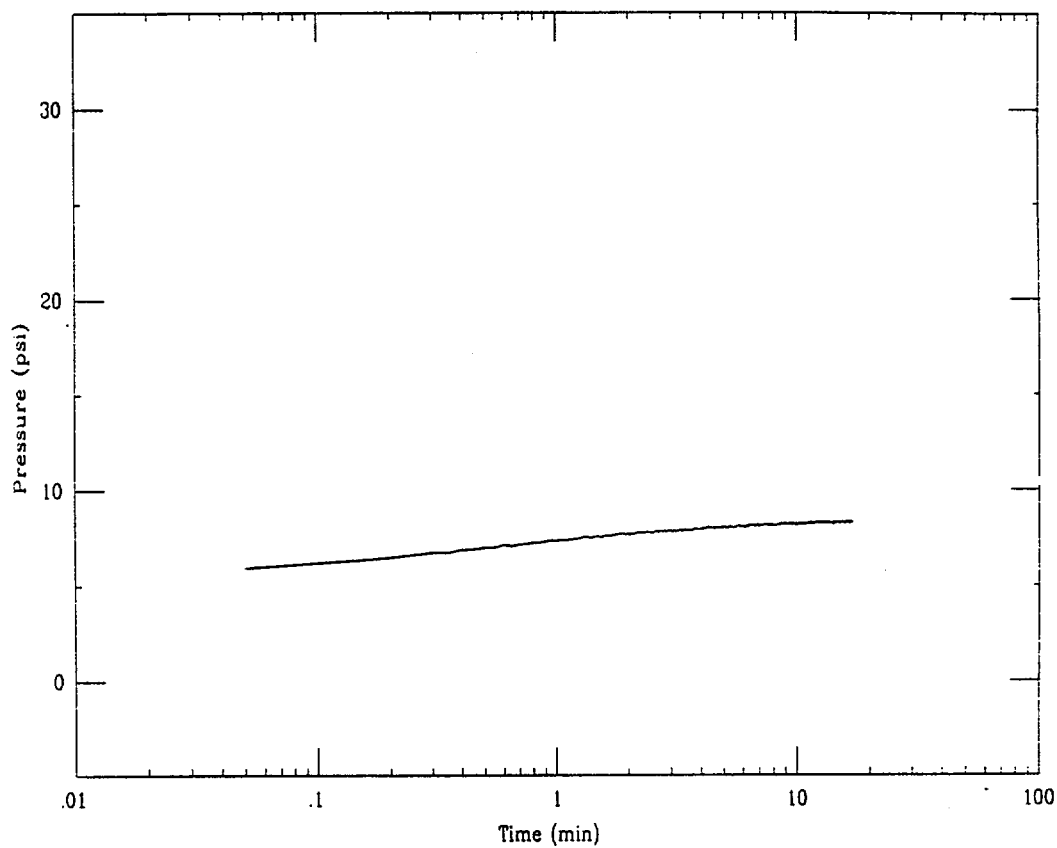


CPT-04R

Applied Research Associates

06/17/00

Depth = 135.5 ft Max Pressure = 8.38 psi Pn = 8.34 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-04R

Test Date : 6/17/00

Northing : 80465.4 (ft)

Easting : 55320.8 (ft)

Surface Elevation : 272.6 (ft)

Water Table Elevation : 199.0 (ft)

Probe Diameter : 1.75 (in)

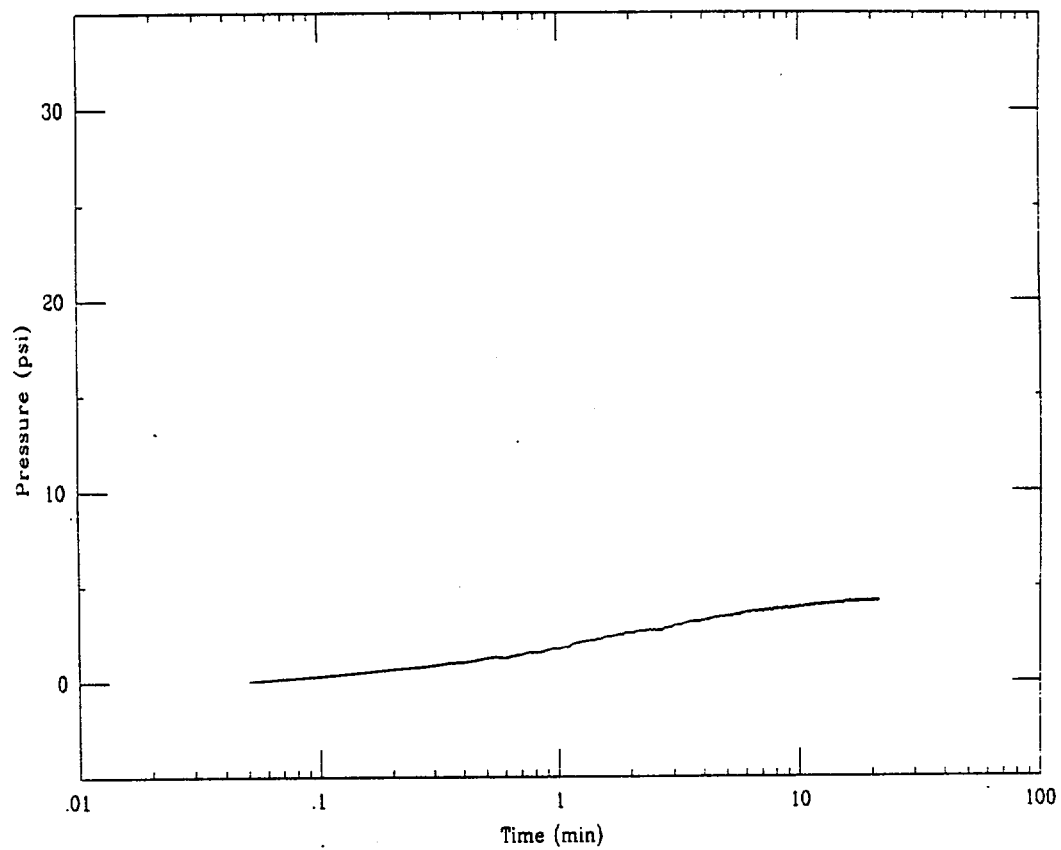
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	80.0	192.6	2.8	2.88								
Soil Dilation	135.5	137.1	26.8	8.38								

CPT-05S

Applied Research Associates

06/08/00

Depth = 71.7 ft Max Pressure = 4.29 psi Pn = 4.29 psi

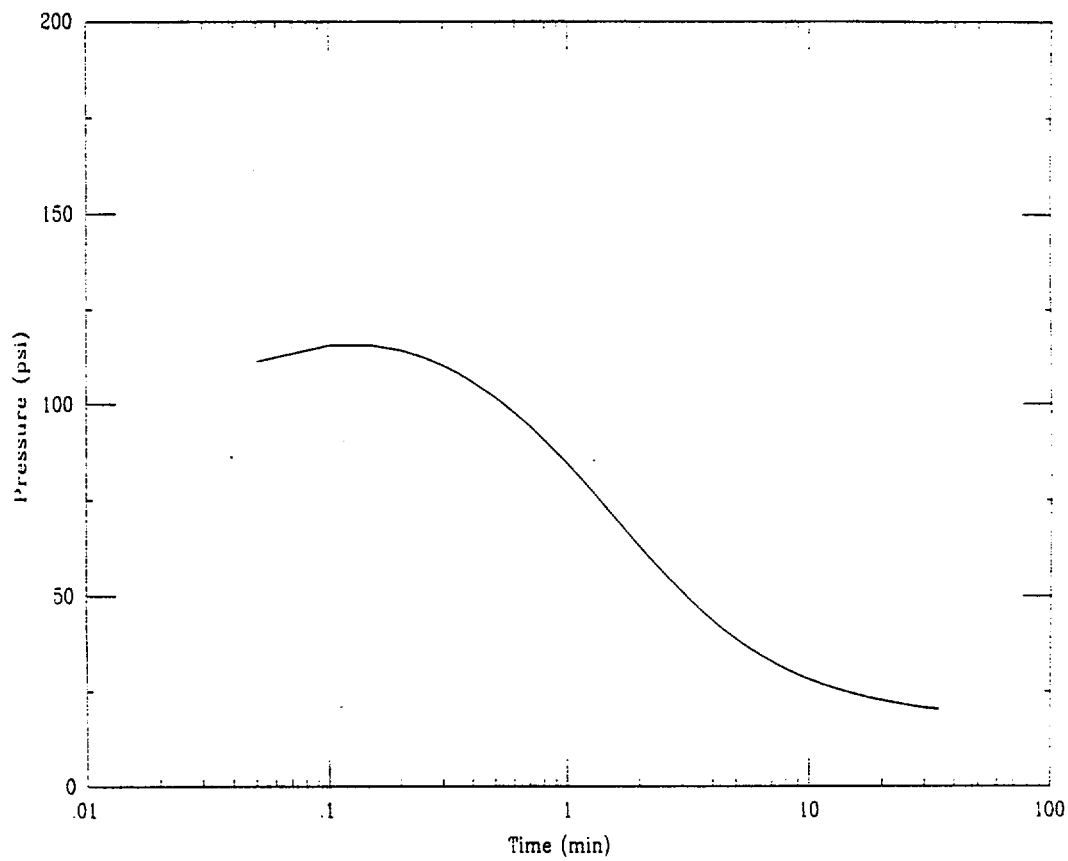


CPT-05S

Applied Research Associates

06/08/00

Depth = 108.5 ft Max Pressure = 115.46 psi Pn = 20.25 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-05S

Test Date : 6/8/00

Northing : 80499.7 (ft)

Easting : 55478.5 (ft)

Surface Elevation : 264.5 (ft)

Water Table Elevation : 202.6 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	71.7	192.8	4.2	4.29								
	108.5	156.0	20.2	115.46	67.83	462.5	2.0	925.00	1.70	4.13E-02	2.66E-01	4.09E-06

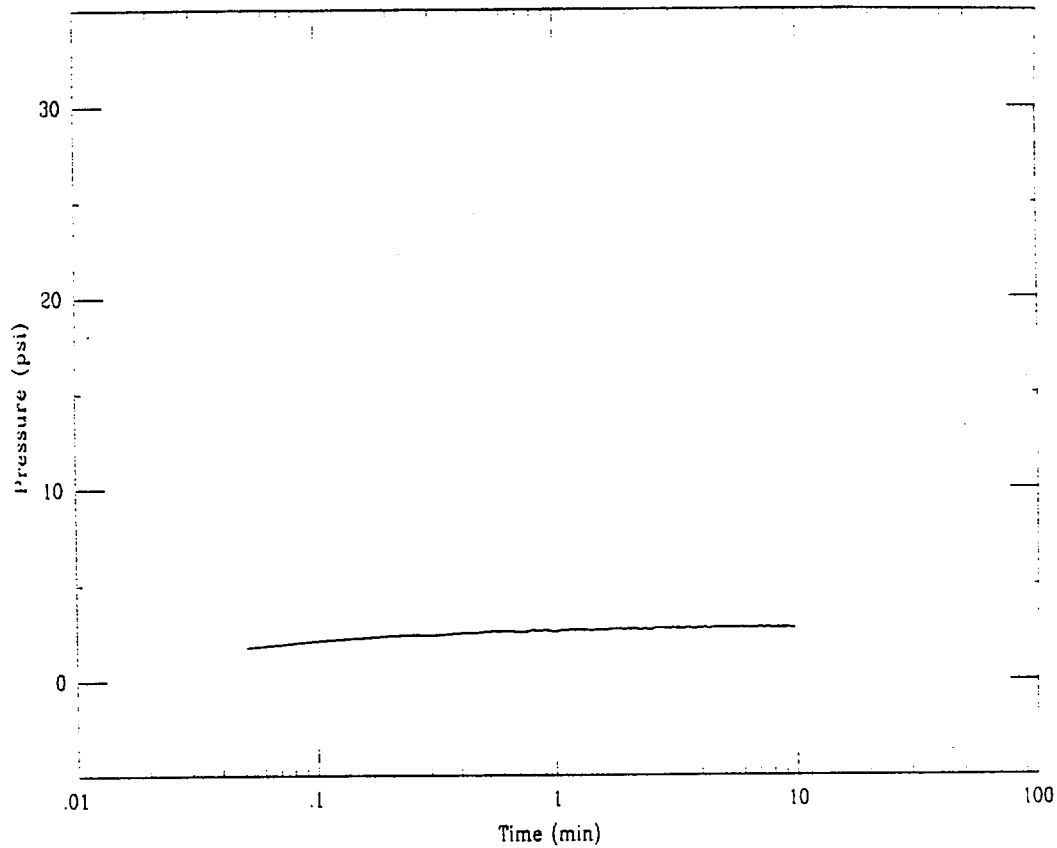
DCS, MEEFF Project No. 08716

CPT-06R

Applied Research Associates

06/15/00

Depth = 64.8 ft Max Pressure = 2.82 psi Pn = 2.75 psi

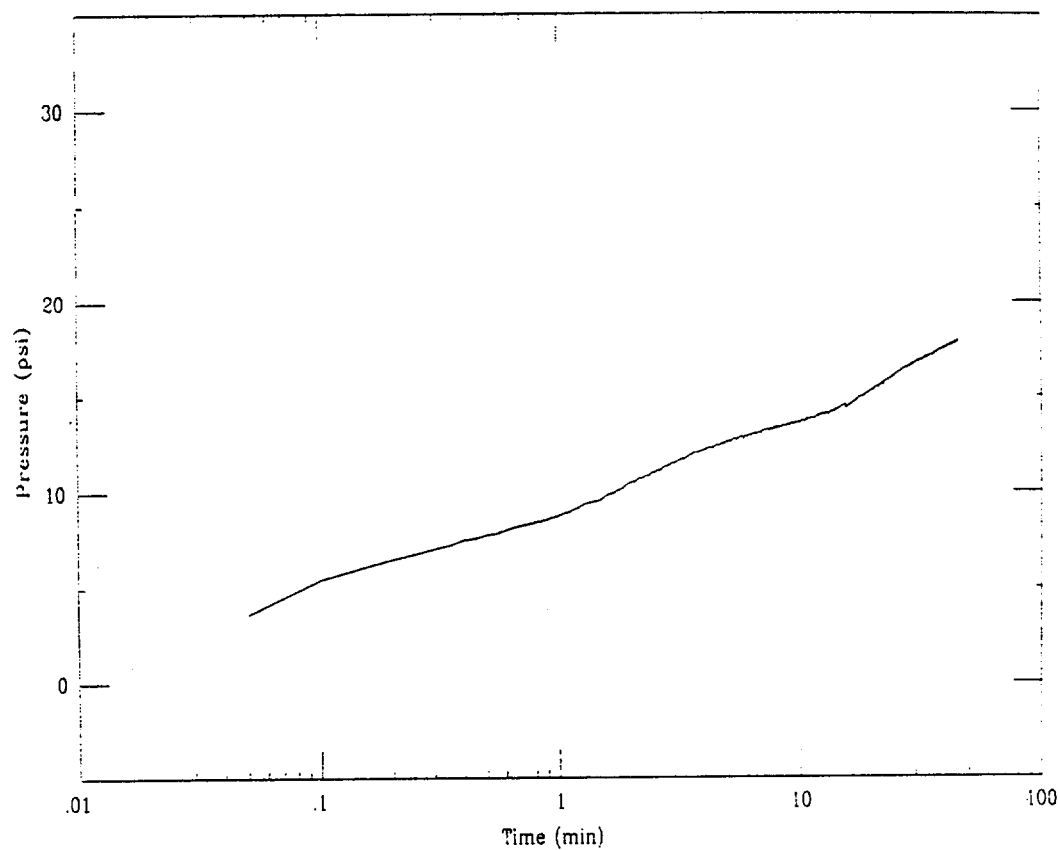


CPT-06R

Applied Research Associates

06/14/00

Depth = 78.6 ft Max Pressure = 17.97 psi Pn = 17.91 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-06R

Test Date : 6/15/00

Northing : 80470.7 (ft)

Easting : 55633.2 (ft)

Surface Elevation : 256.9 (ft)

Water Table Elevation : 198.9 (ft)

Probe Diameter : 1.75 (in)

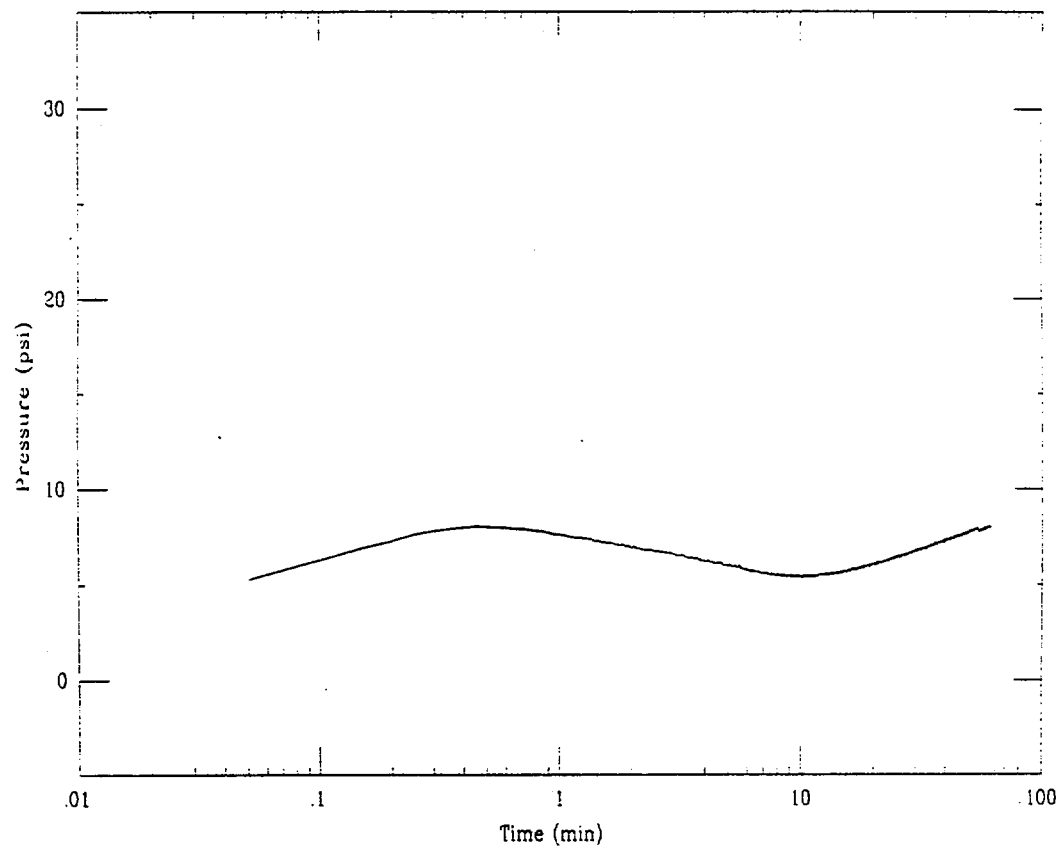
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	64.8	192.1	2.9	2.82								
Soil Dilatation	78.6	178.3	8.9	17.97								

CPT-07R

Applied Research Associates

06/19/00

Depth = 78.7 ft Max Pressure = 8.04 psi Pn = 8.01 psi

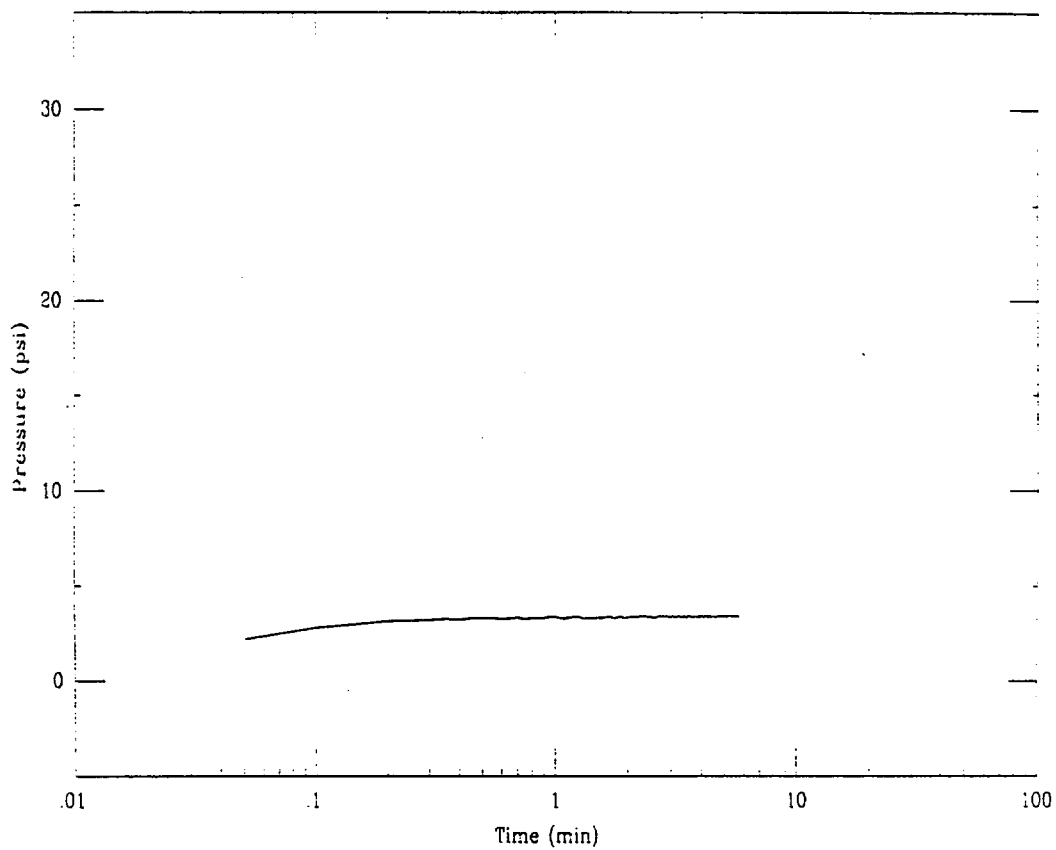


CPT-07R

Applied Research Associates

06/19/00

Depth = 87.5 ft Max Pressure = 3.45 psi Pn = 3.42 psi

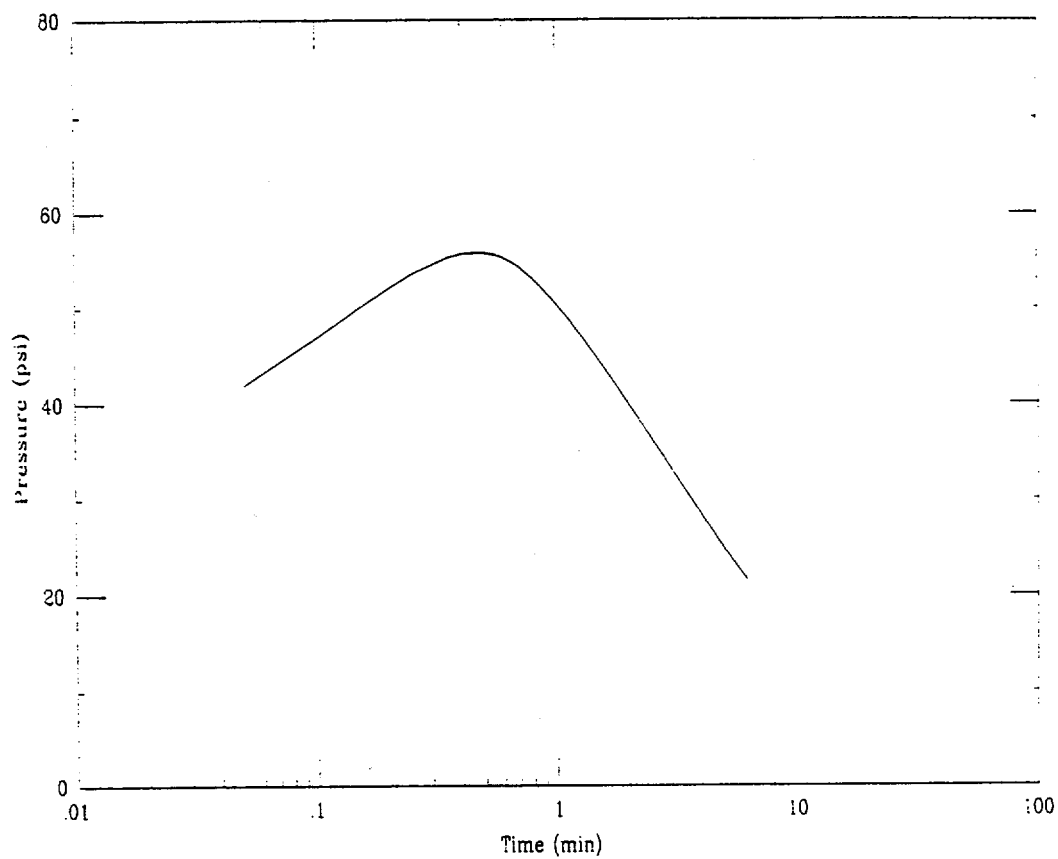


CPT-07R

Applied Research Associates

06/19/00

Depth = 98.1 ft Max Pressure = 55.77 psi Pn = 22.05 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-07R

Test Date : 6/19/00

Northing : 80438.0 (ft)

Easting : 55228.2 (ft)

Surface Elevation : 280.2 (ft)

Water Table Elevation : 200.6 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	78.7	201.5	-0.4									
Soil Dilatation	87.5	192.7	3.4	3.45								
	98.1	182.1	8.0	55.77	31.89	227.8	3.0	683.33	3.25	2.16E-02	1.39E-01	2.90E-06

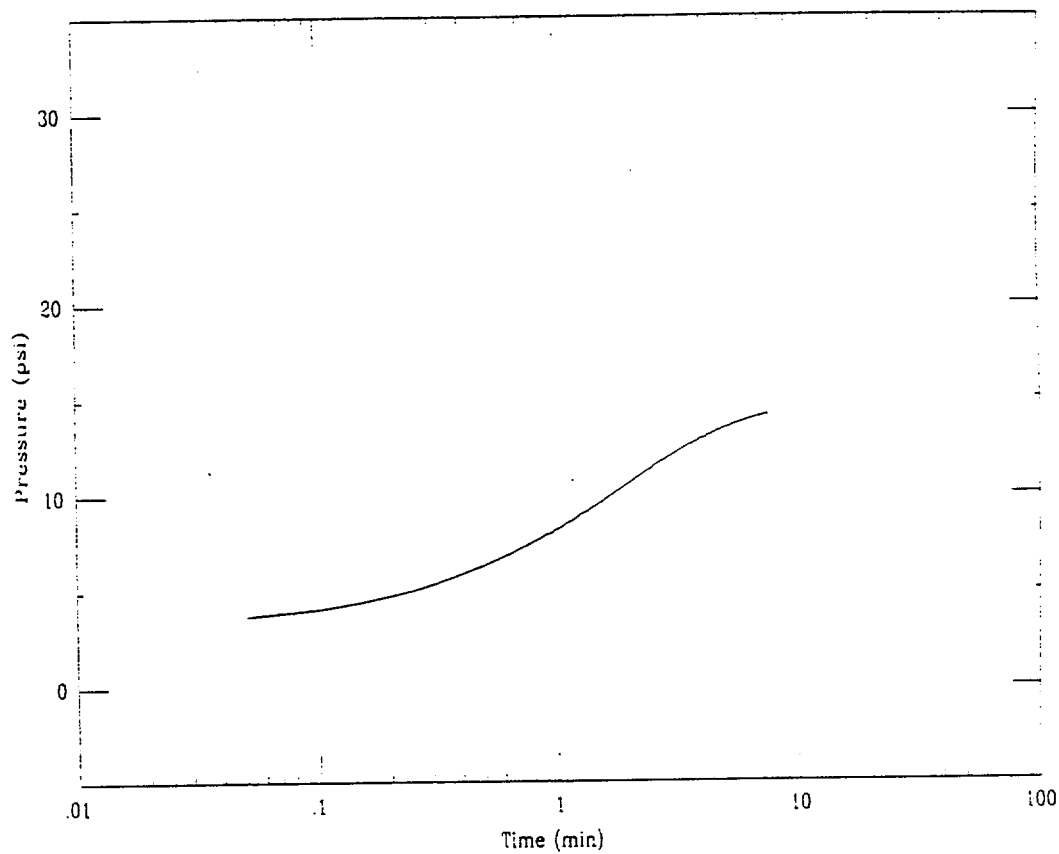
DCS, MFFF Project No. 08716

CPT-08S

Applied Research Associates

06/02/00

Depth = 111.4 ft Max Pressure = 14.18 psi Pn = 14.13 psi

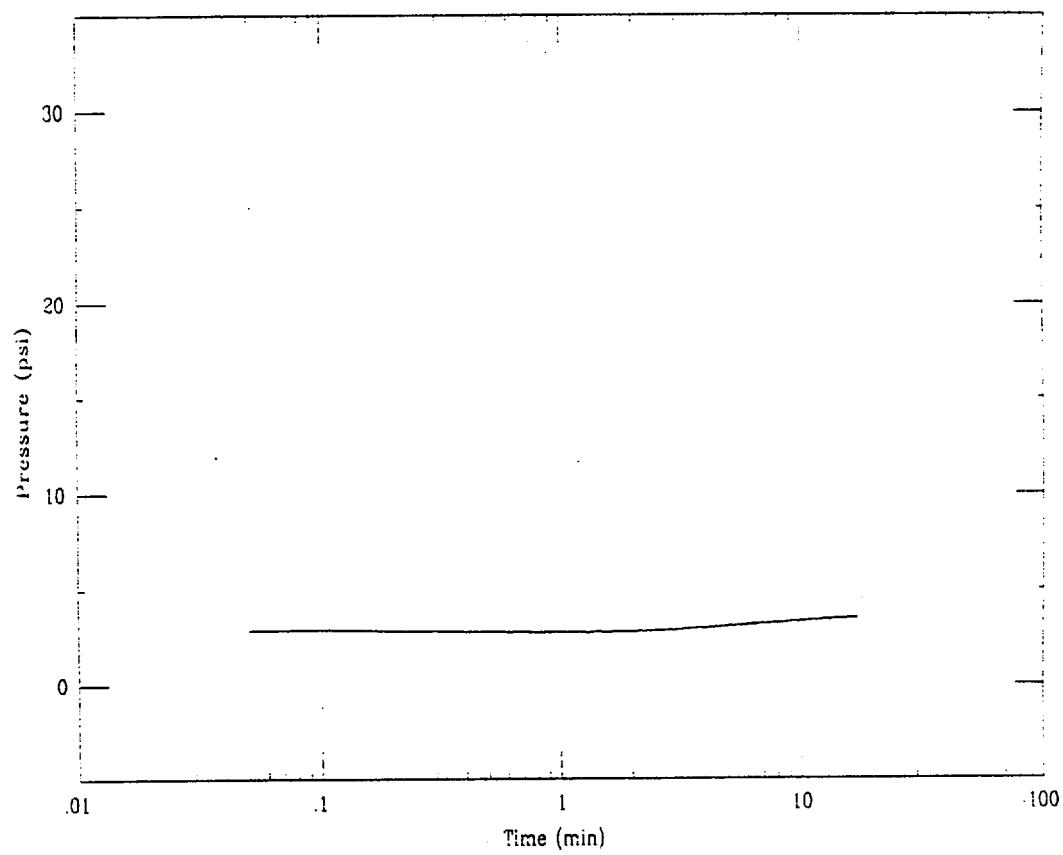


CPT-08S

Applied Research Associates

06/02/00

Depth = 140.1 ft Max Pressure = 3.51 psi Pn = 3.51 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-08S

Test Date : 6/2/00

Northing : 80393.7 (ft)

Easting : 55329.1 (ft)

Surface Elevation : 273.0 (ft)

Water Table Elevation : 198.4 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	111.4	161.6	15.9	14.18								
Soil Dilatation	140.1	132.9	28.4	3.51								

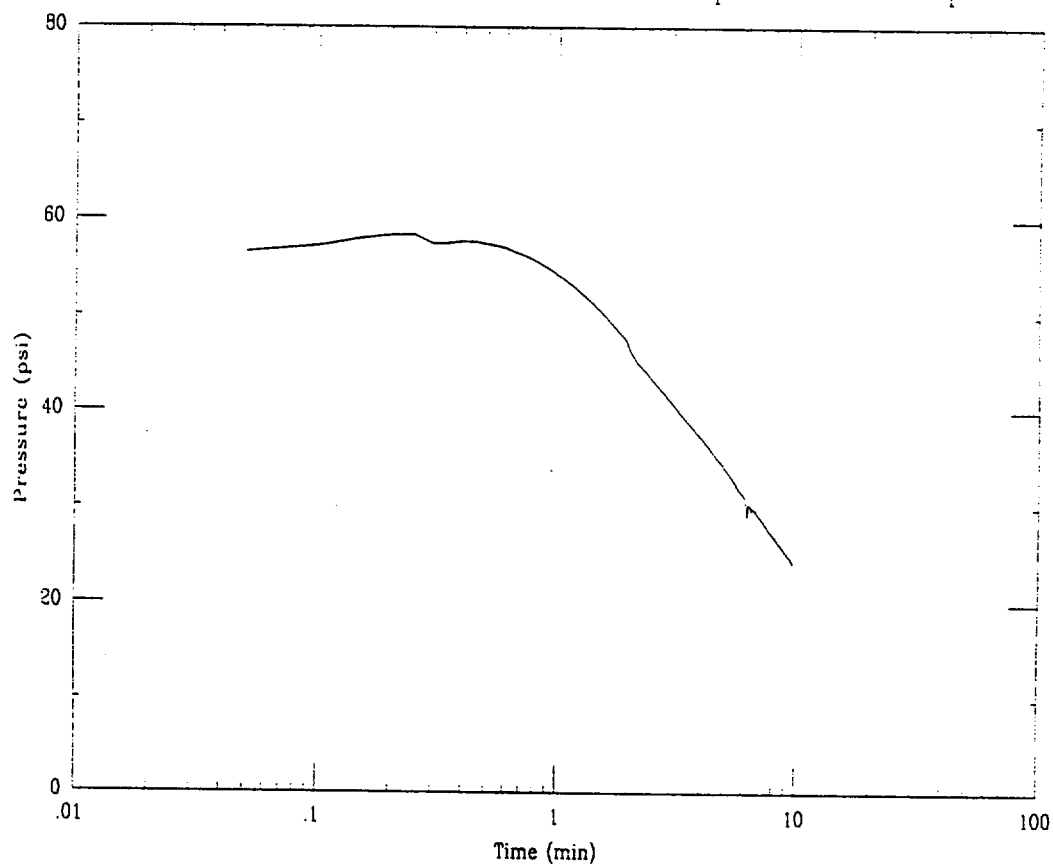
DCS, MFFF Project No. 08716

CPT-09R

Applied Research Associates

06/20/00

Depth = 50.6 ft Max Pressure = 58.39 psi Pn = 24.66 psi

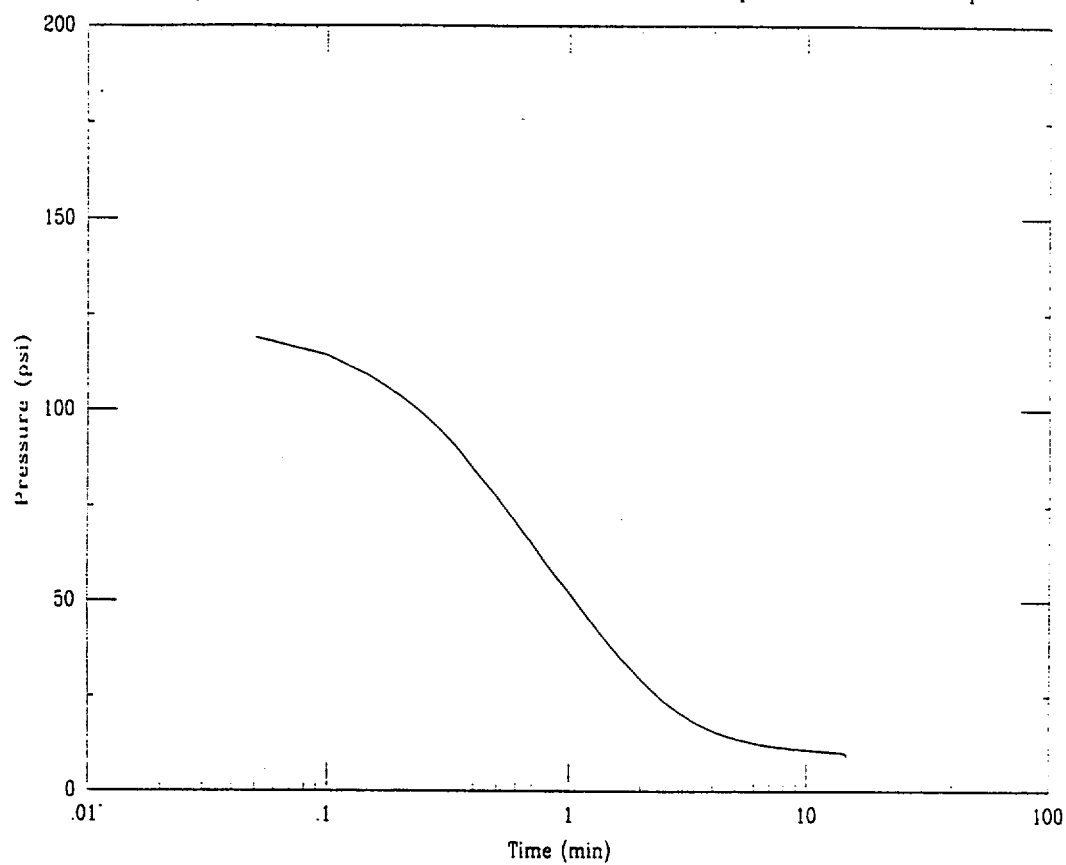


CPT-09R

Applied Research Associates

06/20/00

Depth = 80.7 ft Max Pressure = 119.00 psi Pn = 9.70 psi

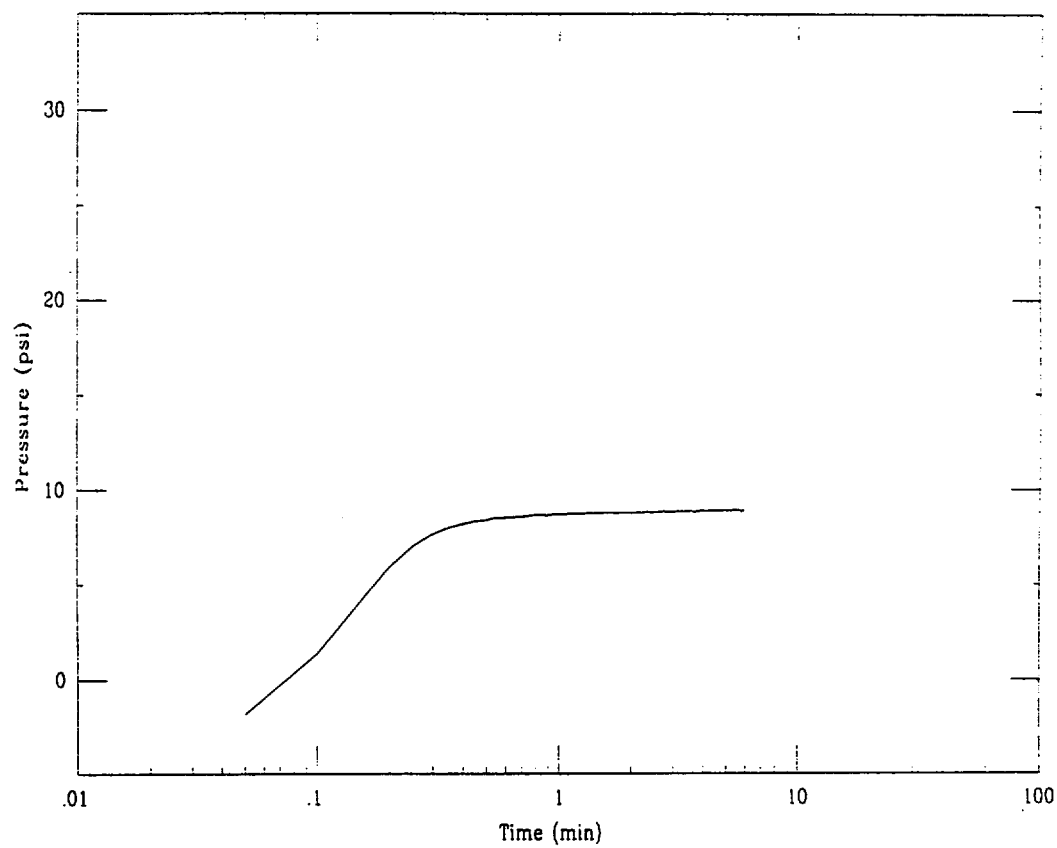


CPT-09R

Applied Research Associates

06/21/00

Depth = 88.0 ft Max Pressure = 8.94 psi Pn = 8.91 psi

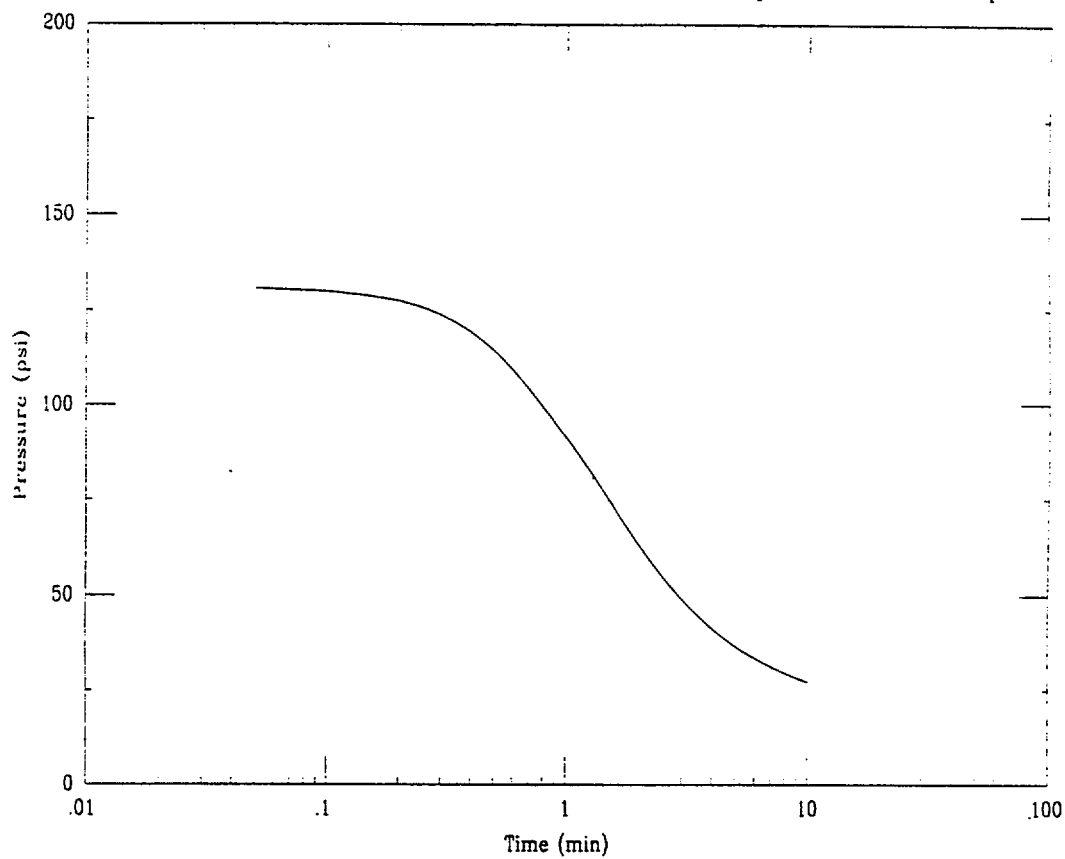


CPT-09R

Applied Research Associates

06/21/00

Depth = 112.3 ft Max Pressure = 130.69 psi Pn = 27.56 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-09R

Test Date : 6/20/00

Northing : 80394.0 (ft)

Easting : 55445.7 (ft)

Surface Elevation : 266.2 (ft)

Water Table Elevation : 199.2 (ft)

Probe Diameter : 1.75 (in)

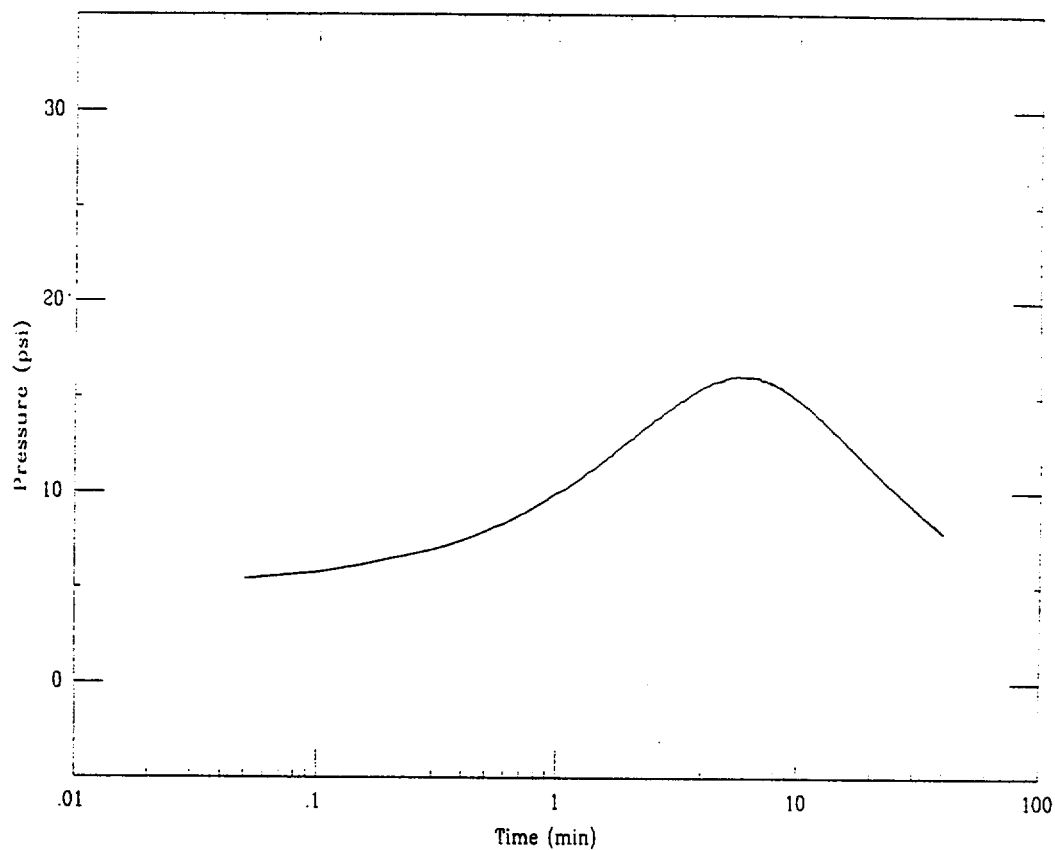
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	50.6	215.6	-7.1									
	80.7	185.5	5.9	119.00	62.47	395.8	2.5	989.58	0.78	9.00E-02	5.80E-01	8.34E-06
Soil Dilation	88.1	178.1	9.1	8.94								
	112.3	153.9	19.6	130.69	75.16	336.1	2.5	840.28	1.50	4.68E-02	3.02E-01	5.11E-06

CPT-10R

Applied Research Associates

06/20/00

Depth = 45.6 ft Max Pressure = 16.13 psi $P_n = 7.91$ psi

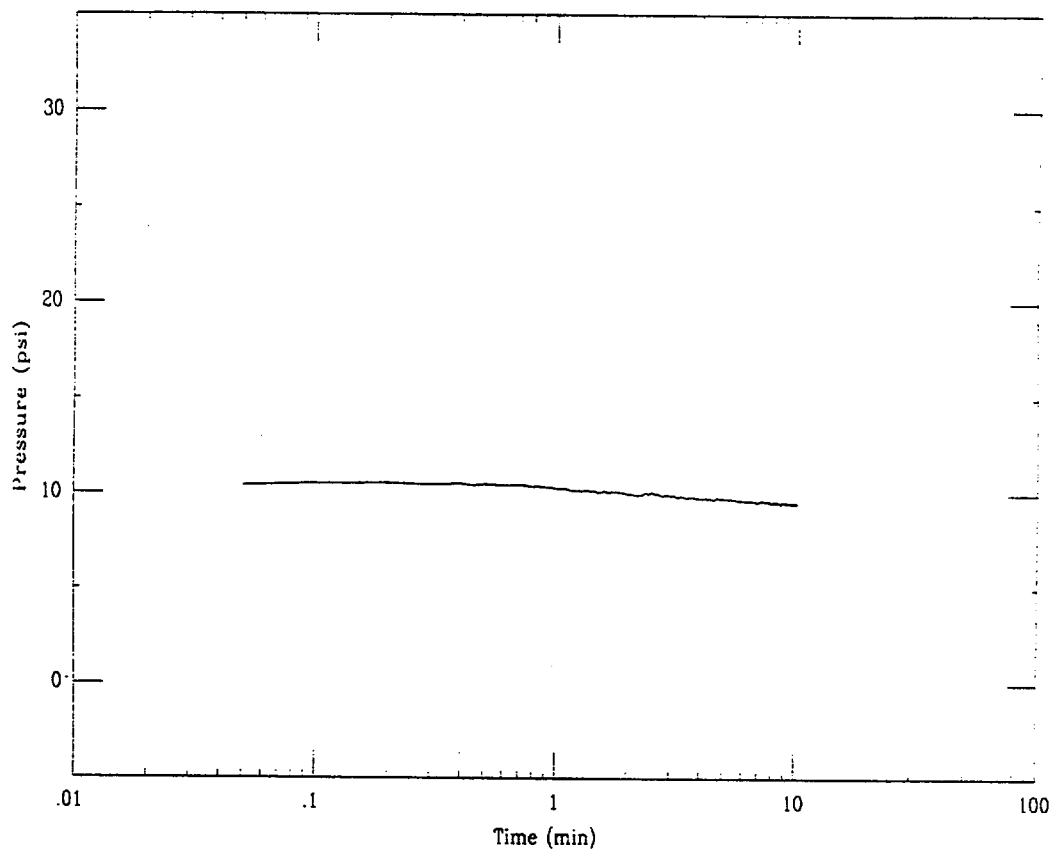


CPT-10R

Applied Research Associates

06/20/00

Depth = 85.3 ft Max Pressure = 10.57 psi Pn = 9.55 psi

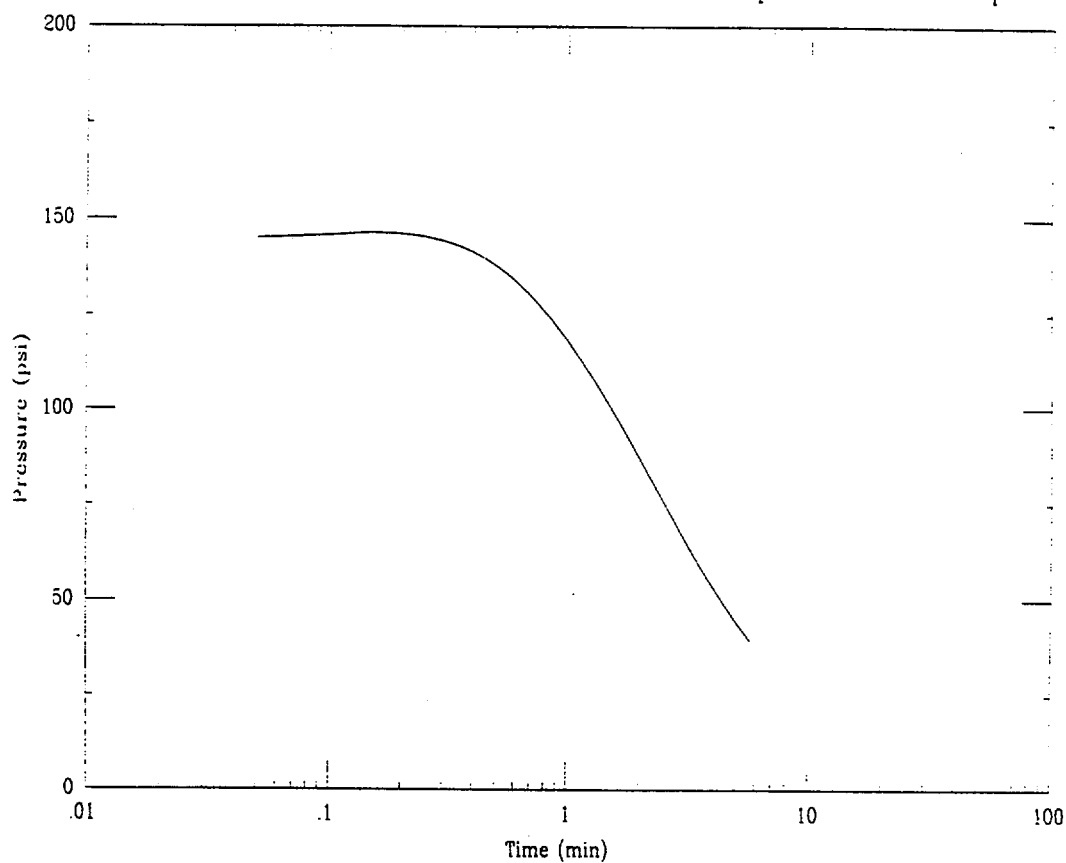


CPT-10R

Applied Research Associates

06/20/00

Depth = 104.9 ft Max Pressure = 146.39 psi Pn = 41.03 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-10R

Test Date : 6/20/00

Northing : 80406.7 (ft)

Easting : 55527.1 (ft)

Surface Elevation : 261.9 (ft)

Water Table Elevation : 194.9 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	45.6	216.3	-9.3									
150% not reached	85.3	176.6	7.9	10.57	9.25							
	104.9	157.0	16.4	146.39	81.41	359.7	2.5	899.31	2.25	3.12E-02	2.01E-01	3.18E-06

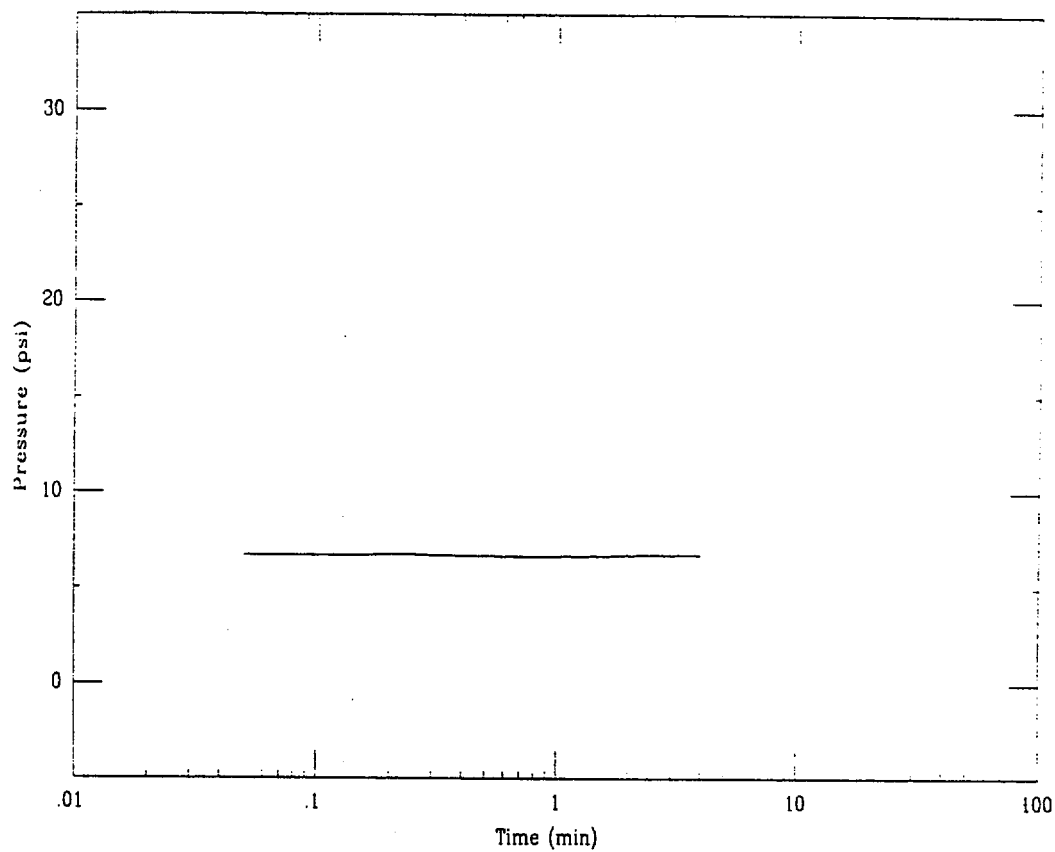
DCS, MEFF Project No. 08716

CPT-11S

Applied Research Associates

06/02/00

Depth = 78.0 ft Max Pressure = 6.80 psi Pn = 6.78 psi

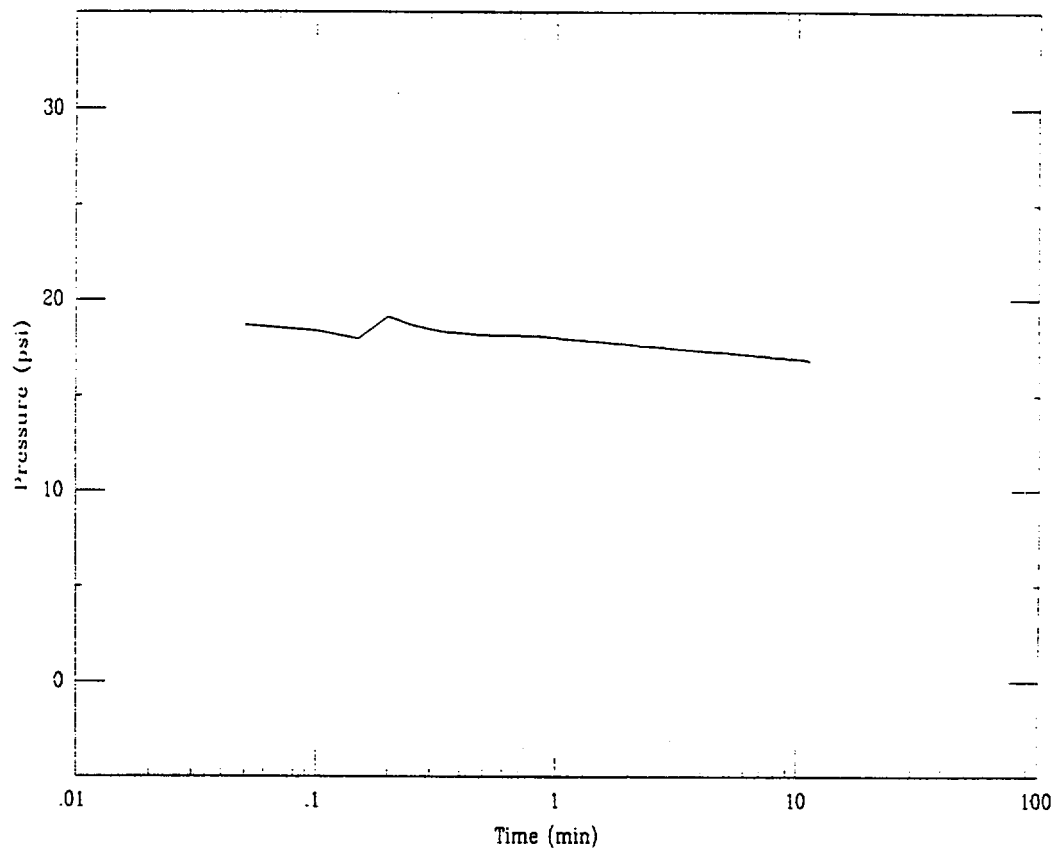


CPT-11S

Applied Research Associates

06/02/00

Depth = 106.4 ft Max Pressure = 19.14 psi Pn = 16.87 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-11S

Test Date : 6/2/00

Northing : 80394.0 (ft)

Easting : 55624.1 (ft)

Surface Elevation : 258.5 (ft)

Water Table Elevation : 196.1 (ft)

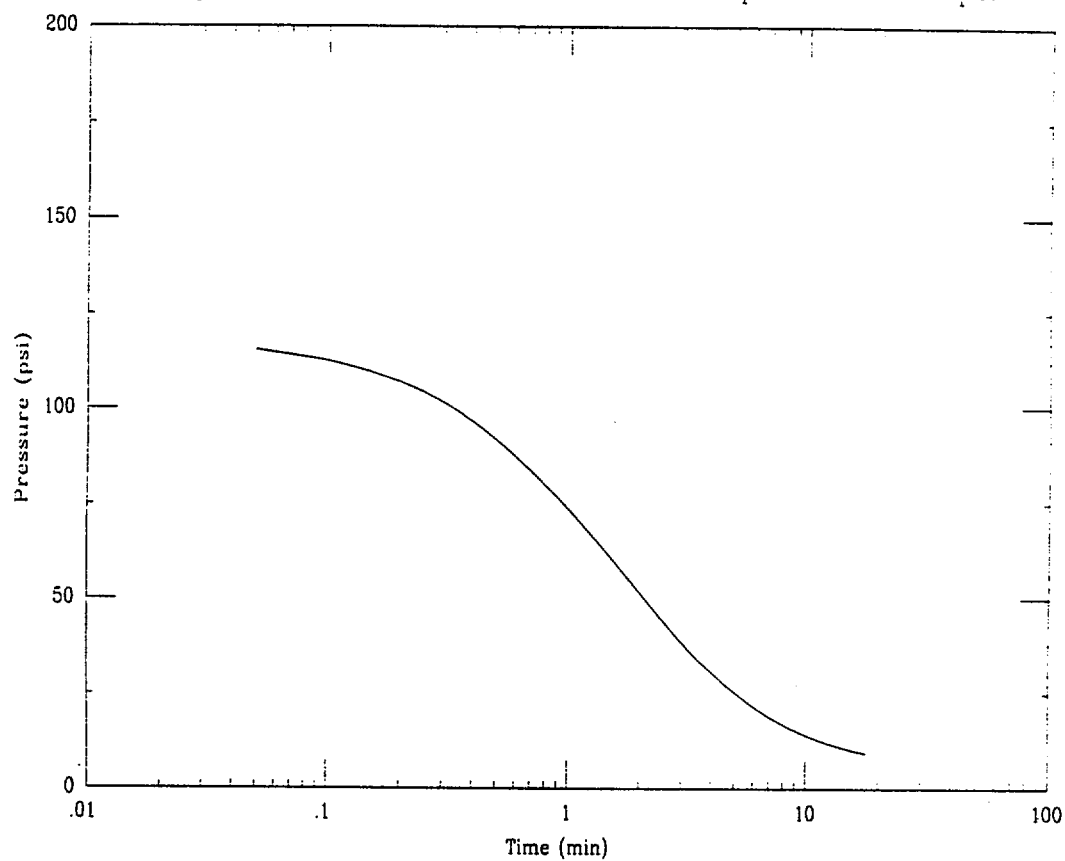
Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Immediate dissip.	78.0	180.5	6.8	6.80								
	106.4	152.1	19.1	19.14	19.10	2455.6	1.0	2455.56	0.20	3.51E-01	2.26E+00	1.31E-05

Applied Research Associates

06/23/00

Depth = 67.4 ft Max Pressure = 115.44 psi Pn = 9.53 psi

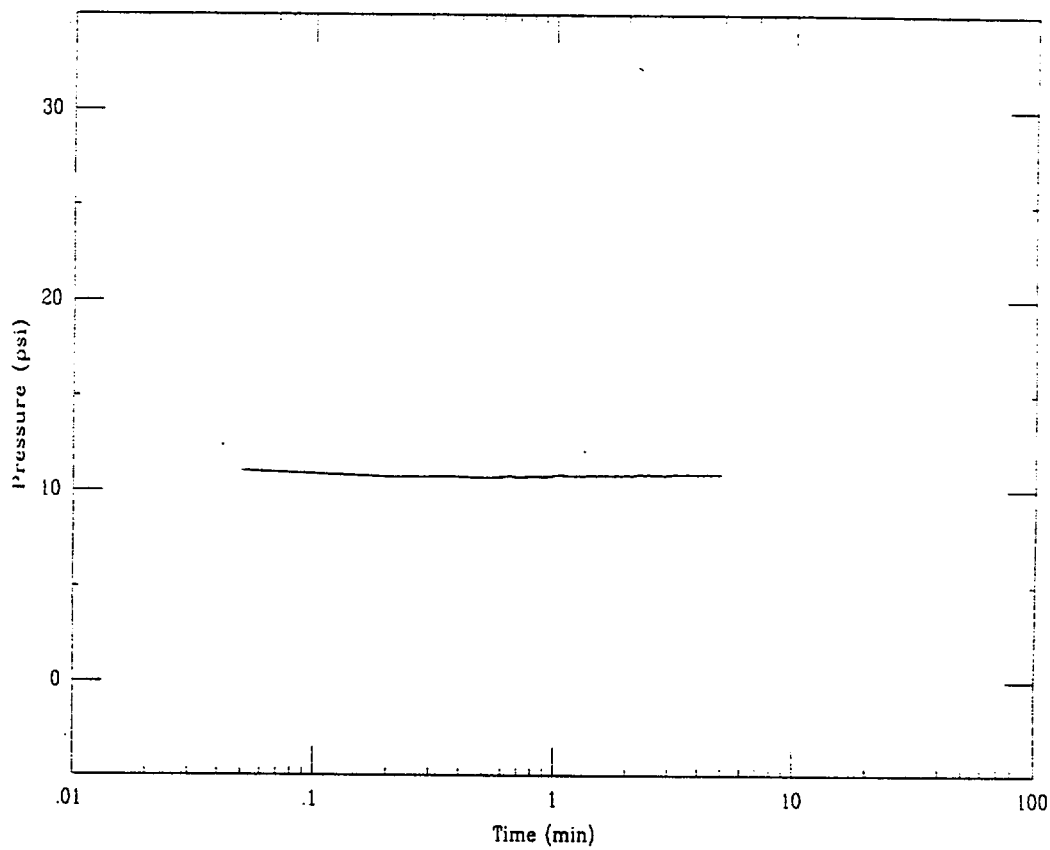


CPT-12R

Applied Research Associates

06/23/00

Depth = 86.0 ft Max Pressure = 11.03 psi Pn = 10.88 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-12R

Test Date : 6/23/00

Northing : 80373.1 (ft)

Easting : 55747.5 (ft)

Surface Elevation : 254.5 (ft)

Water Table Elevation : 193.5 (ft)

Probe Diameter : 1.75 (in)

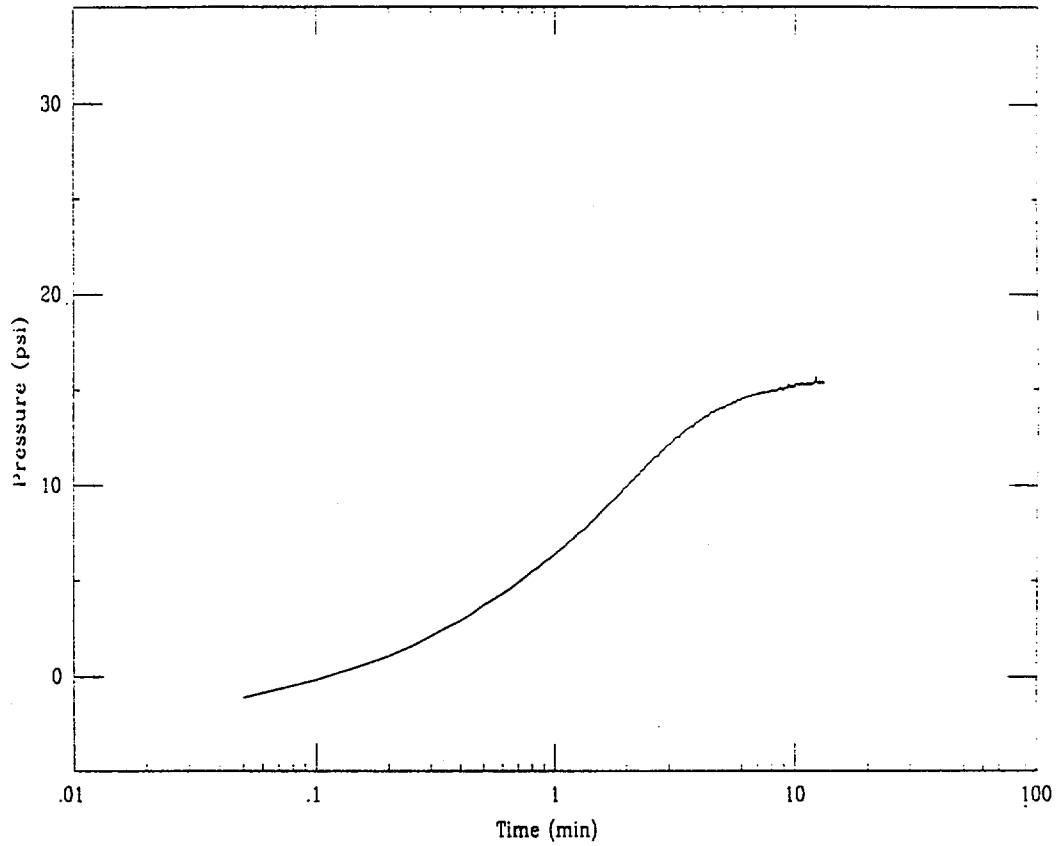
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	67.4	187.1	2.8	115.44	59.11	238.9	3.0	716.67	1.60	4.39E-02	2.83E-01	5.61E-06
Immediate dissip.	86.0	168.5	10.8	11.03								

CPT-13S

Applied Research Associates

06/05/00

Depth = 135.5 ft Max Pressure = 15.74 psi Pn = 15.74 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-13S

Test Date : 6/5/00

Northing : 80262.2 (ft)

Easting : 55233.6 (ft)

Surface Elevation : 296.7 (ft)

Water Table Elevation : 196.7 (ft)

Probe Diameter : 1.75 (in)

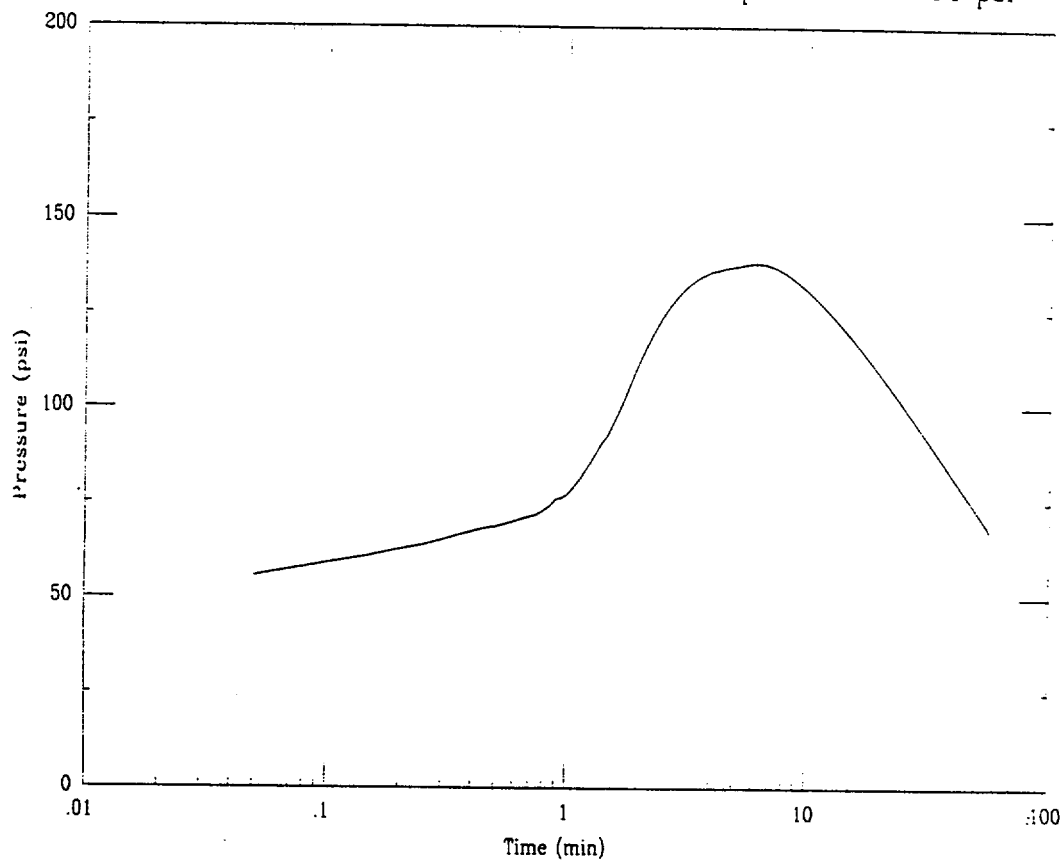
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (ln2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	135.5	161.2	15.4	15.74								

CPT-14R

Applied Research Associates

06/19/00

Depth = 68.9 ft Max Pressure = 138.25 psi $P_n = 67.91$ psi

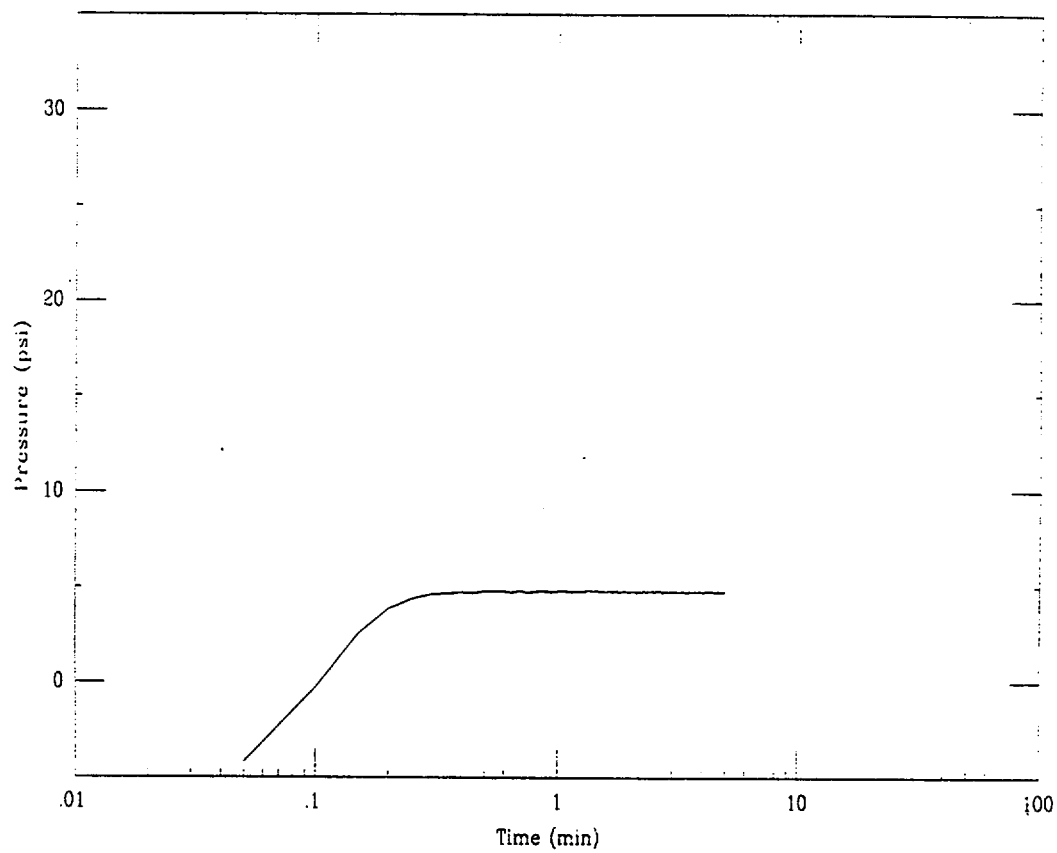


CPT-14R

Applied Research Associates

06/19/00

Depth = 85.9 ft Max Pressure = 4.85 psi Pn = 4.76 psi

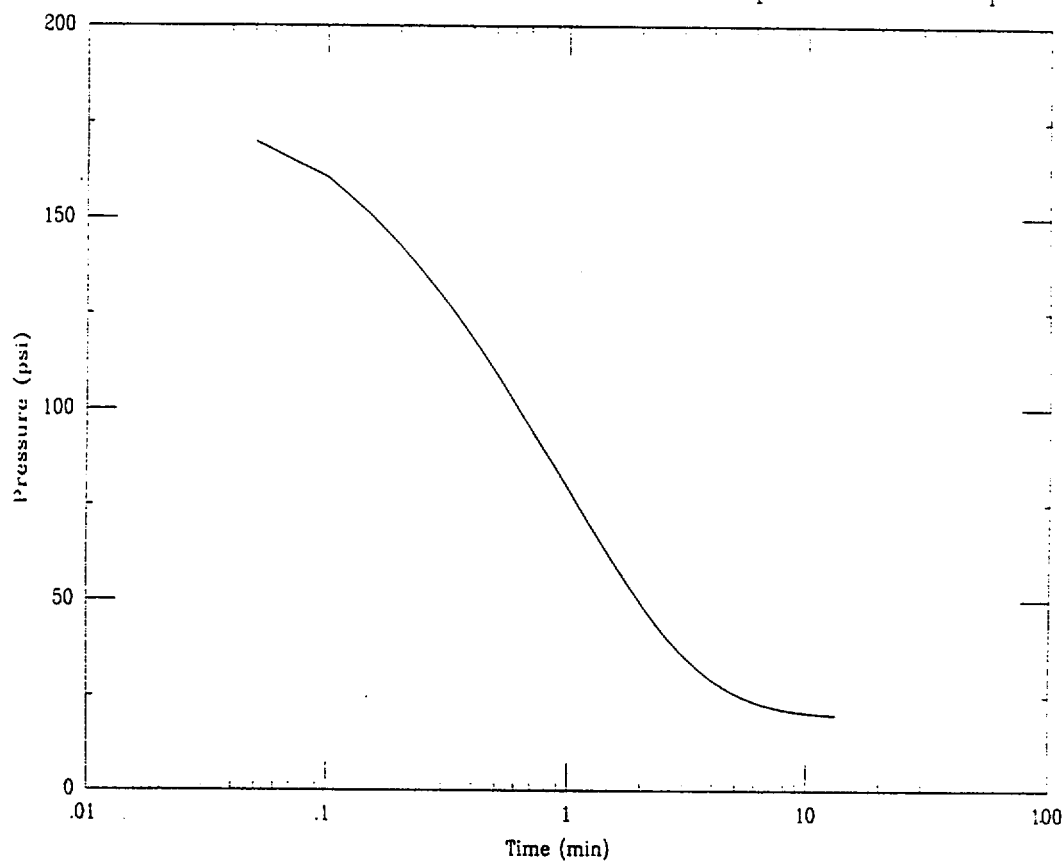


CPT-14R

Applied Research Associates

06/19/00

Depth = 123.7 ft Max Pressure = 169.92 psi Pn = 20.14 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-14R

Test Date : 6/19/00

Northing : 80292.7 (ft)

Easting : 55330.8 (ft)

Surface Elevation : 276.0 (ft)

Water Table Elevation : 201.0 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	68.9	207.1	-2.6									
Soil Dilation	85.9	190.1	4.7	4.85								
	123.7	152.3	21.1	169.92	95.51	331.9	2.5	829.86	0.70	1.00E-01	6.47E-01	1.11E-05

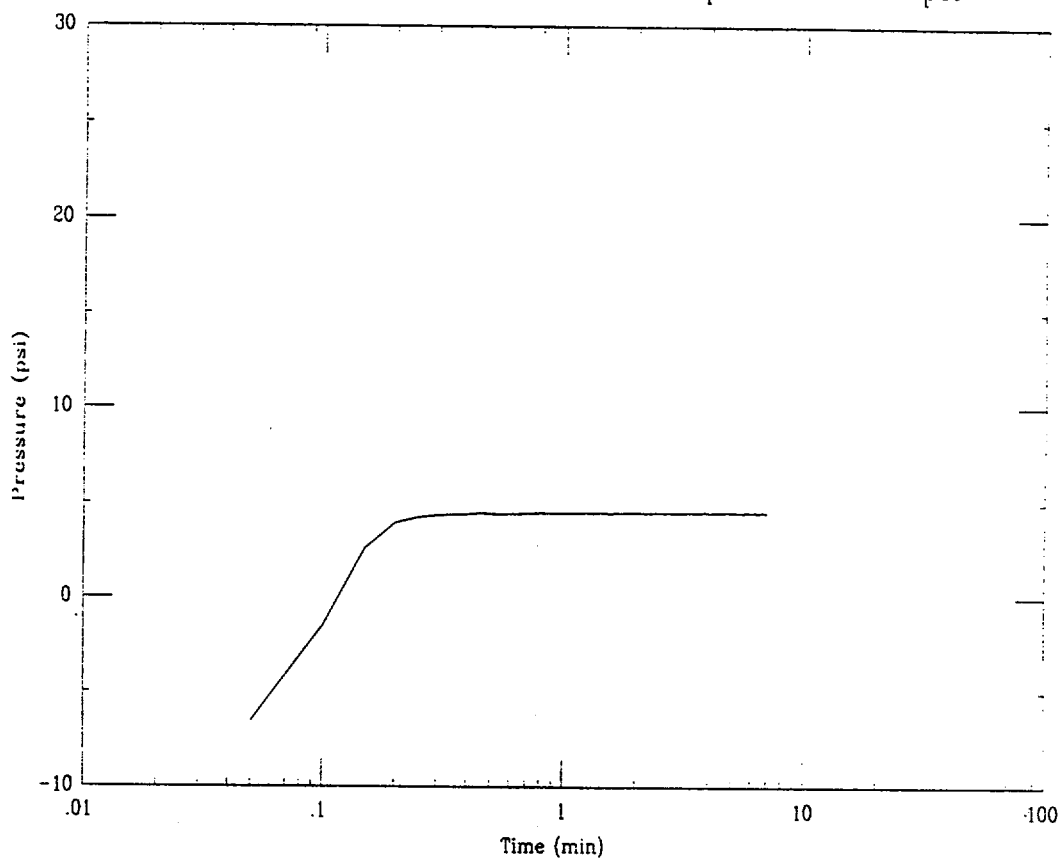
DCS, MFFF Project No. 08716

CPT-15R

Applied Research Associates

06/22/00

Depth = 79.0 ft Max Pressure = 4.60 psi Pn = 4.55 psi

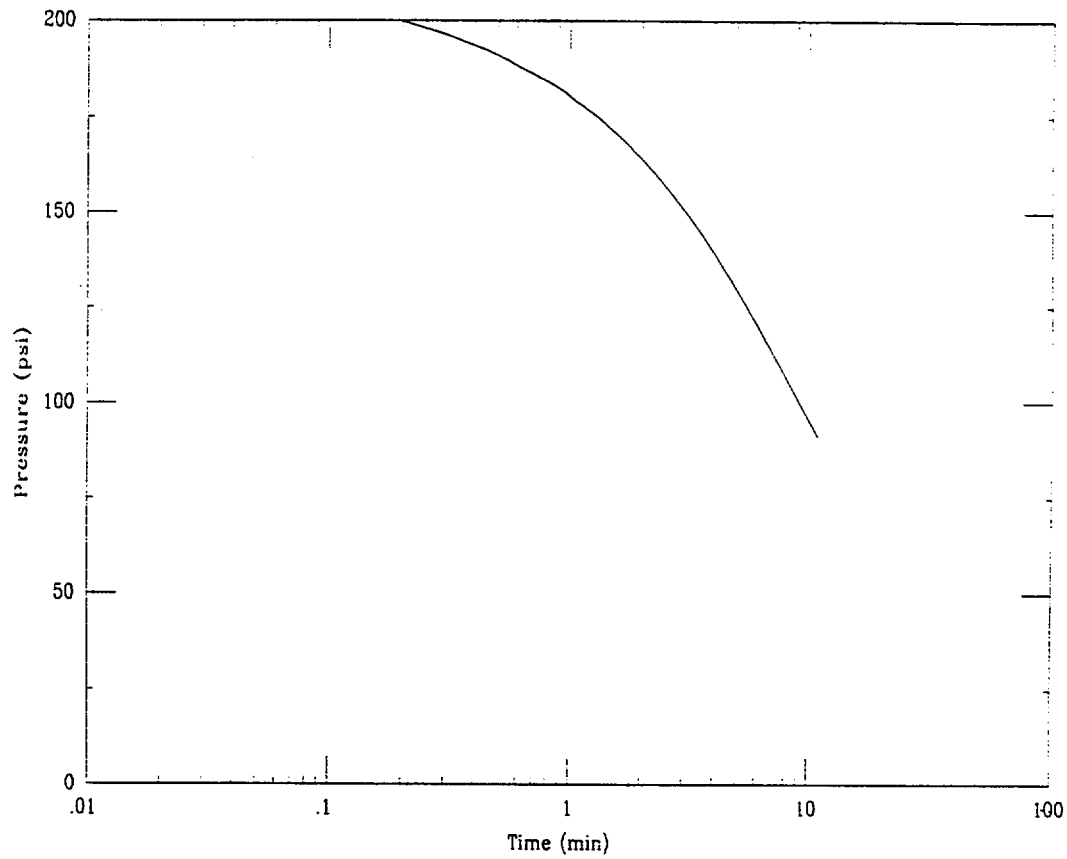


CPT-15R

Applied Research Associates

06/22/00

Depth = 114.9 ft Max Pressure = 205.75 psi Pn = 92.09 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-15R

Test Date : 6/22/00

Northing : 80295.0 (ft)

Easting : 55462.7 (ft)

Surface Elevation : 269.1 (ft)

Water Table Elevation : 200.6 (ft)

Probe Diameter : 1.75 (in)

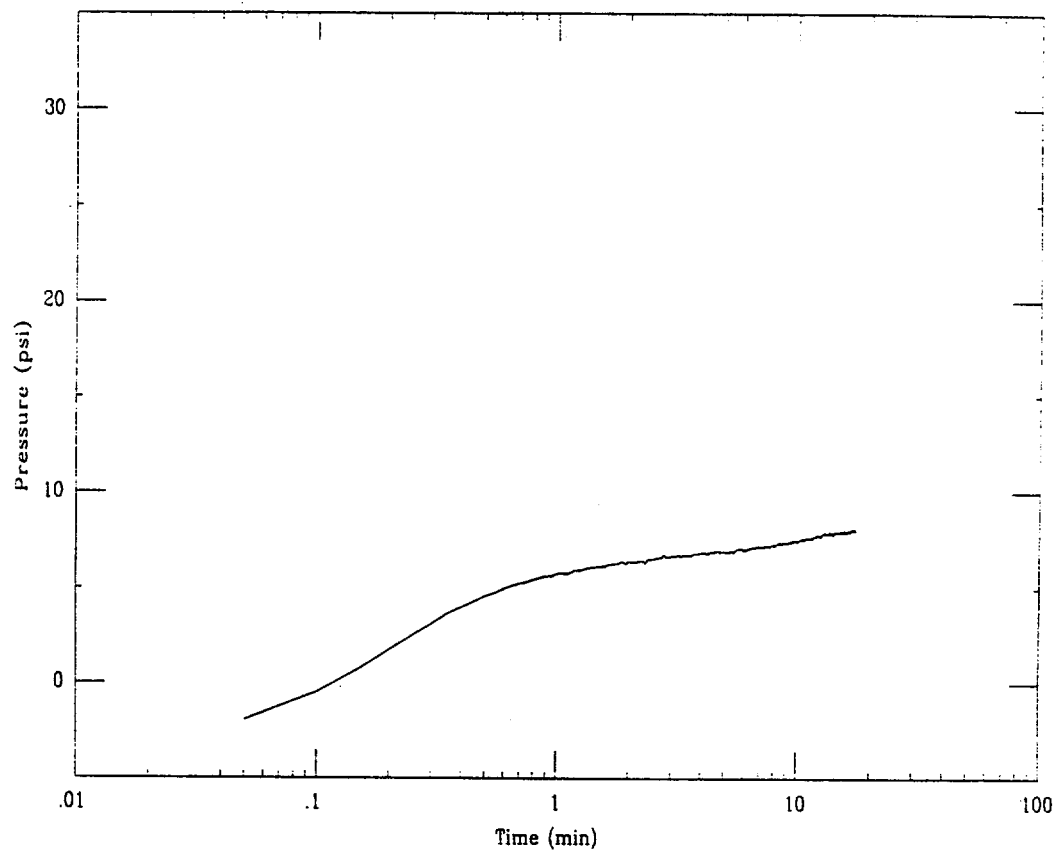
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	79.0	190.1	4.6	4.60								
	114.9	154.2	20.1	205.75	112.93	361.1	2.5	902.78	7.11	9.87E-03	6.37E-02	1.00E-06

CPT-16S

Applied Research Associates

06/08/00

Depth = 84.7 ft Max Pressure = 8.13 psi Pn = 8.13 psi

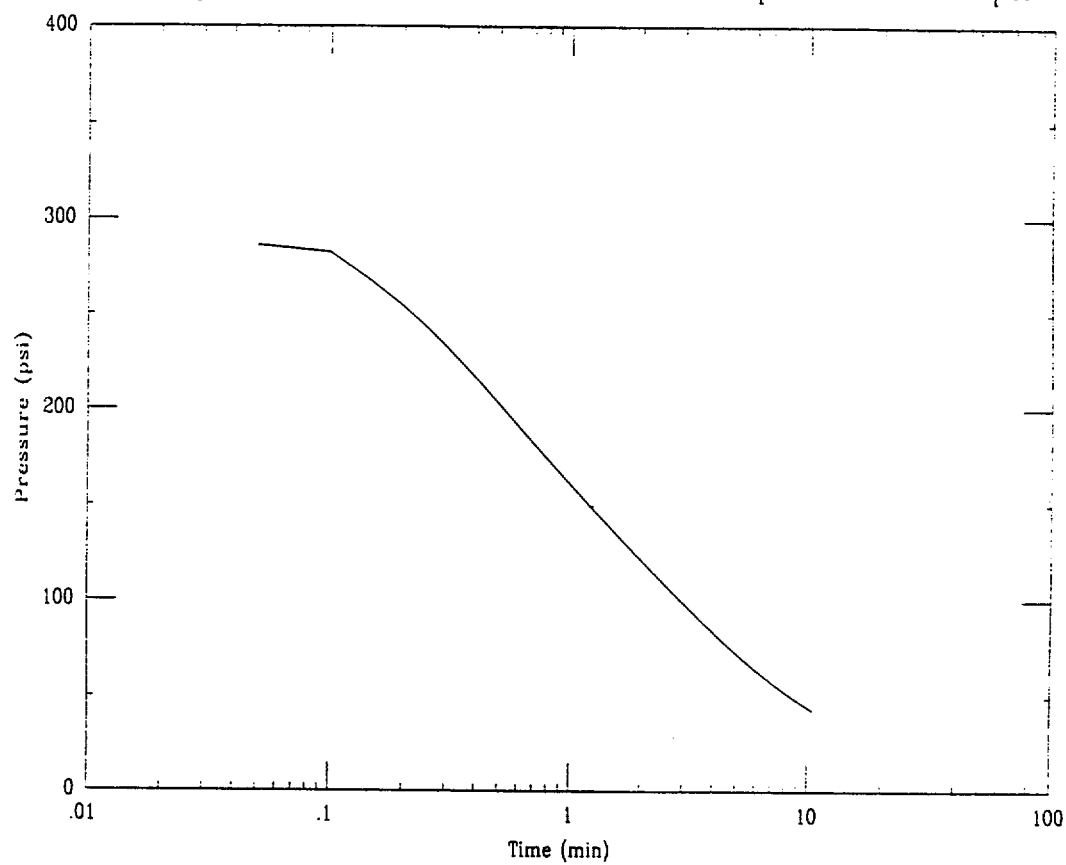


CPT-16S

Applied Research Associates

06/08/00

Depth = 116.1 ft Max Pressure = 286.03 psi Pn = 42.00 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-16S

Test Date : 6/8/00

Northing : 80281.0 (ft)

Easting : 55628.6 (ft)

Surface Elevation : 260.5 (ft)

Water Table Elevation : 181.5 (ft)

Probe Diameter : 1.75 (in)

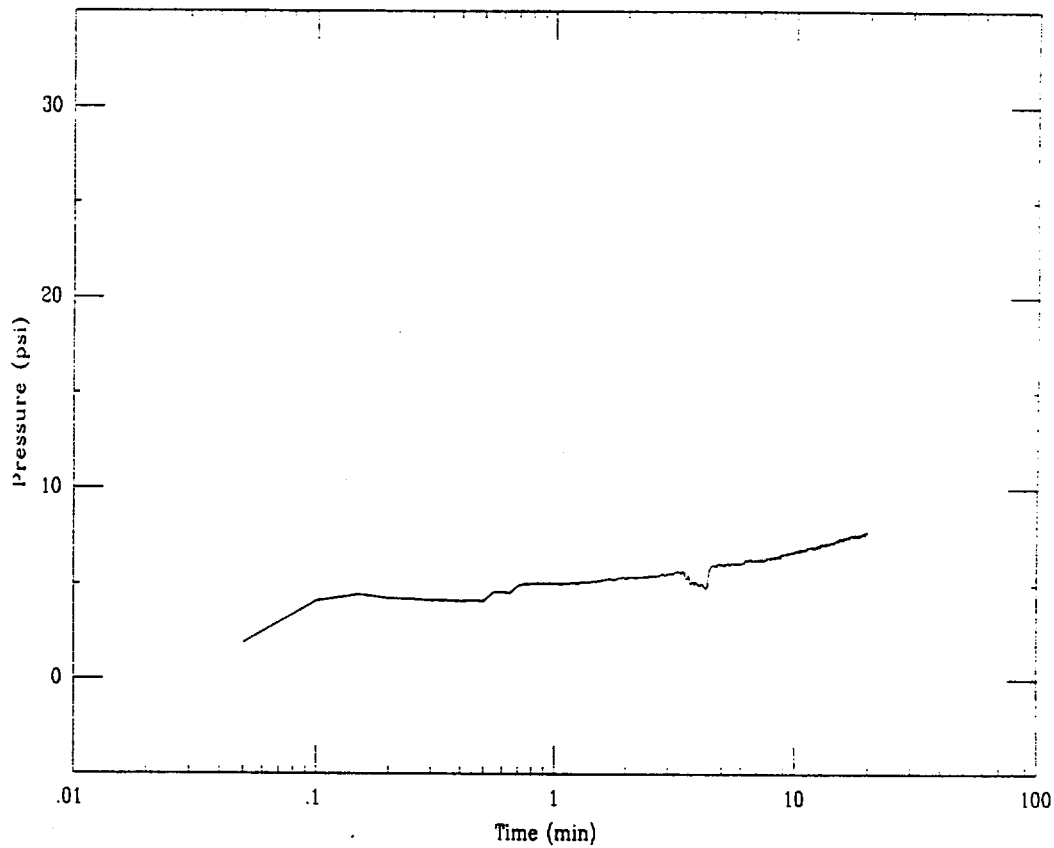
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	84.7	175.8	2.5	8.13								
	116.1	144.4	16.1	286.03	151.05	1286.1	1.0	1286.11	1.10	6.38E-02	4.12E-01	4.55E-06

CPT-17

Applied Research Associates

06/10/00

Depth = 80.1 ft Max Pressure = 7.81 psi Pn = 7.81 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-17

Test Date : 6/10/00

Northing : 80259.4 (ft)

Easting : 55747.7 (ft)

Surface Elevation : 255.9 (ft)

Water Table Elevation : 193.9 (ft)

Probe Diameter : 1.75 (in)

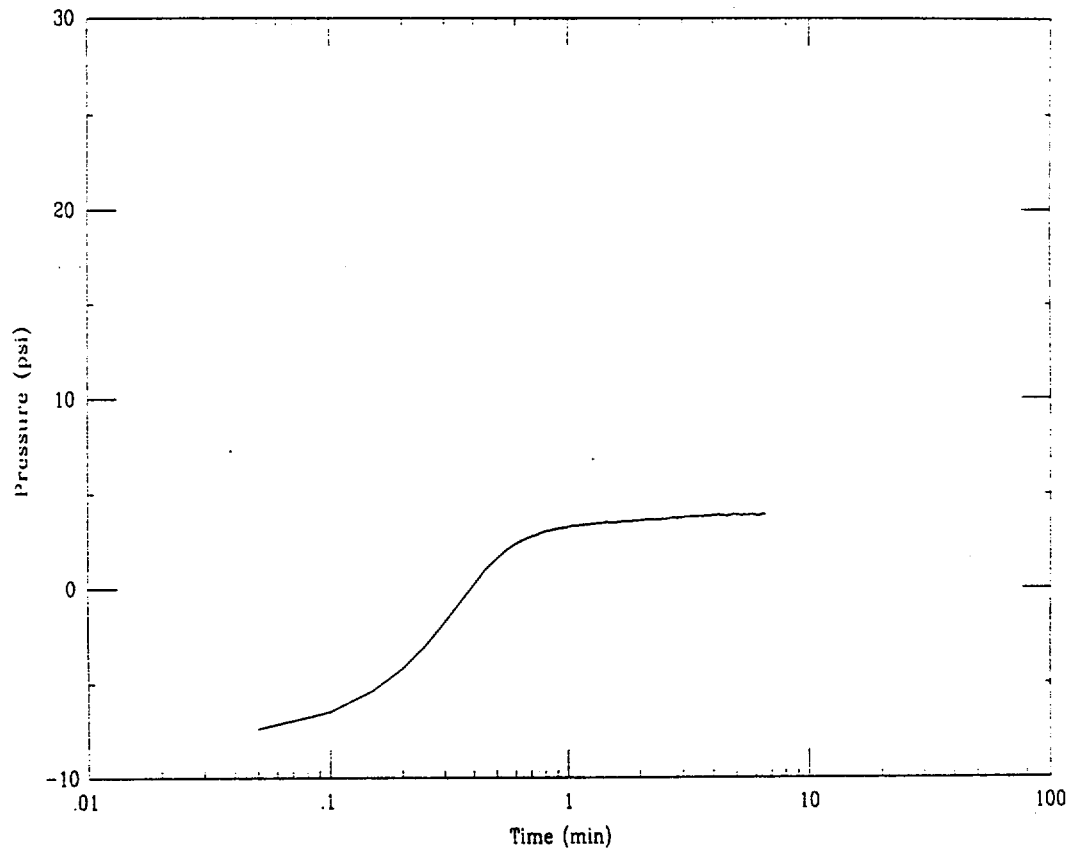
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	80.1	175.8	7.8	7.81								

CPT-18R

Applied Research Associates

06/22/00

Depth = 82.9 ft Max Pressure = 3.96 psi Pn = 3.95 psi

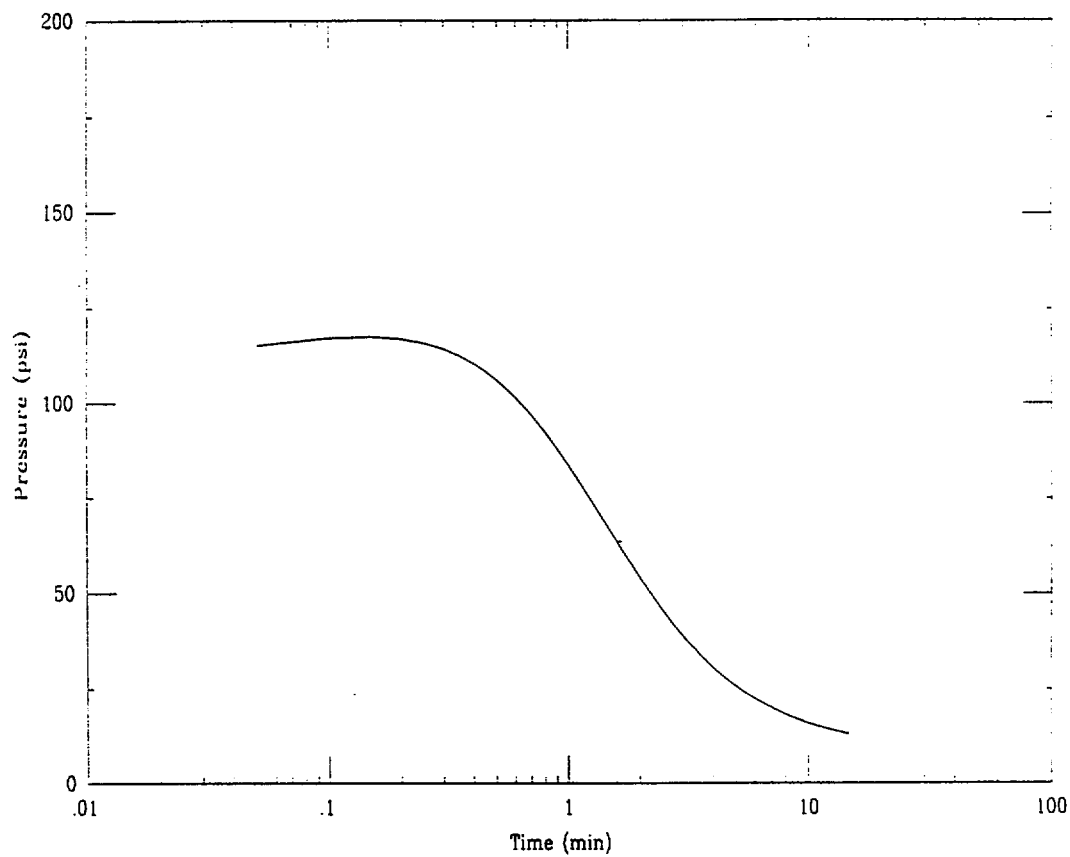


CPT-18R

Applied Research Associates

06/22/00

Depth = 97.2 ft Max Pressure = 117.63 psi Pn = 11.24 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-18R

Test Date : 6/22/00

Northing : 80192.1 (ft)

Easting : 55405.9 (ft)

Surface Elevation : 277.0 (ft)

Water Table Elevation : 203.2 (ft)

Probe Diameter : 1.75 (in)

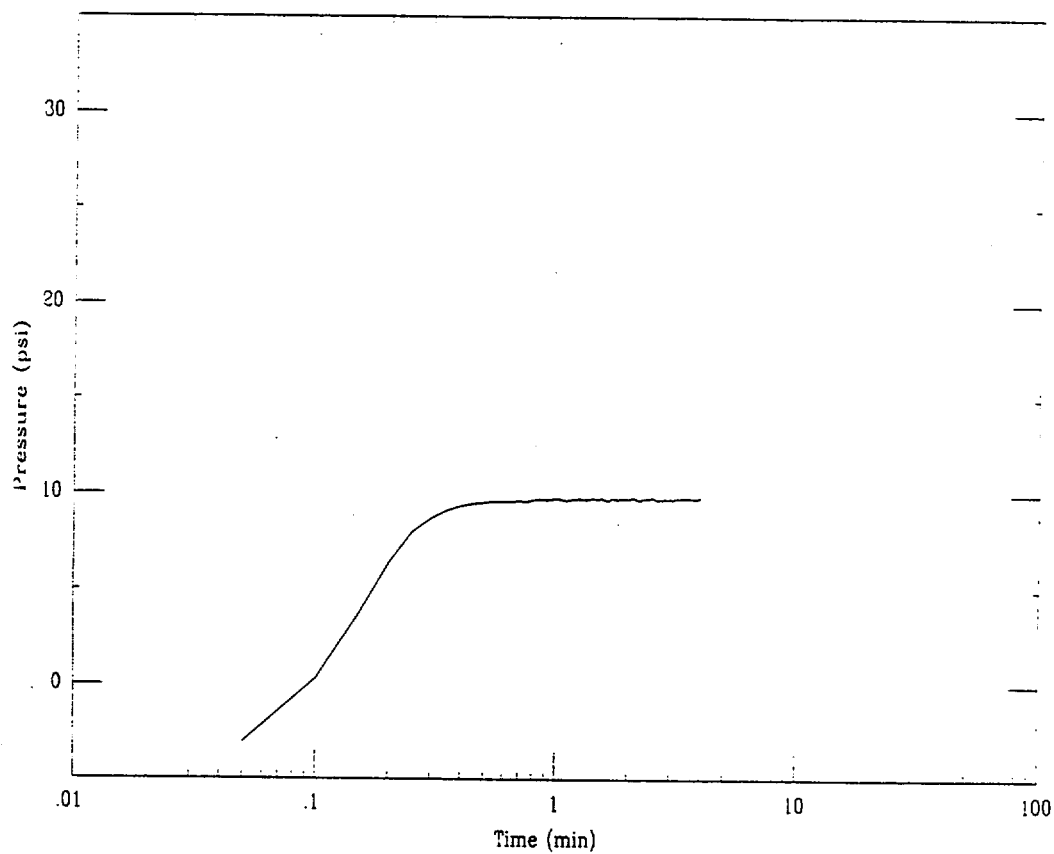
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	82.9	194.1	3.9	3.96								
	97.2	179.8	10.1	117.63	63.89	205.6	3.0	616.67	1.48	4.74E-02	3.06E-01	7.05E-06

CPT-19S

Applied Research Associates

06/03/00

Depth = 98.0 ft Max Pressure = 9.86 psi Pn = 9.81 psi

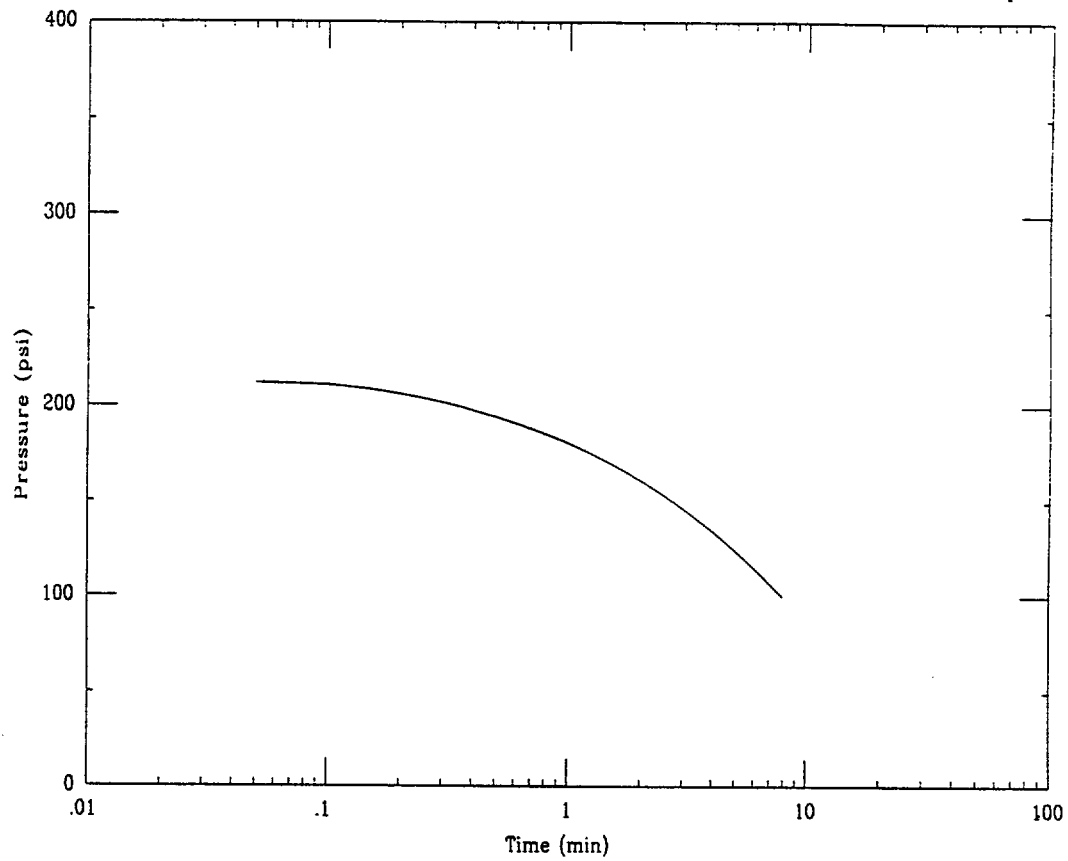


CPT-19S

Applied Research Associates

06/03/00

Depth = 106.1 ft Max Pressure = 212.09 psi Pn = 101.88 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-19S

Test Date : 6/3/00

Northing : 80177.3 (ft)

Easting : 55467.5 (ft)

Surface Elevation : 274.8 (ft)

Water Table Elevation : 199.4 (ft)

Probe Diameter : 1.75 (in)

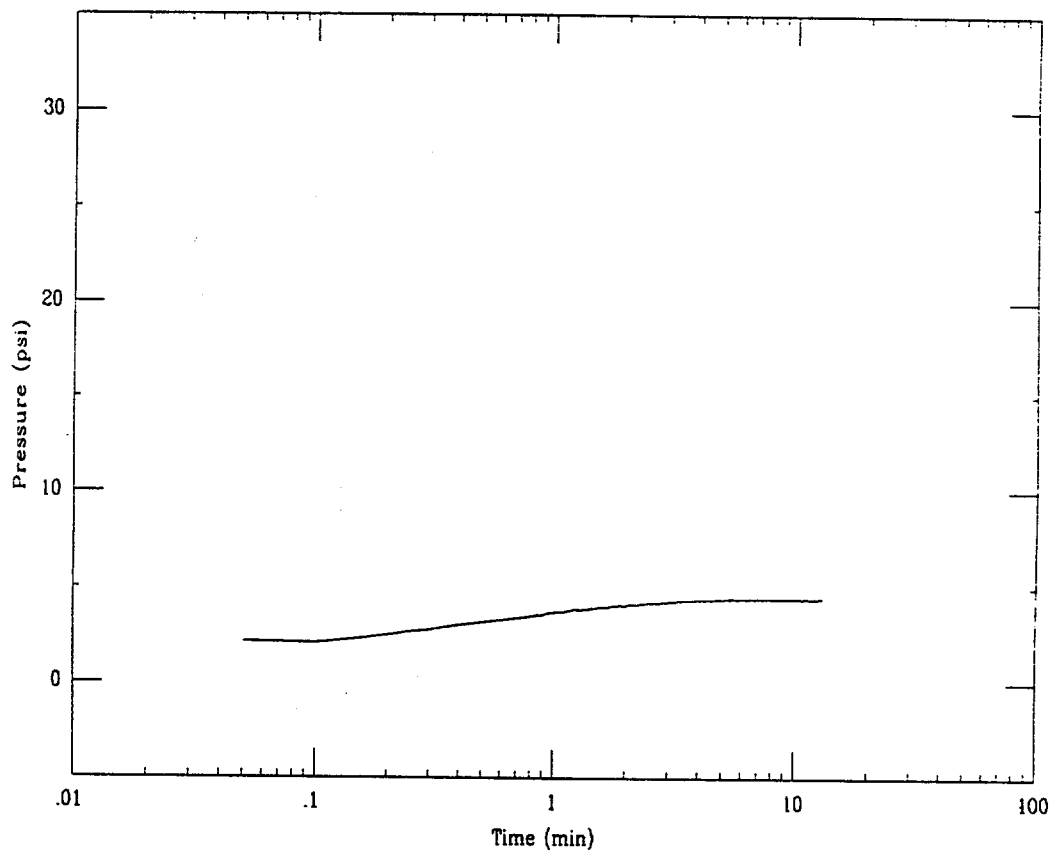
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	98.0	176.8	9.8	9.86								
	106.1	168.7	13.3	212.09	112.70	572.2	2.0	1144.44	6.35	1.11E-02	7.13E-02	8.86E-07

CPT-20R

Applied Research Associates

06/22/00

Depth = 76.0 ft Max Pressure = 4.48 psi $P_n = 4.45$ psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-20R

Test Date : 6/22/00

Northing : 80211.3 (ft)

Easting : 55570.4 (ft)

Surface Elevation : 266.9 (ft)

Water Table Elevation : 201.1 (ft)

Probe Diameter : 1.75 (in)

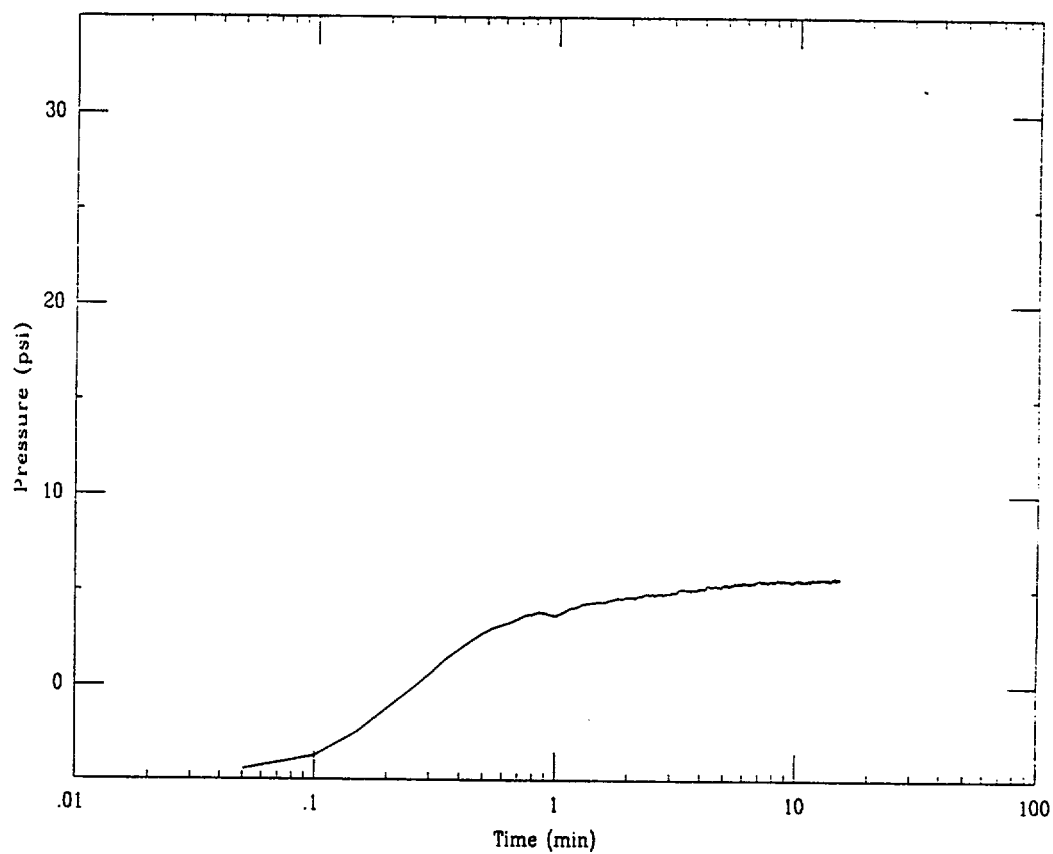
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	76.0	190.9	4.4	4.48								

CPT-21

Applied Research Associates

06/12/00

Depth = 110.1 ft Max Pressure = 5.71 psi Pn = 5.63 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-21

Test Date : 6/12/00

Northing : 80148.4 (ft)

Easting : 55060.1 (ft)

Surface Elevation : 295.4 (ft)

Water Table Elevation : 198.4 (ft)

Probe Diameter : 1.75 (in)

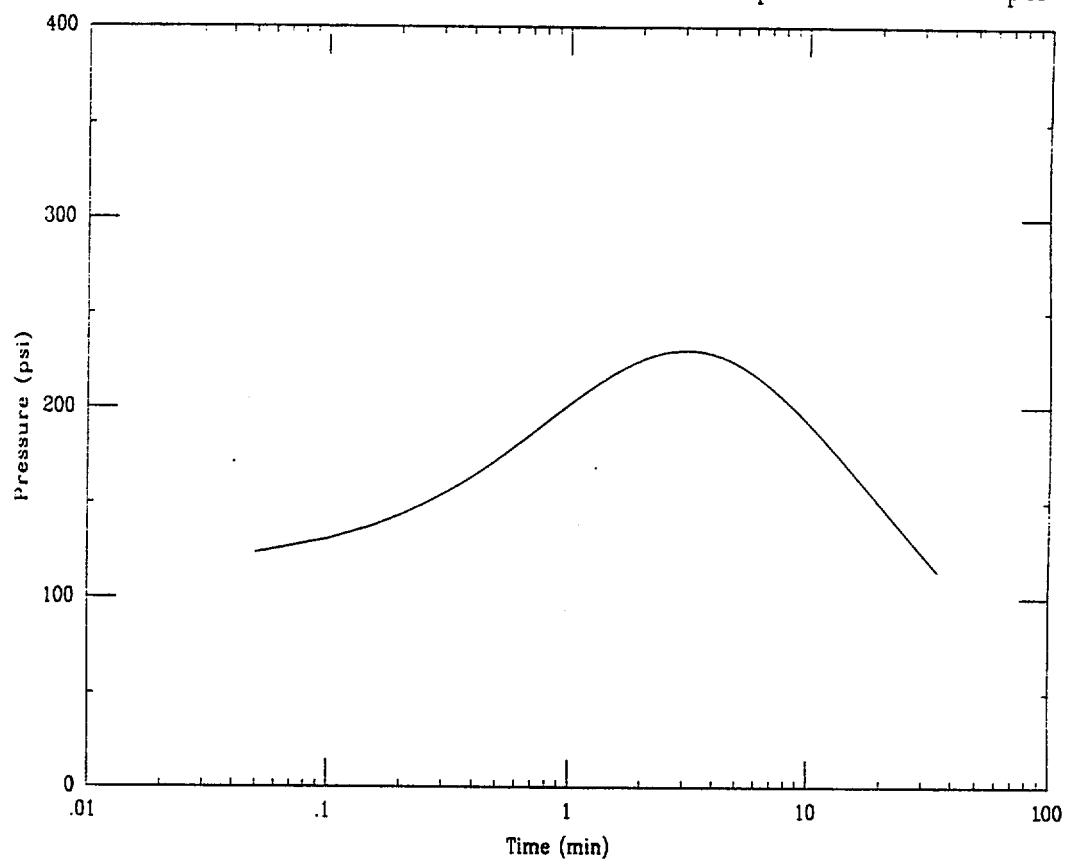
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (ln2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	110.1	185.3	5.7	5.71								

CPT-22

Applied Research Associates

06/12/00

Depth = 104.4 ft Max Pressure = 230.32 psi Pn = 114.27 psi

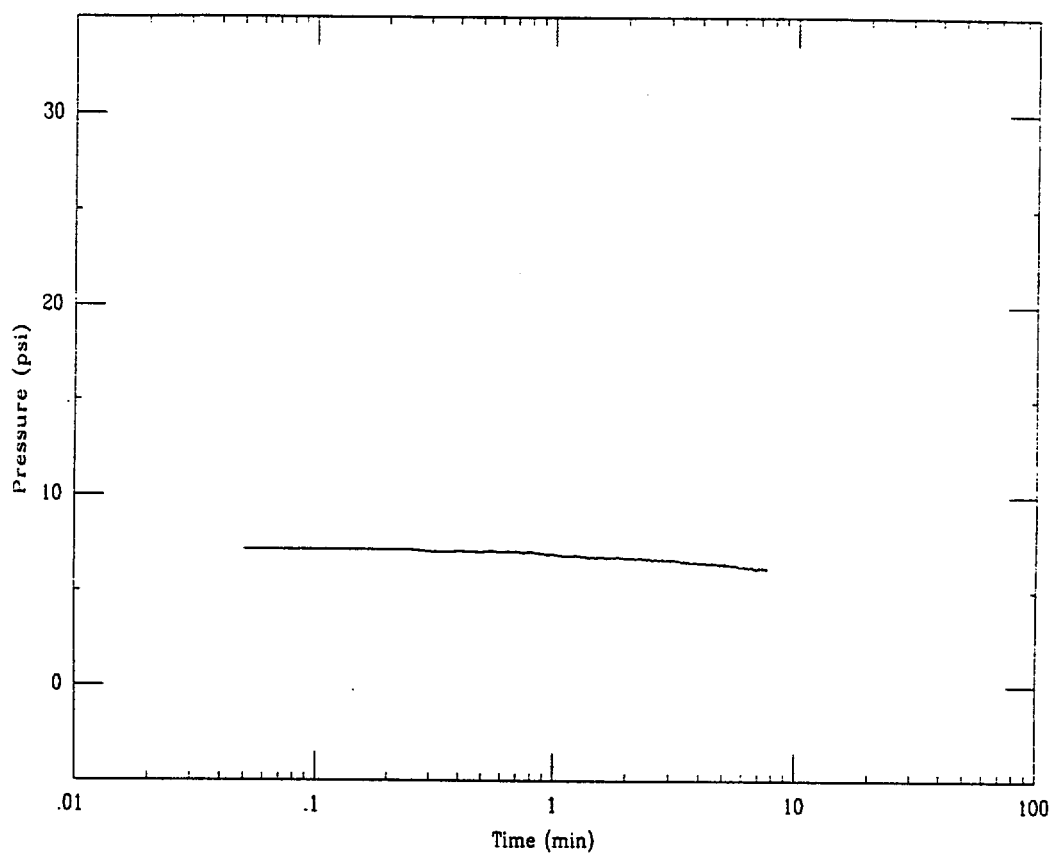


CPT-22

Applied Research Associates

06/12/00

Depth = 114.6 ft Max Pressure = 7.16 psi Pn = 6.20 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-22

Test Date : 6/12/00

Northing : 80143.8 (ft)

Easting : 55221.9 (ft)

Surface Elevation : 297.3 (ft)

Water Table Elevation : 197.3 (ft)

Probe Diameter : 1.75 (in)

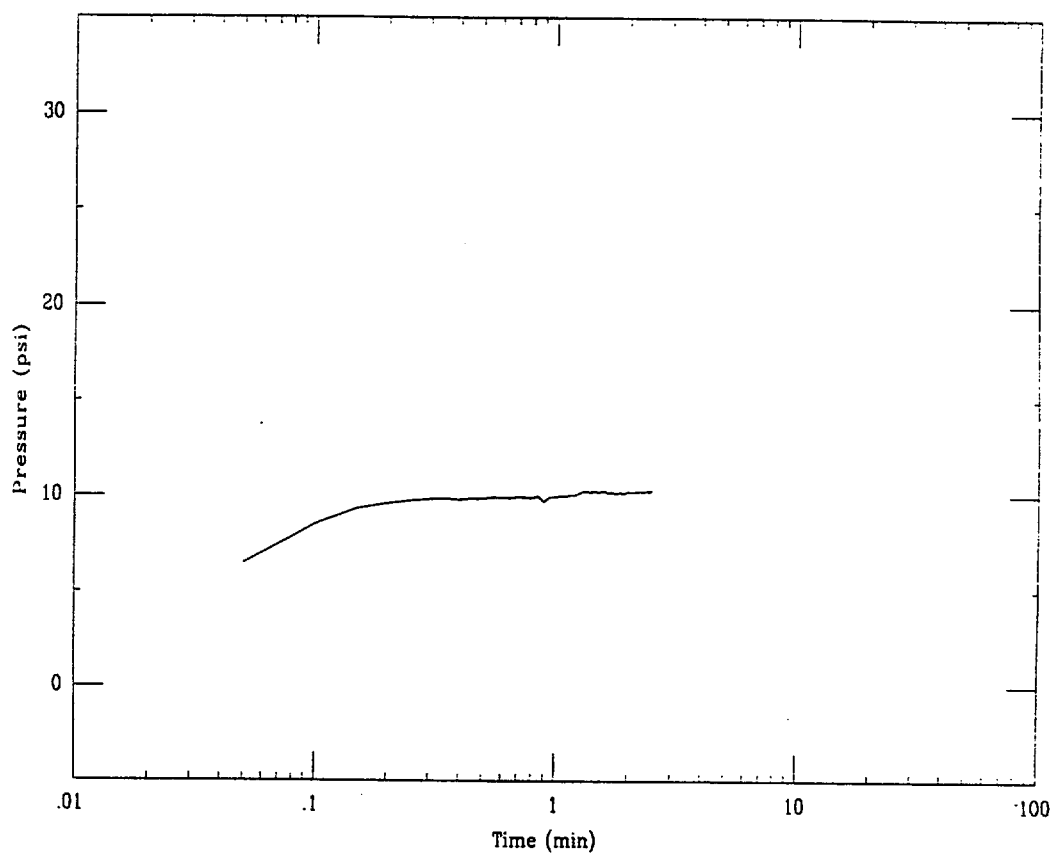
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	104.4	192.9	1.9	230.32	116.11	748.6	1.5	1122.92	33.78	2.08E-03	1.34E-02	1.70E-07
	114.6	182.7	6.3	7.16	6.74	1266.7	1.0	1266.67	2.20	3.19E-02	2.06E-01	2.31E-06

CPT-23S

Applied Research Associates

06/06/00

Depth = 92.9 ft Max Pressure = 10.29 psi Pn = 10.23 psi

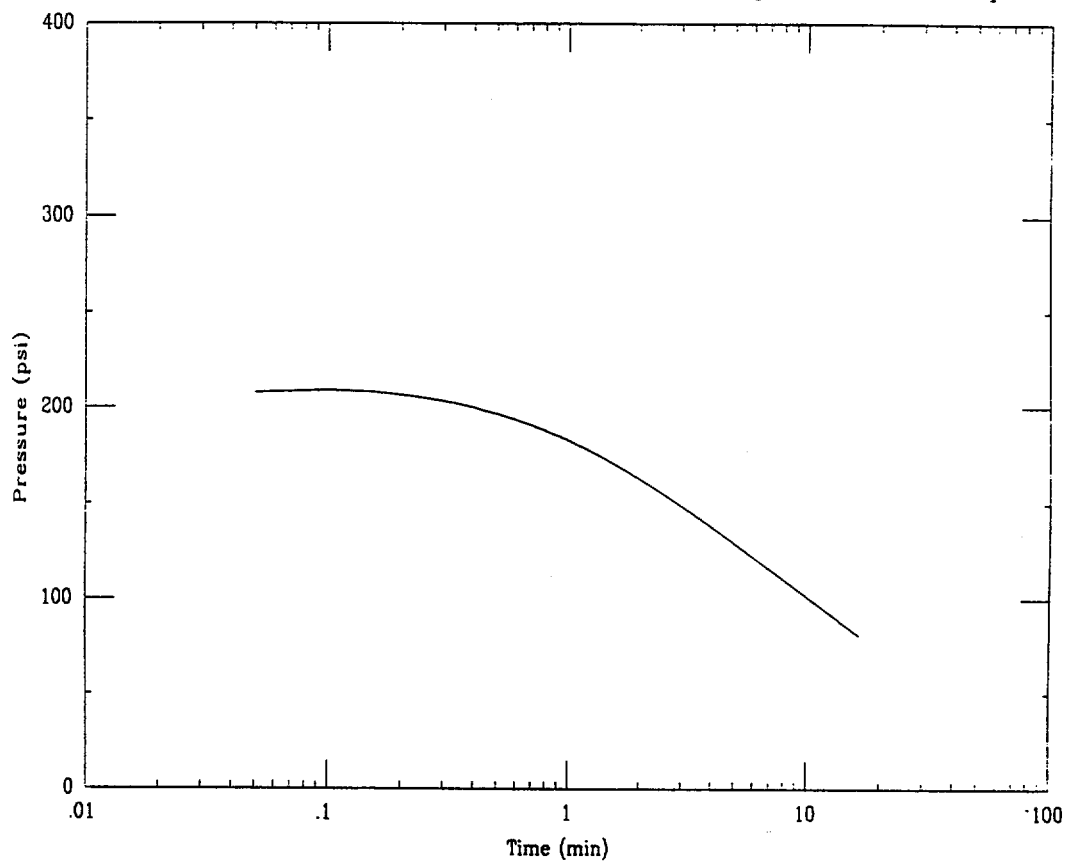


CPT-23S

Applied Research Associates

06/06/00

Depth = 104.6 ft Max Pressure = 209.11 psi Pn = 81.63 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-23S

Test Date : 6/6/00

Northing : 80088.9 (ft)

Easting : 55379.4 (ft)

Surface Elevation : 277.3 (ft)

Water Table Elevation : 207.9 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	92.9	184.4	10.2	10.29								
	104.6	172.7	15.3	209.11	112.18	431.9	2.0	863.89	7.75	9.06E-03	5.84E-02	9.61E-07

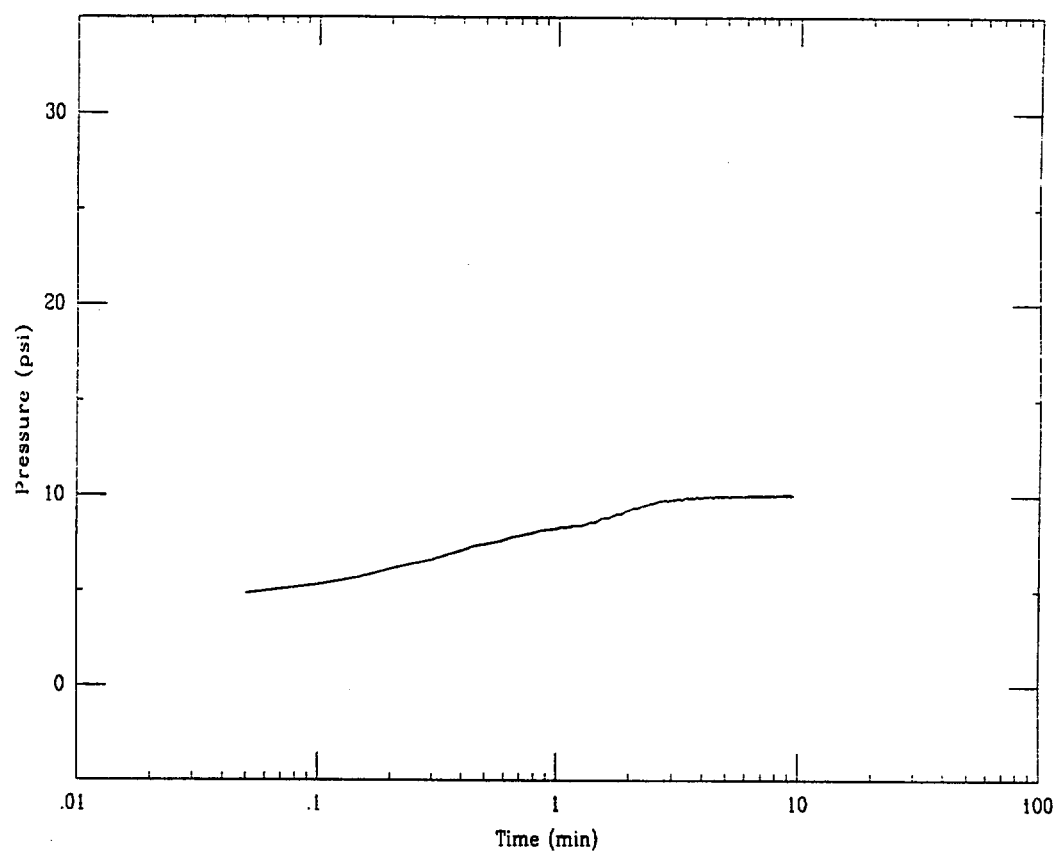
DCS, MFFF Project No. 08716

CPT-24A

Applied Research Associates

06/10/00

Depth = 102.0 ft Max Pressure = 10.11 psi Pn = 10.07 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-24A

Test Date : 6/10/00

Northing : 80115.0 (ft)

Easting : 55548.5 (ft)

Surface Elevation : 272.6 (ft)

Water Table Elevation : 193.8 (ft)

Probe Diameter : 1.75 (in)

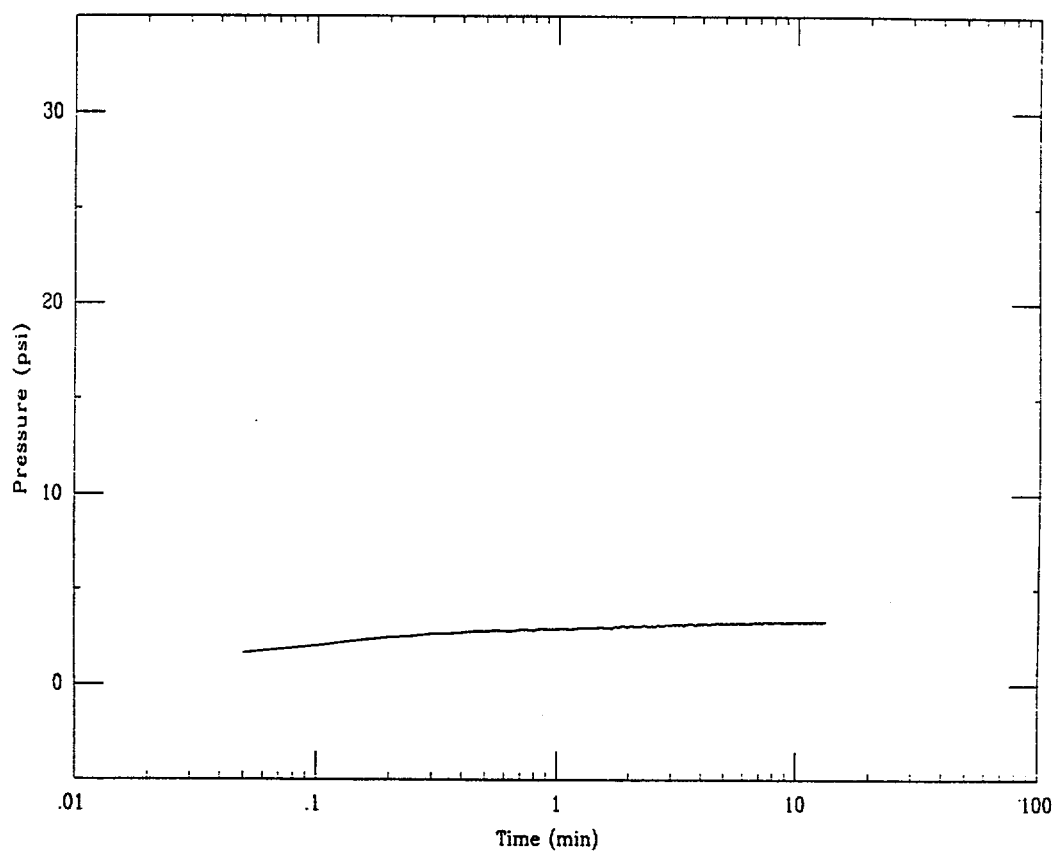
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	102.0	170.6	10.1	10.11								

CPT-25

Applied Research Associates

06/12/00

Depth = 76.4 ft Max Pressure = 3.33 psi Pn = 3.28 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-25

Test Date : 6/12/00

Northing : 80104.7 (ft)

Easting : 55621.7 (ft)

Surface Elevation : 268.9 (ft)

Water Table Elevation : 200.1 (ft)

Probe Diameter : 1.75 (in)

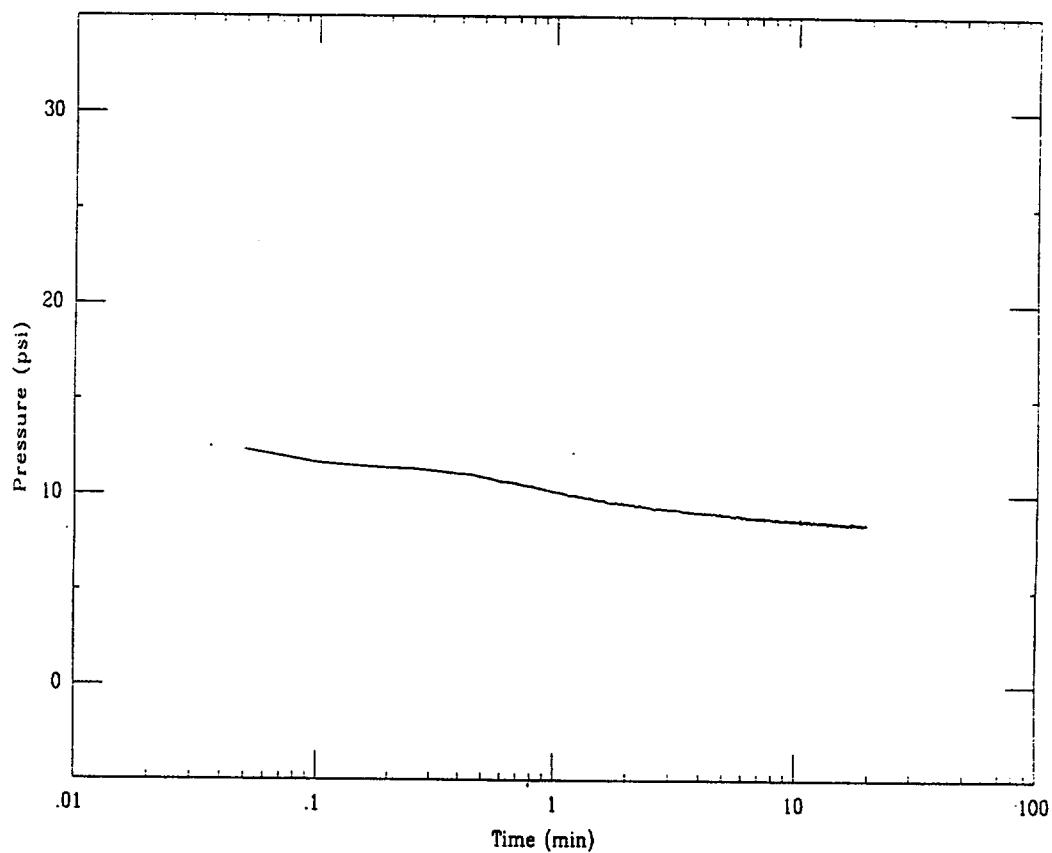
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	76.4	192.5	3.3	3.33								

CPT-26S

Applied Research Associates

06/06/00

Depth = 85.1 ft Max Pressure = 12.33 psi Pn = 8.50 psi

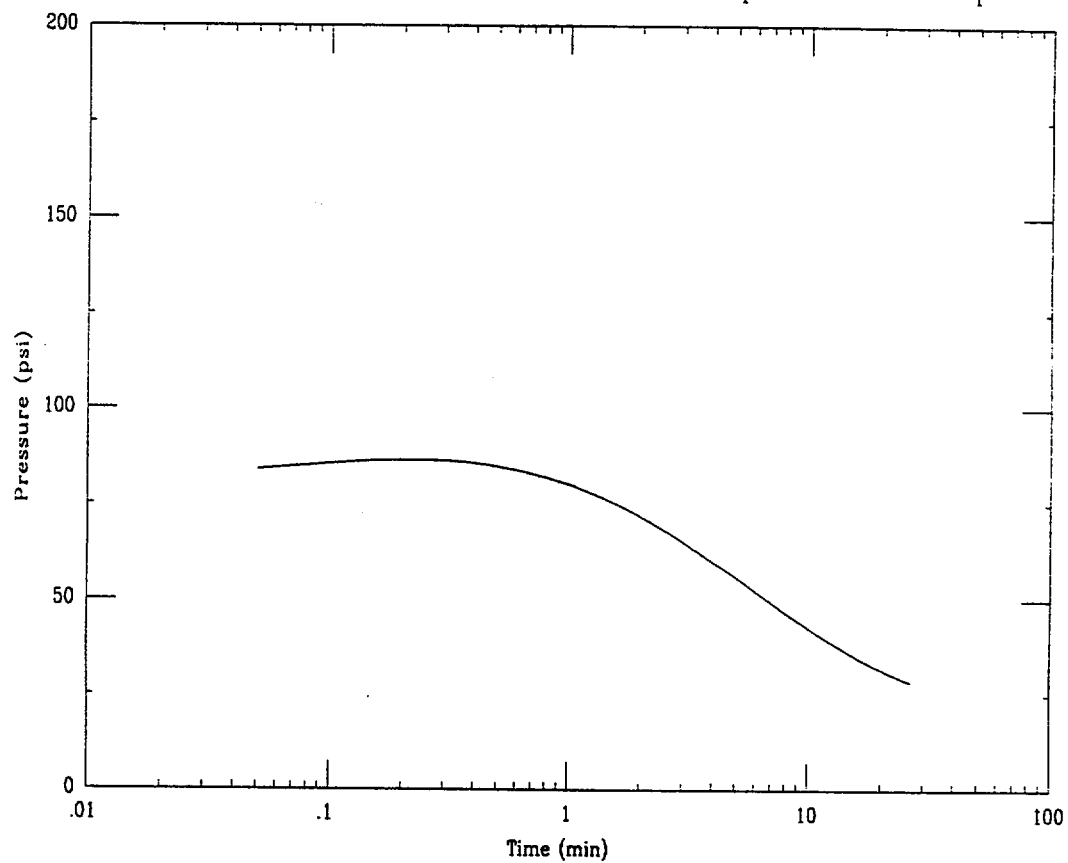


CPT-26S

Applied Research Associates

06/06/00

Depth = 112.7 ft Max Pressure = 86.37 psi Pn = 28.62 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-26S

Test Date : 6/6/00

Northing : 80116.2 (ft)

Easting : 55726.7 (ft)

Surface Elevation : 261.9 (ft)

Water Table Elevation : 196.4 (ft)

Probe Diameter : 1.75 (in)

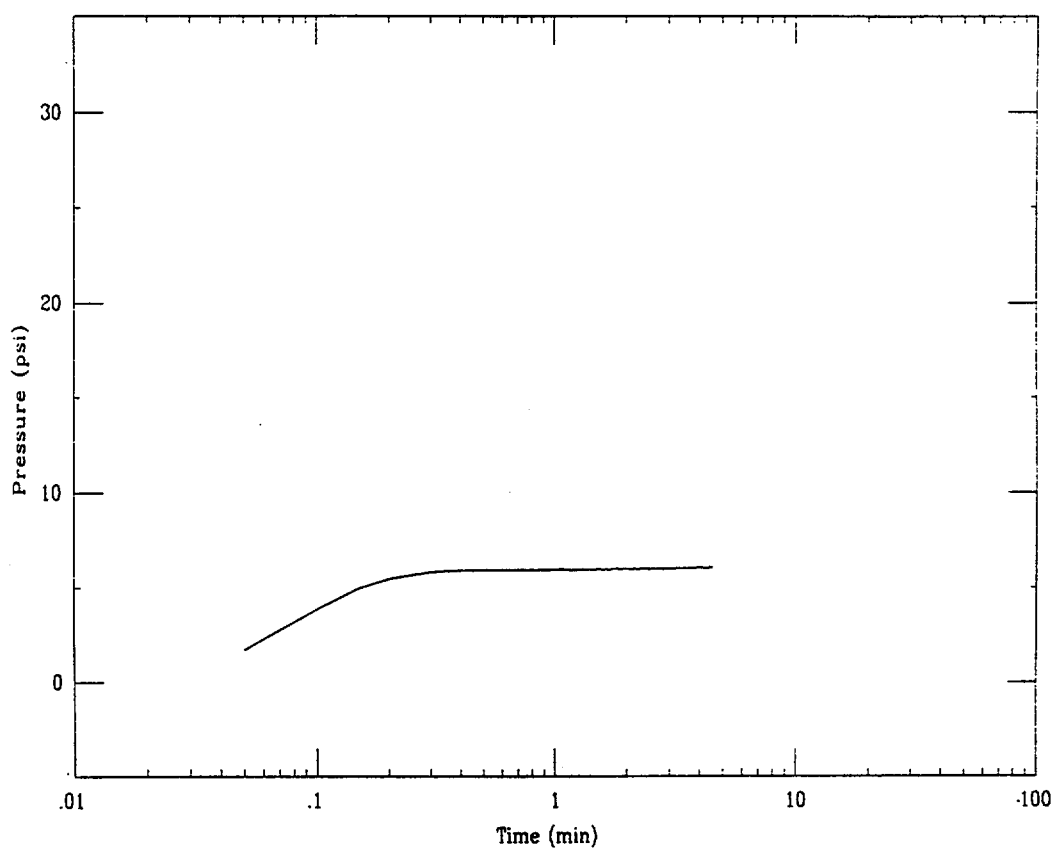
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	85.1	176.8	8.5	12.33	10.41	3234.7	1.0	3234.72	0.80	8.77E-02	5.66E-01	2.49E-06
	112.7	149.2	20.5	86.37	53.41	244.4	3.0	733.33	5.76	1.22E-02	7.86E-02	1.52E-06

CPT-27R

Applied Research Associates

06/22/00

Depth = 86.0 ft Max Pressure = 6.11 psi Pn = 6.11 psi

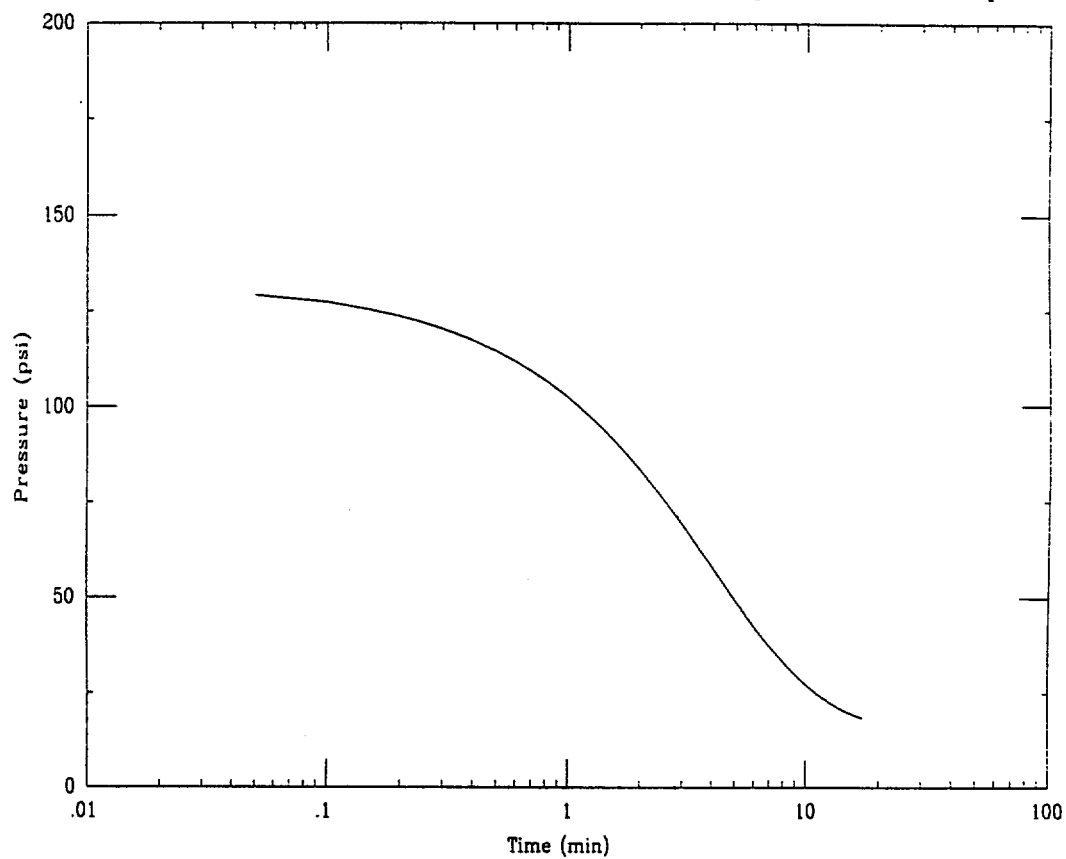


CPT-27R

Applied Research Associates

06/22/00

Depth = 104.5 ft Max Pressure = 129.09 psi Pn = 18.30 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-27R

Test Date : 6/22/00

Northing : 80001.4 (ft)

Easting : 55254.2 (ft)

Surface Elevation : 277.5 (ft)

Water Table Elevation : 205.5 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	86.0	191.5	6.1	6.11								
	104.5	173.0	14.1	129.09	71.59	197.2	3.0	591.67	2.80	2.51E-02	1.62E-01	3.89E-06

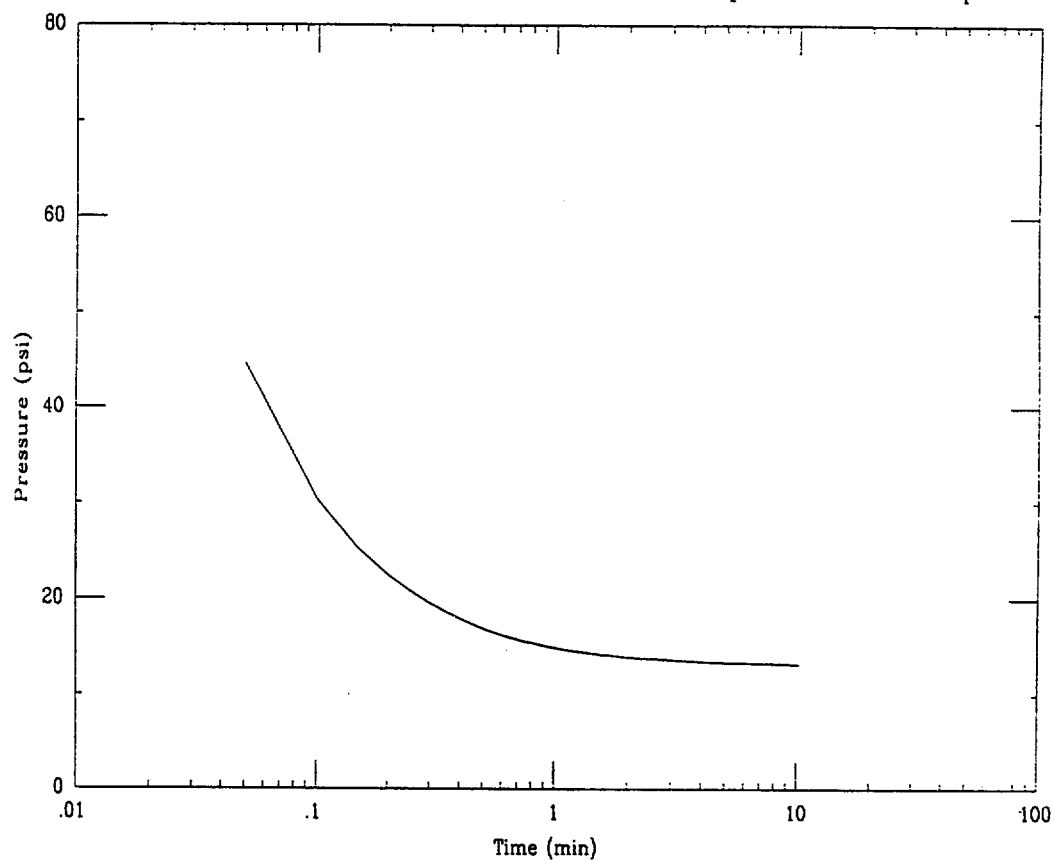
DCS, MEFF Project No. 08716

CPT-28S

Applied Research Associates

05/31/00

Depth = 107.0 ft Max Pressure = 44.70 psi Pn = 13.26 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-28S

Test Date : 5/31/00

Northing : 80001.8 (ft)

Easting : 55332.0 (ft)

Surface Elevation : 279.2 (ft)

Water Table Elevation : 202.7 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in ² /s)	Coefficient Lateral Consolidation (cm ² /sec)	Coefficient Lateral Permeability (cm/s)
	107.0	172.2	13.2	44.70	28.96	1073.6	1.0	1073.61	0.10	7.02E-01	4.53E+00	6.00E-05

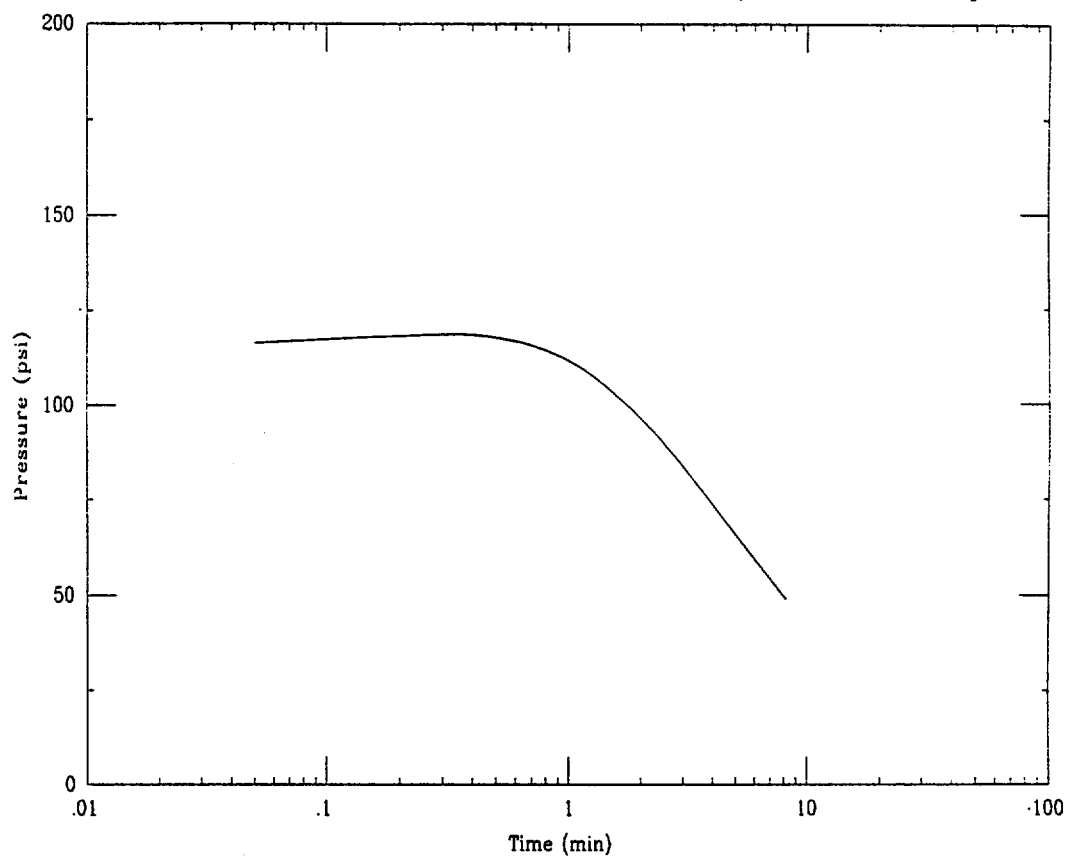
DCS, MFFF Project No. 08716

CPT-29R

Applied Research Associates

06/13/00

Depth = 66.8 ft Max Pressure = 118.62 psi Pn = 49.85 psi

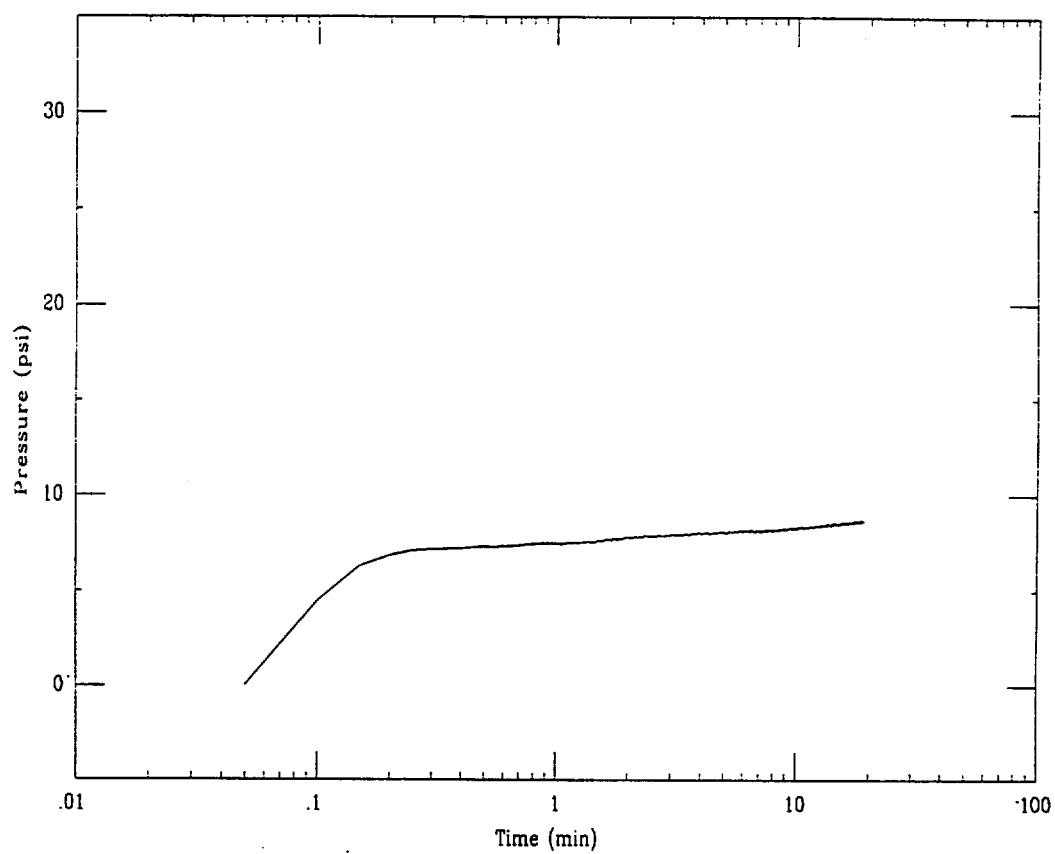


CPT-29R

Applied Research Associates

06/13/00

Depth = 89.1 ft Max Pressure = 8.74 psi Pn = 8.68 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-29R

Test Date : 6/13/00

Northing : 79985.8 (ft)

Eastng : 55422.4 (ft)

Surface Elevation : 276.4 (ft)

Water Table Elevation : 207.9 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	66.8	209.6	-0.7									
Soil Dilation	89.1	187.3	8.9	8.74								

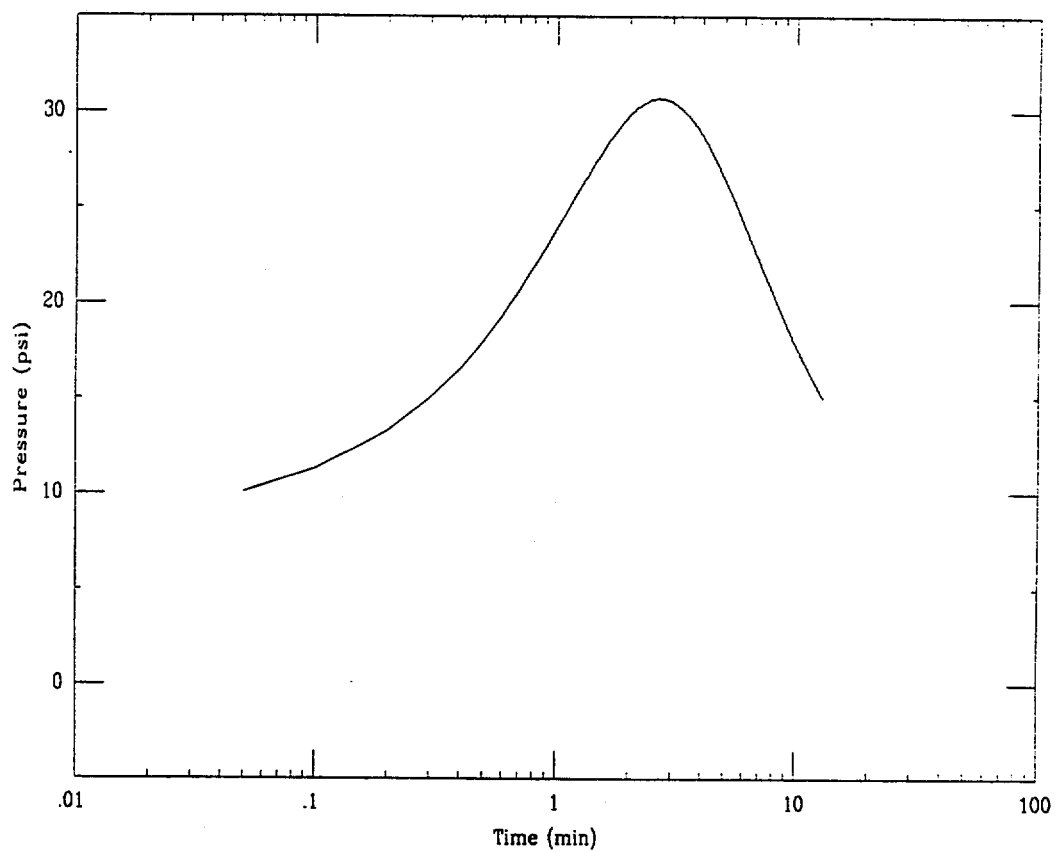
DCS, MFFF Project No. 08716

CPT-30R

Applied Research Associates

06/14/00

Depth = 60.8 ft Max Pressure = 30.74 psi $P_n = 15.17$ psi

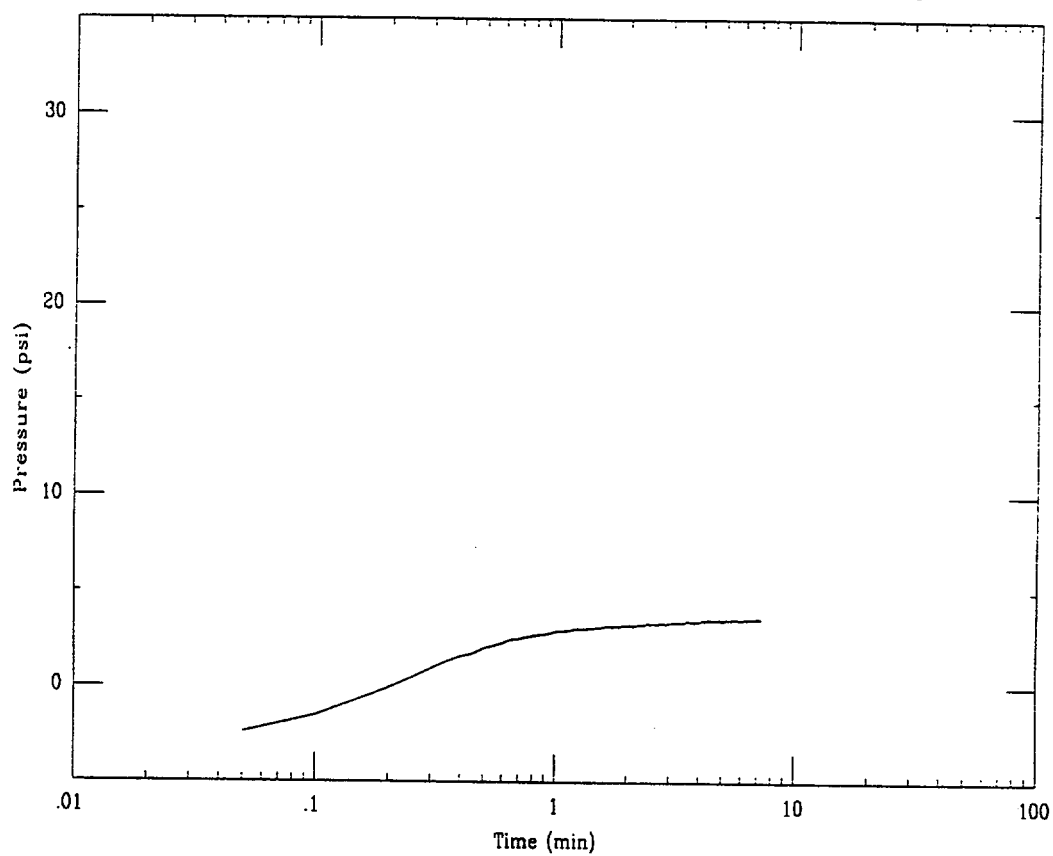


CPT-30R

Applied Research Associates

06/14/00

Depth = 79.3 ft Max Pressure = 3.63 psi $P_n = 3.59$ psi

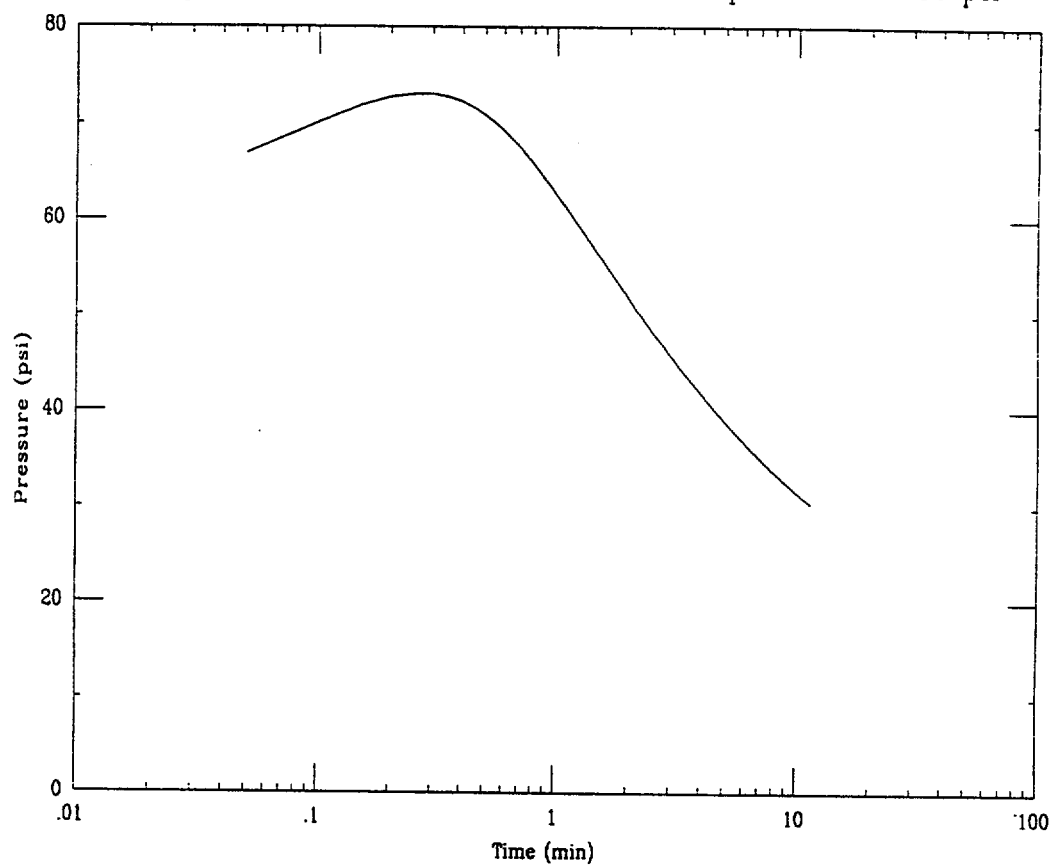


CPT-30R

Applied Research Associates

06/14/00

Depth = 125.3 ft Max Pressure = 73.07 psi Pn = 30.56 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-30R

Test Date : 6/14/00

Northing : 79973.4 (ft)

Easting : 55538.3 (ft)

Surface Elevation : 274.2 (ft)

Water Table Elevation : 203.2 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	60.8	213.4	-4.4									
Soil Dilatation	79.3	194.9	3.6	3.63								
	125.3	148.9	23.5	73.07	48.30	183.3	3.0	550.00	2.55	2.75E-02	1.78E-01	4.59E-06

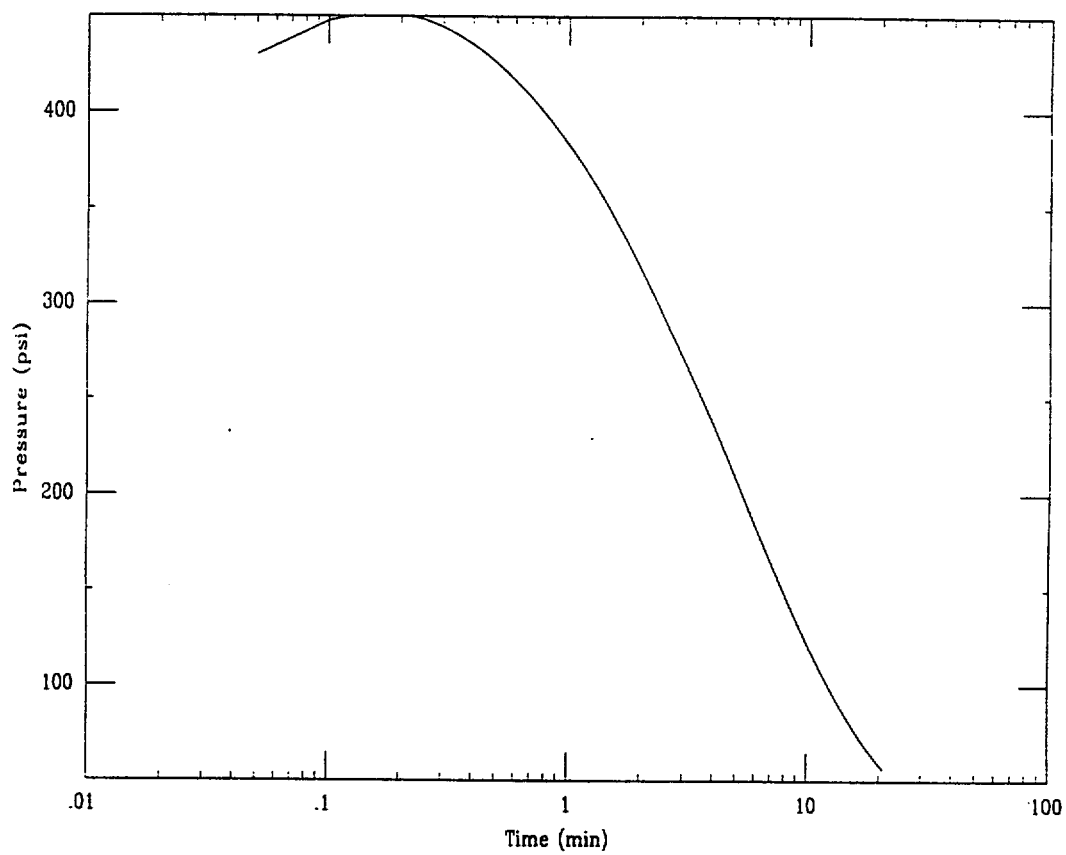
DCS, MFFF Project No. 08716

CPT-31S

Applied Research Associates

06/01/00

Depth = 126.1 ft Max Pressure = 451.84 psi Pn = 56.98 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-31S

Test Date : 6/1/00

Northing : 79977.3 (ft)

Easting : 55610.3 (ft)

Surface Elevation : 271.7 (ft)

Water Table Elevation : 204.7 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	126.1	145.6	25.6	451.84	238.73	1800.0	1.0	1800.00	3.95	1.78E-02	1.15E-01	9.05E-07

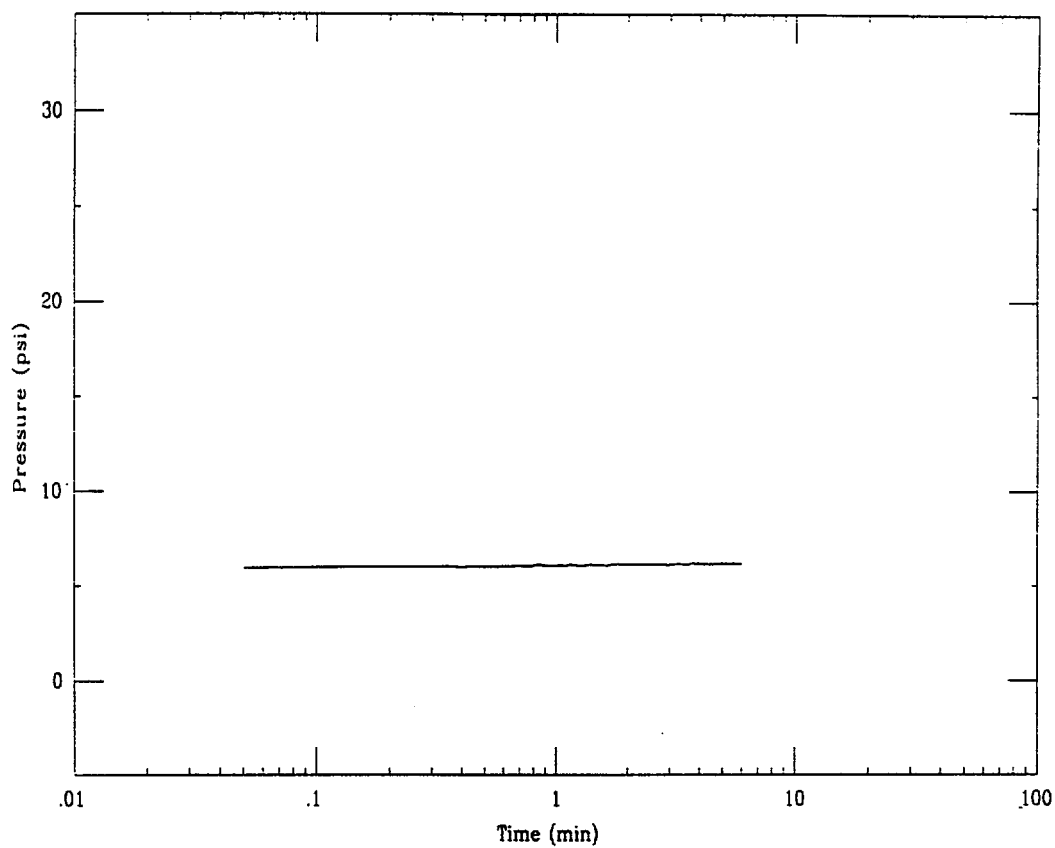
DCS, MEFF Project No. 08716

CPT-32R

Applied Research Associates

06/24/00

Depth = 78.0 ft Max Pressure = 6.21 psi Pn = 6.17 psi

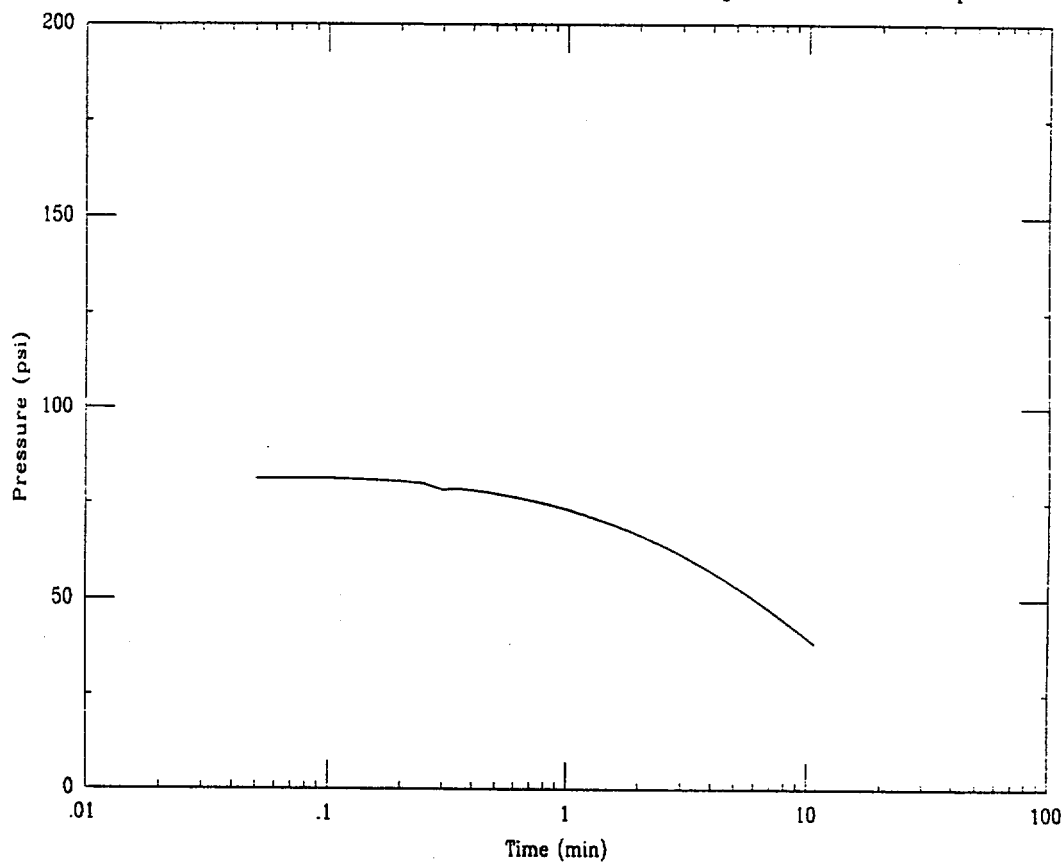


CPT-32R

Applied Research Associates

06/24/00

Depth = 82.6 ft Max Pressure = 81.44 psi Pn = 38.96 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-32R

Test Date : 6/24/00

Northing : 80005.4 (ft)

Easting : 55755.6 (ft)

Surface Elevation : 264.7 (ft)

Water Table Elevation : 200.9 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Immediate dissip.	78.0	186.7	6.2	6.21								
	82.6	182.1	8.1	81.44	44.79	161.1	3.0	483.33	7.95	8.83E-03	5.70E-02	1.68E-06

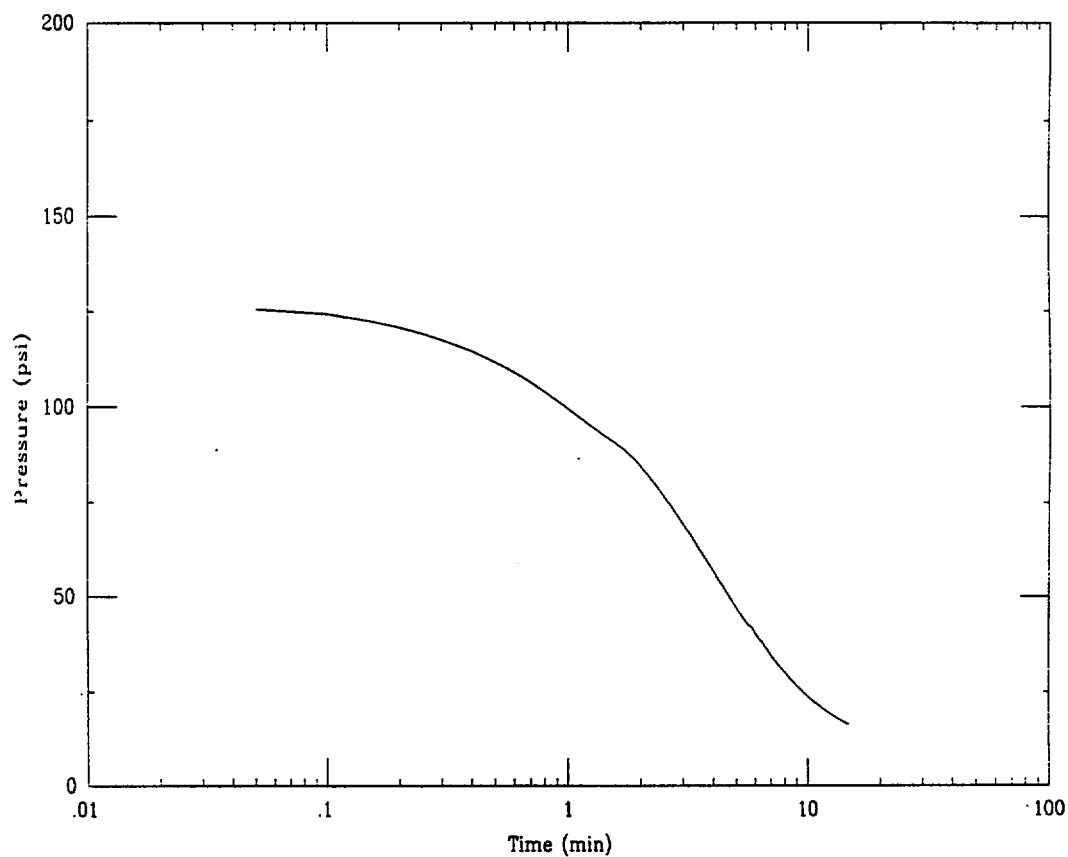
DCS, MFFF Project No. 08716

CPT-33R

Applied Research Associates

06/13/00

Depth = 81.0 ft Max Pressure = 125.53 psi Pn = 16.63 psi

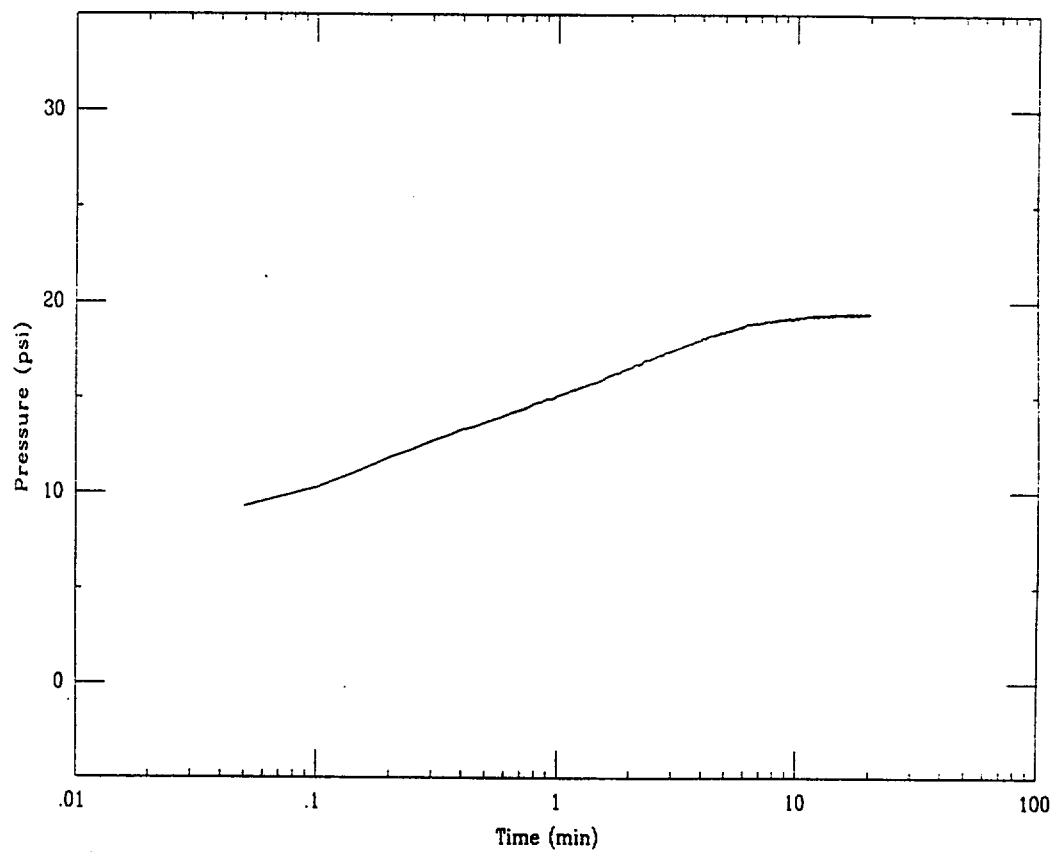


CPT-33R

Applied Research Associates

06/13/00

Depth = 116.2 ft Max Pressure = 19.46 psi Pn = 19.39 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-33R

Test Date : 6/13/00

Northing : 79842.0 (ft)

Easting : 54922.7 (ft)

Surface Elevation : 274.6 (ft)

Water Table Elevation : 203.0 (ft)

Probe Diameter : 1.75 (in)

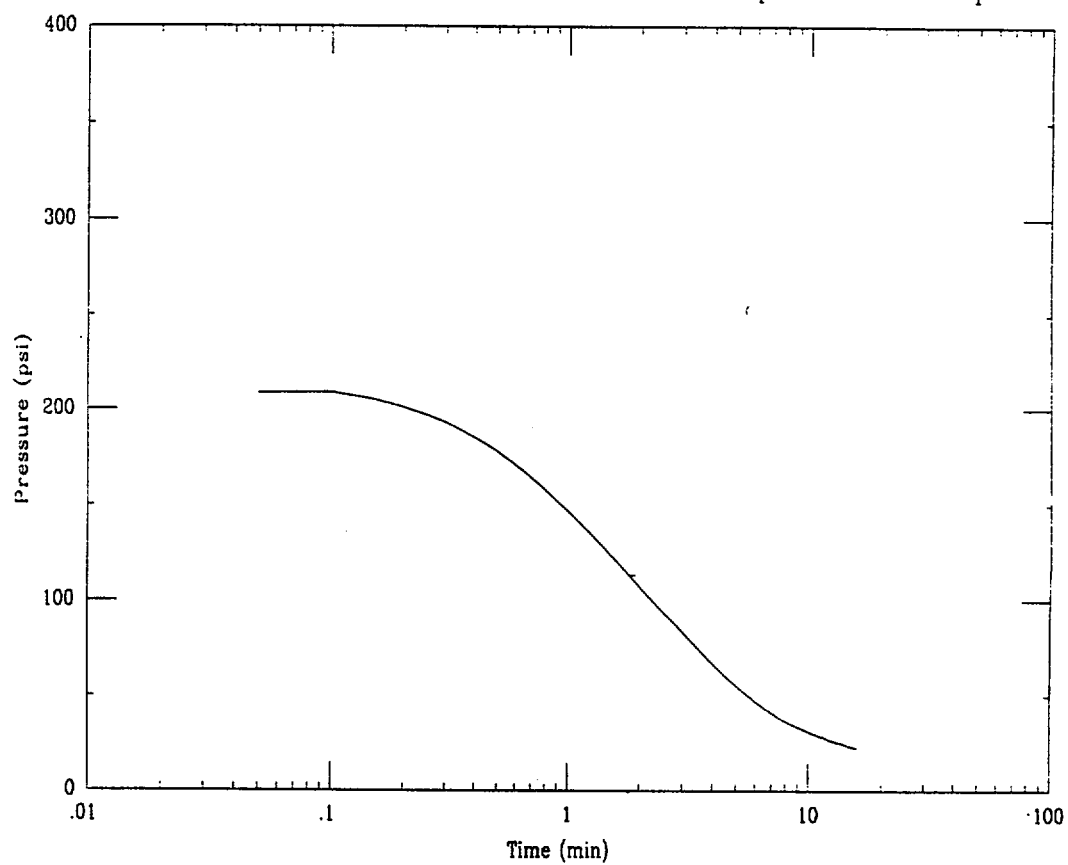
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in ² /s)	Coefficient Lateral Consolidation (cm ² /sec)	Coefficient Lateral Permeability (cm/s)
	81.0	193.6	4.1	125.30	64.69	262.5	3.0	787.50	3.35	2.09E-02	1.35E-01	2.44E-06
Soil Dilatation	116.2	158.4	19.3	19.46								

CPT-34S

Applied Research Associates

06/07/00

Depth = 111.8 ft Max Pressure = 209.14 psi Pn = 20.2 psi

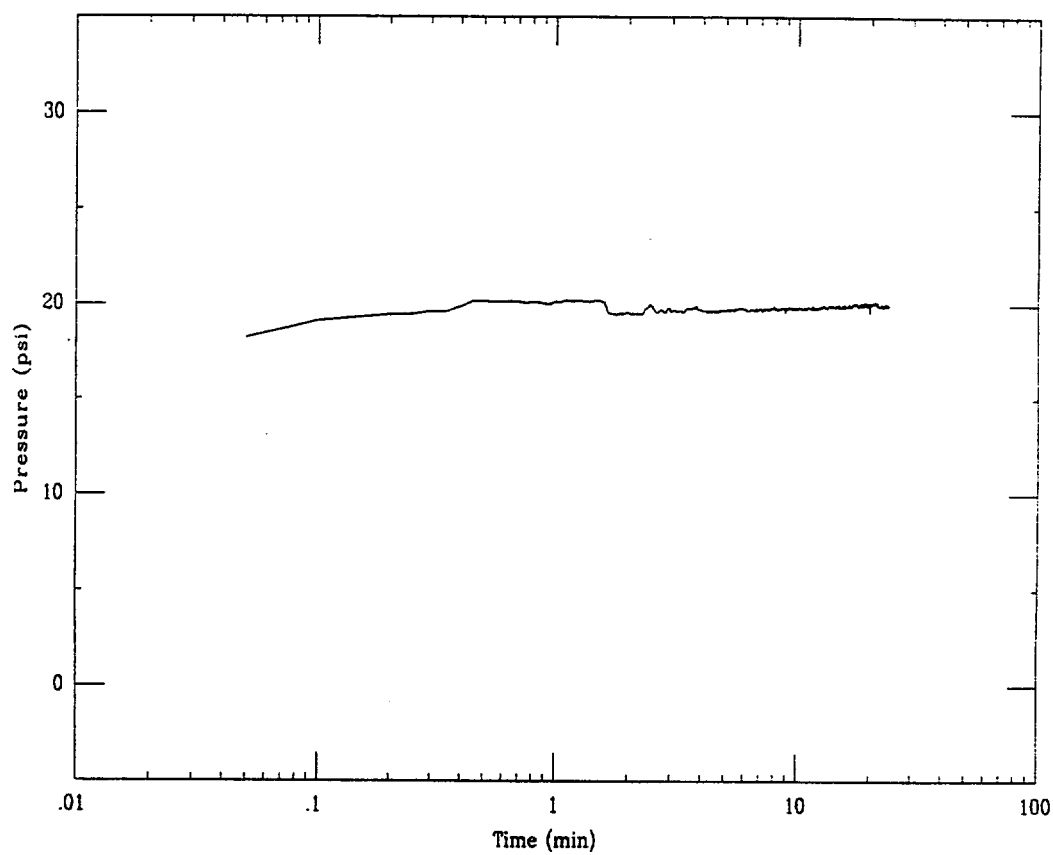


CPT-34S

Applied Research Associates

06/07/00

Depth = 118.2 ft Max Pressure = 20.21 psi Pn = 20.21 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-34S

Test Date : 6/7/00

Northing : 79826.9 (ft)

Easting : 55323.2 (ft)

Surface Elevation : 270.8 (ft)

Water Table Elevation : 198.8 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	111.8	159.0	17.2	209.14	113.19	718.1	1.5	1077.08	1.75	4.01E-02	2.59E-01	3.42E-06
Soil Dilation	118.2	152.6	20.0	20.21								

DCS, MFFF Project No. 08716

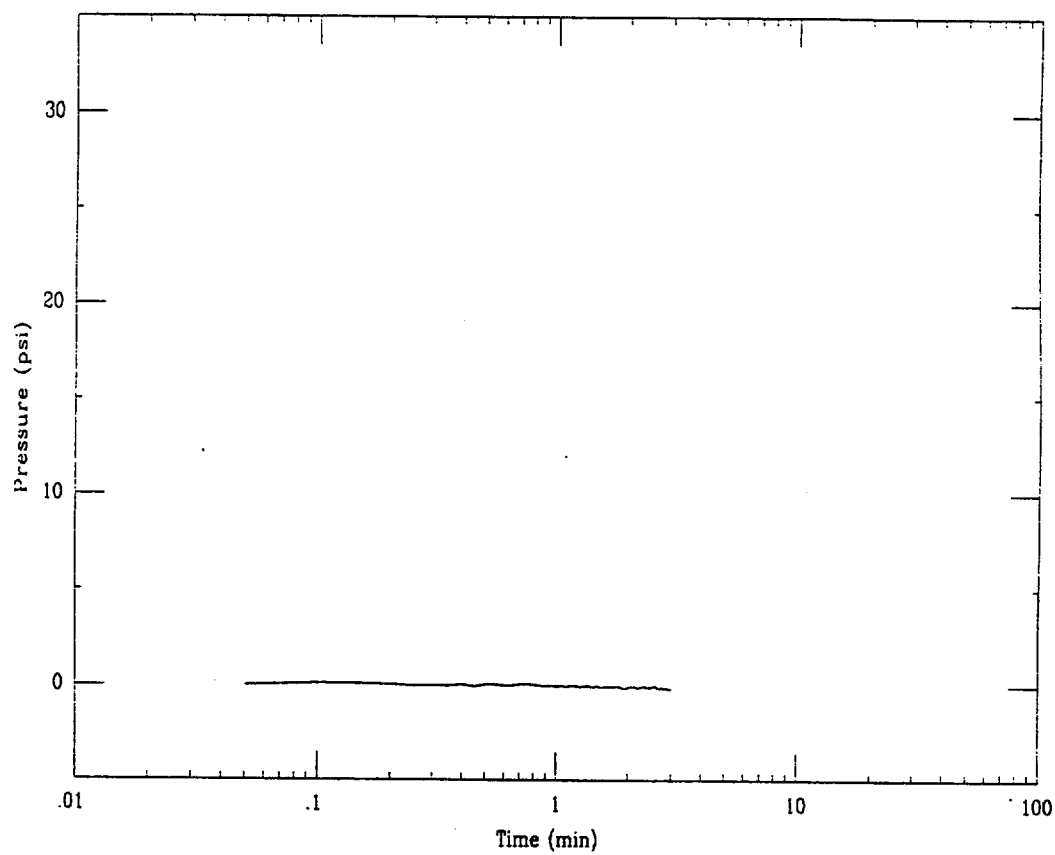
395

CPT-35S

Applied Research Associates

06/03/00

Depth = 24.8 ft Max Pressure = 0.10 psi Pn = -0.12 psi

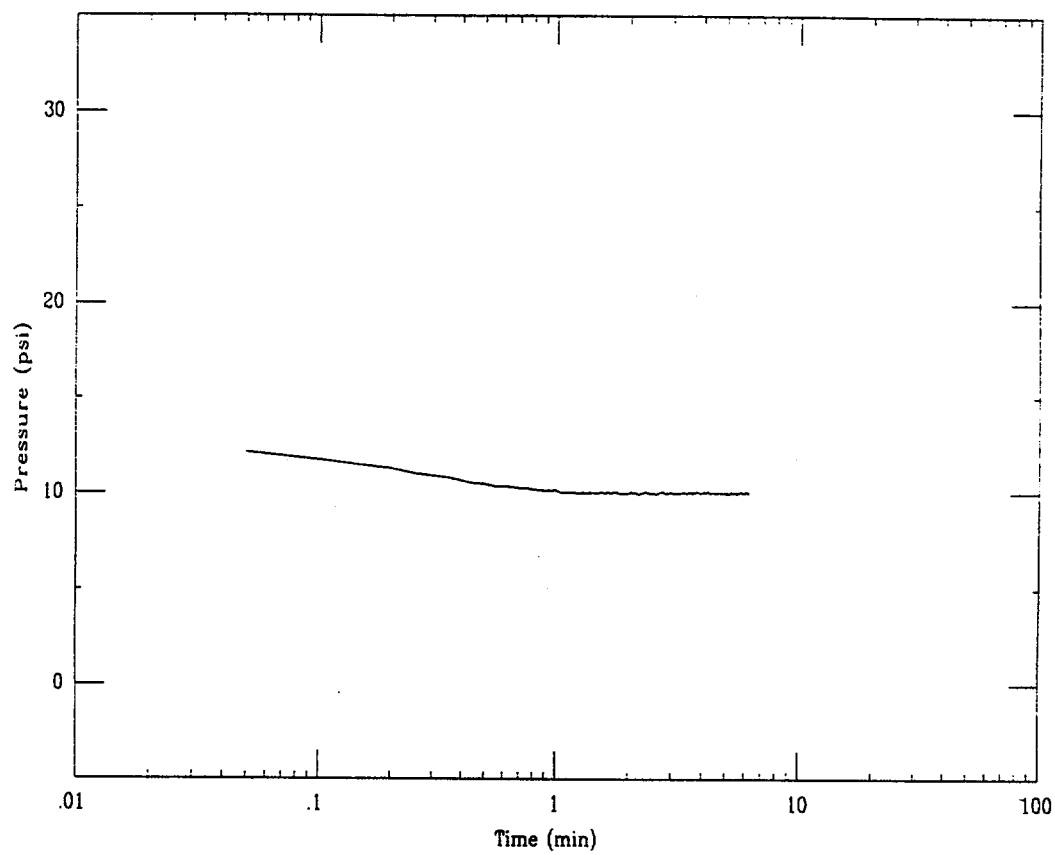


CPT-35S

Applied Research Associates

06/03/00

Depth = 94.9 ft Max Pressure = 12.15 psi Pn = 10.05 psi

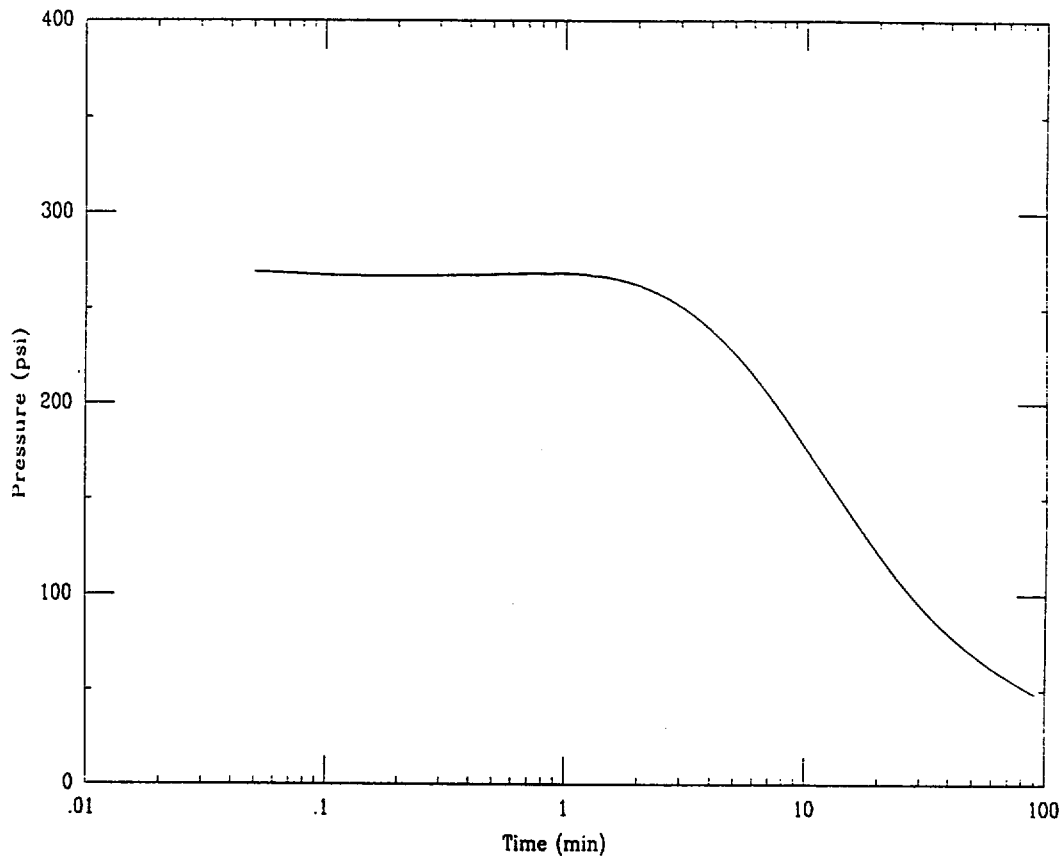


CPT-35S

Applied Research Associates

06/03/00

Depth = 141.0 ft Max Pressure = 268.92 psi Pn = 48.28 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-35S

Test Date : 6/3/00

Northing : 79888.6 (ft)

Easting : 55389.0 (ft)

Surface Elevation : 272.6 (ft)

Water Table Elevation : 200.8 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in ² /s)	Coefficient Lateral Consolidation (cm ² /sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	24.8	247.8	-20.4									
	94.9	177.7	10.0	12.15	11.08	1901.4	1.0	1901.39	0.10	7.02E-01	4.53E+00	3.39E-05
	141.0	131.6	30.0	268.92	149.45	980.6	1.0	980.56	14.11	4.97E-03	3.21E-02	4.65E-07

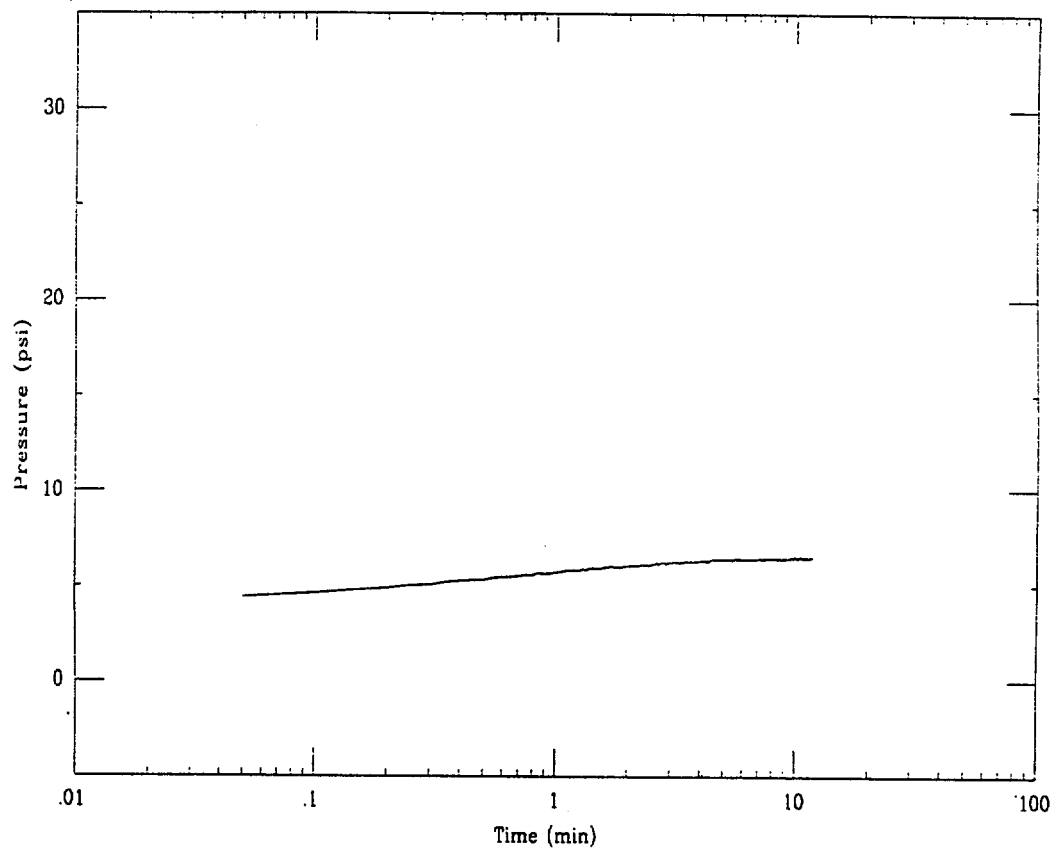
DCS, MEEF Project No. 08716

CPT-36R

Applied Research Associates

06/13/00

Depth = 84.5 ft Max Pressure = 6.53 psi Pn = 6.47 psi

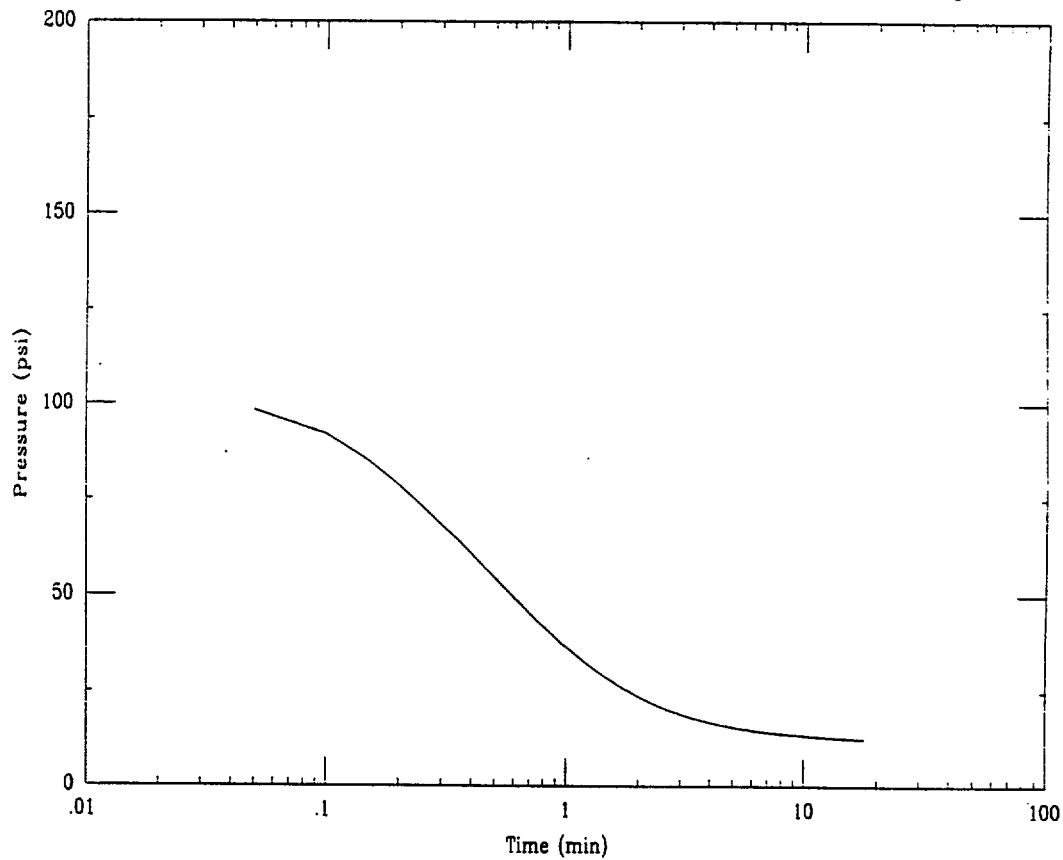


CPT-36R

Applied Research Associates

06/13/00

Depth = 97.9 ft Max Pressure = 98.32 psi Pn = 12.49 psi

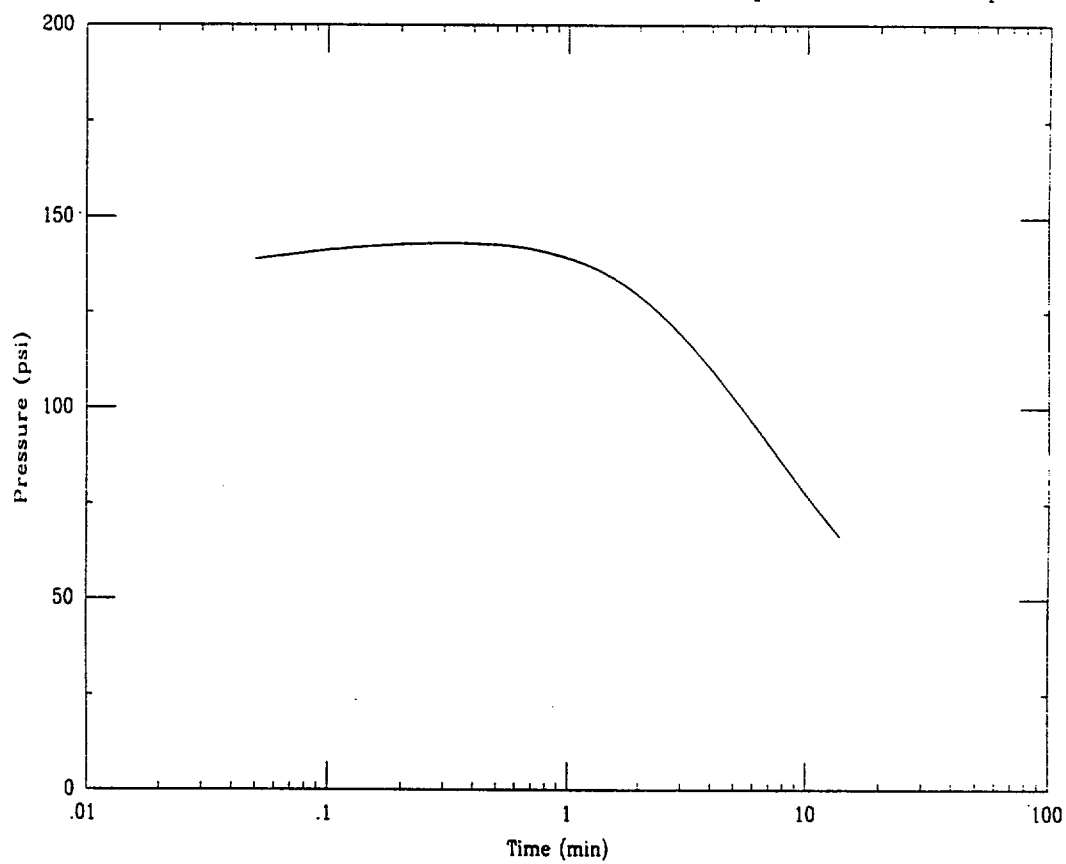


CPT-36R

Applied Research Associates

06/13/00

Depth = 119.9 ft Max Pressure = 143.15 psi Pn = 67.09 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-36R

Test Date : 6/13/00

Northing : 79898.9 (ft)

Easting : 55478.3 (ft)

Surface Elevation : 273.4 (ft)

Water Table Elevation : 203.9 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	84.5	188.9	6.5	6.53								
	97.9	175.5	12.3	98.32	55.31	213.9	3.0	641.67	0.50	1.40E-01	9.06E-01	2.01E-05
	119.9	153.5	21.8	143.15	82.50	262.5	3.0	787.50	8.76	8.01E-03	5.17E-02	9.33E-07

Project : Duke Cogema Stone & Webster

Test Id : CPT-37S

Test Date : 6/5/00

Northing : 79886.1 (ft)

Easting : 55629.4 (ft)

Surface Elevation : 268.4 (ft)

Water Table Elevation : 201.4 (ft)

Probe Diameter : 1.75 (in)

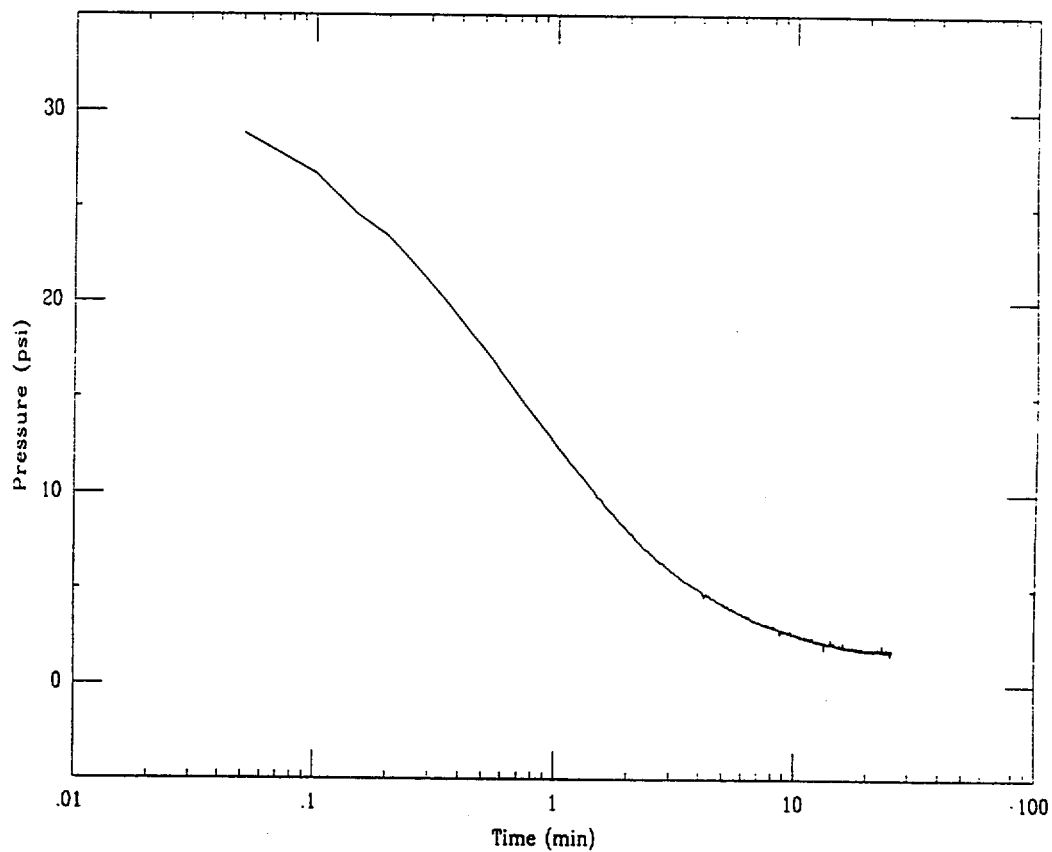
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	66.6	201.8	-0.2									
t 50% not reached	124.0	144.4	24.7	89.38	57.04							

CPT-37S

Applied Research Associates

06/05/00

Depth = 66.6 ft Max Pressure = 28.82 psi $P_n = 1.78$ psi

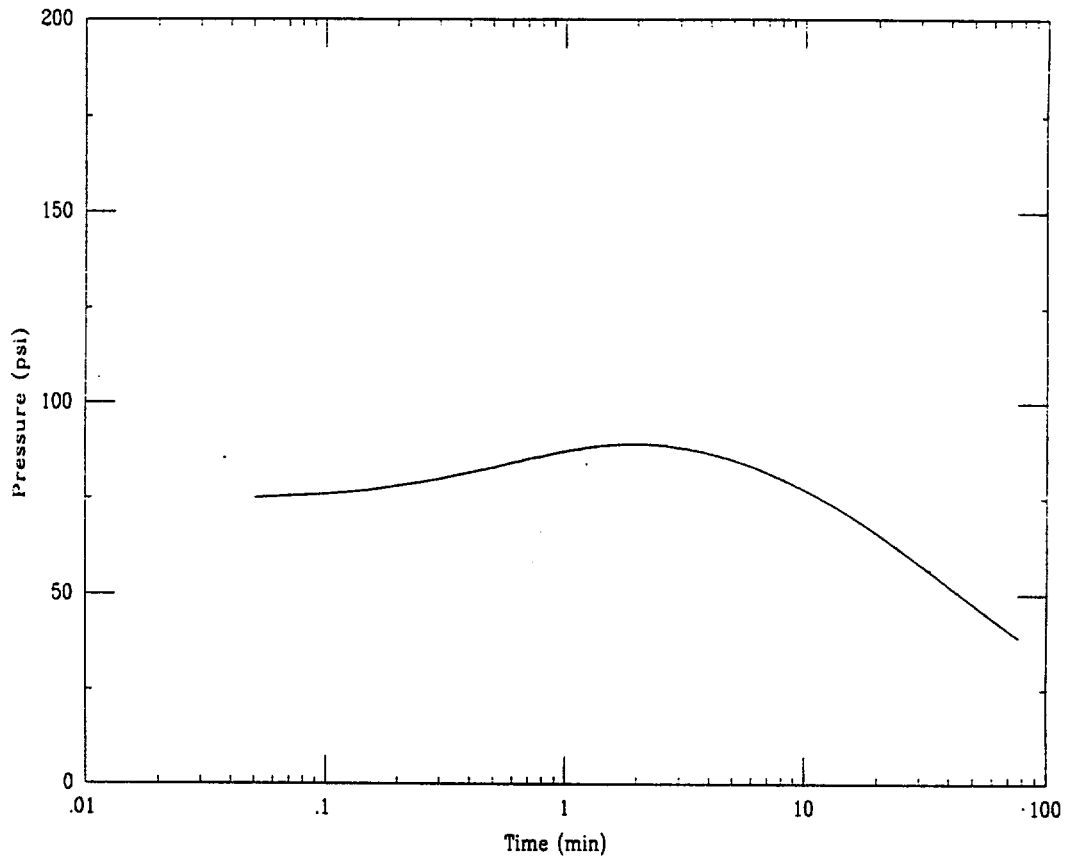


CPT-37S

Applied Research Associates

06/05/00

Depth = 124.0 ft Max Pressure = 89.38 psi Pn = 38.76 psi

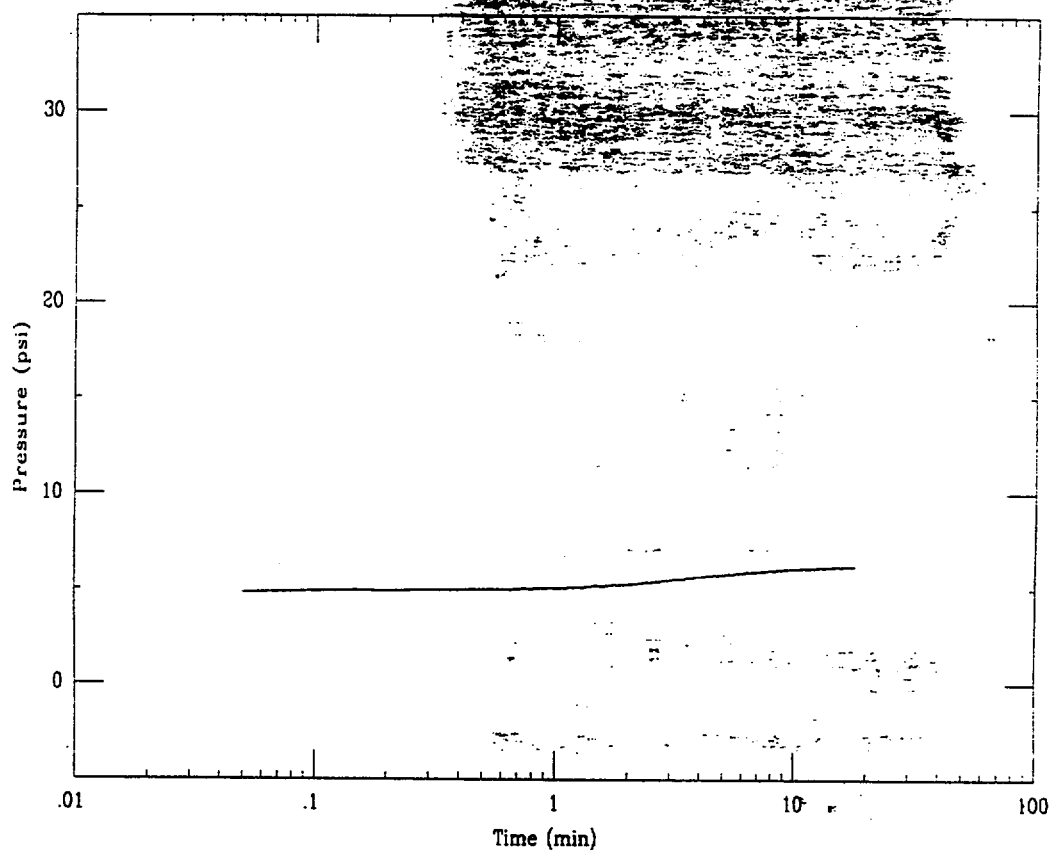


CPT-38R

Applied Research Associates

06/23/00

Depth = 81.7 ft Max Pressure = 6.23 psi P_n = 6.20 psi

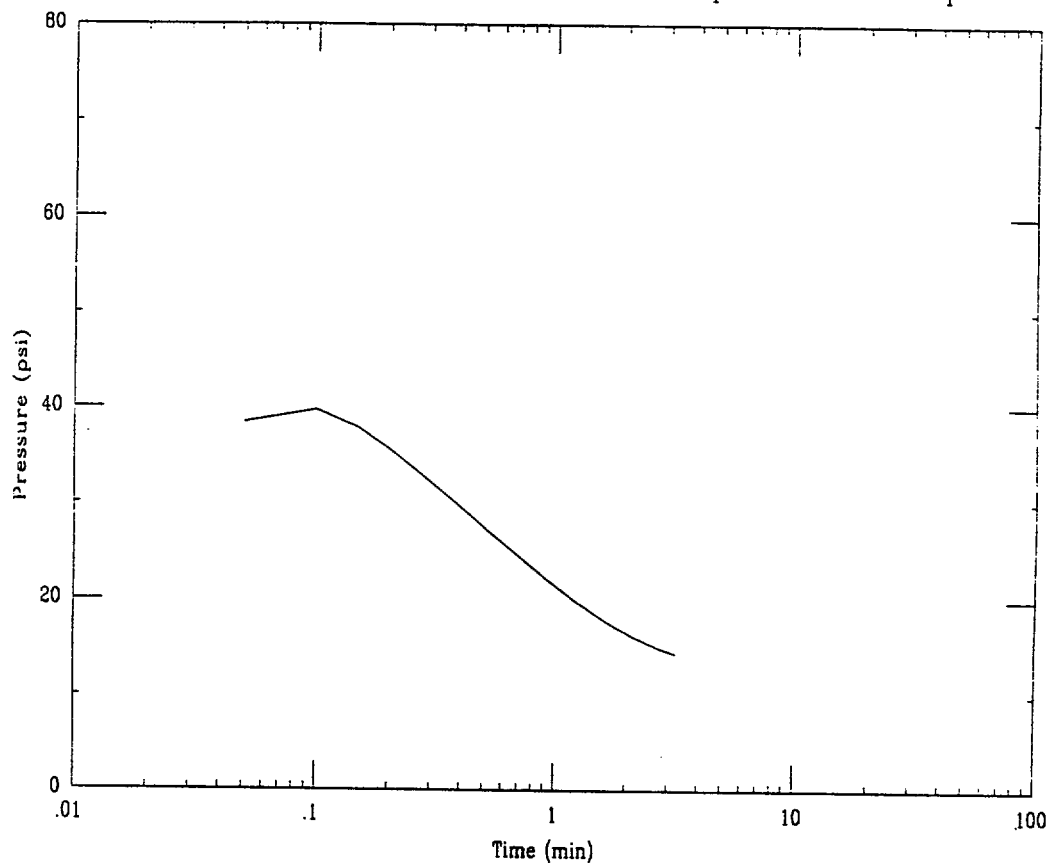


CPT-38R

Applied Research Associates

06/23/00

Depth = 93.5 ft Max Pressure = 39.74 psi $P_n = 14.73$ psi

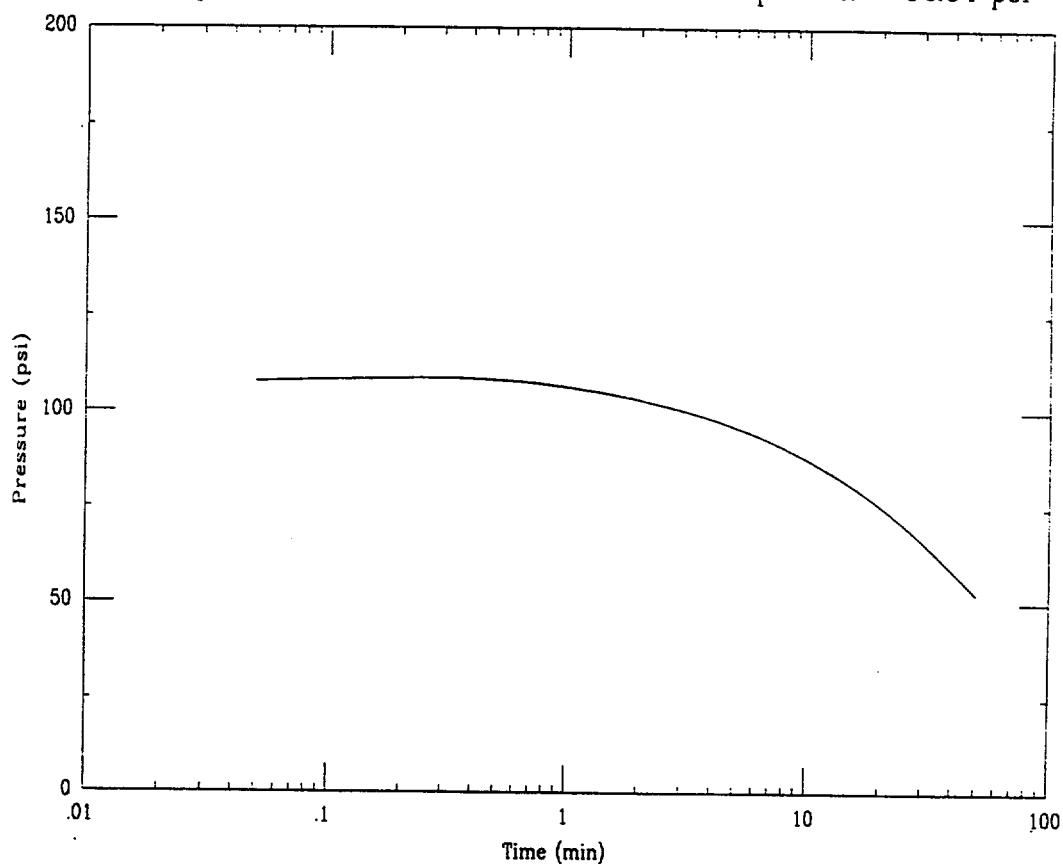


CPT-38R

Applied Research Associates

06/23/00

Depth = 121.8 ft Max Pressure = 108.65 psi Pn = 52.54 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-38R

Test Date : 6/23/00

Northing : 79899.9 (ft)

Easting : 55568.6 (ft)

Surface Elevation : 271.3 (ft)

Water Table Elevation : 203.9 (ft)

Probe Diameter : 1.75 (in)

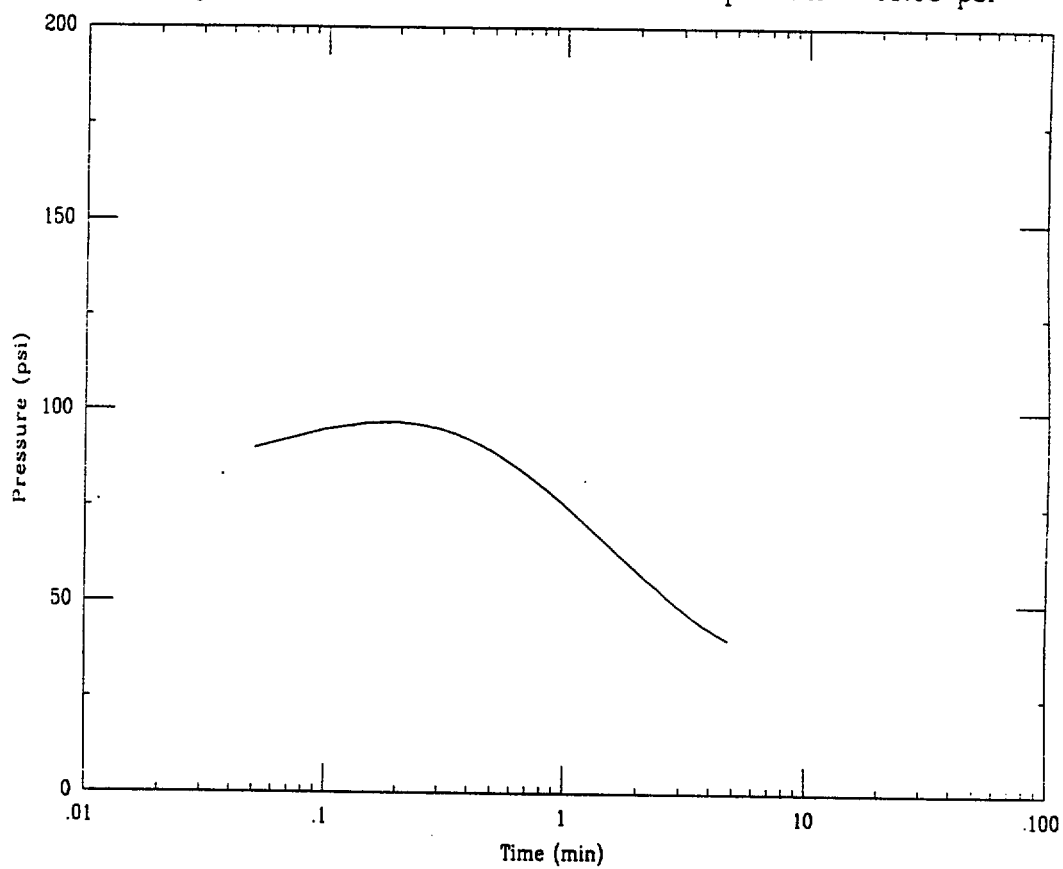
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	81.7	189.6	6.2	6.23								
	93.5	177.8	11.3	39.74	25.53	115.3	3.0	345.83	0.65	1.08E-01	6.97E-01	2.86E-05
	121.8	149.5	23.6	108.65	66.11	243.1	3.0	729.17	30.38	2.31E-03	1.49E-02	2.91E-07

CPT-39R

Applied Research Associates

06/24/00

Depth = 56.2 ft Max Pressure = 96.80 psi Pn = 41.05 psi

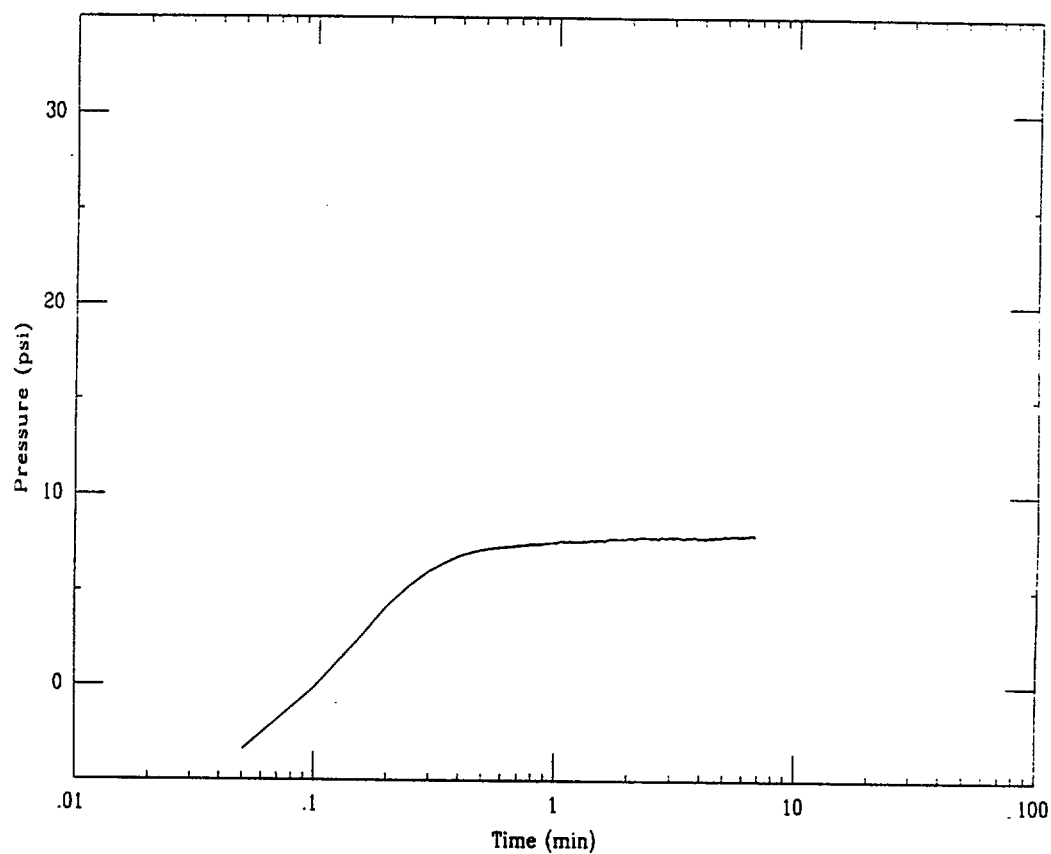


CPT-39R

Applied Research Associates

06/24/00

Depth = 82.1 ft Max Pressure = 7.95 psi Pn = 7.93 psi

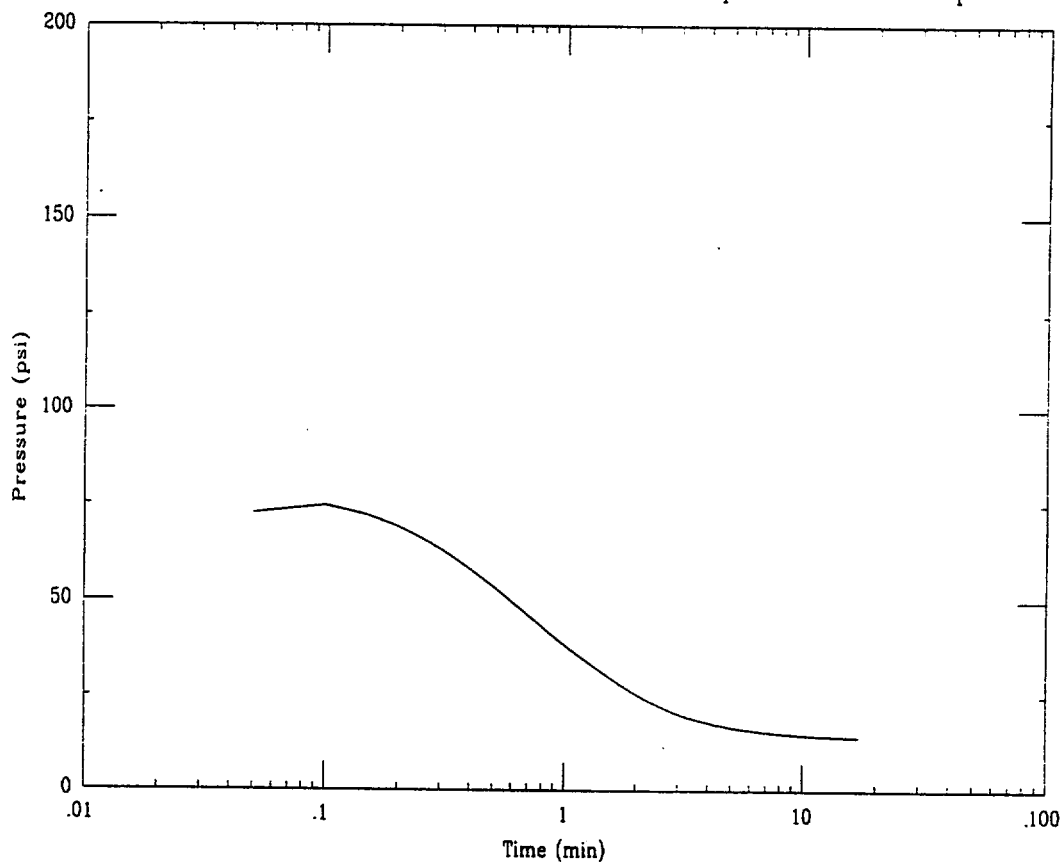


CPT-39R

Applied Research Associates

06/24/00

Depth = 99.1 ft Max Pressure = 74.62 psi $P_n = 14.24$ psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-39R

Test Date : 6/24/00

Northing : 80206.6 (ft)

Easting : 55646.9 (ft)

Surface Elevation : 262.1 (ft)

Water Table Elevation : 198.1 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in ² /s)	Coefficient Lateral Consolidation (cm ² /sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	56.2	205.9	-3.4									
Soil Dilation	82.1	180.0	7.8	7.95								
	99.1	163.0	15.2	74.62	44.92	169.4	3.0	508.33	0.75	9.36E-02	6.04E-01	1.69E-05

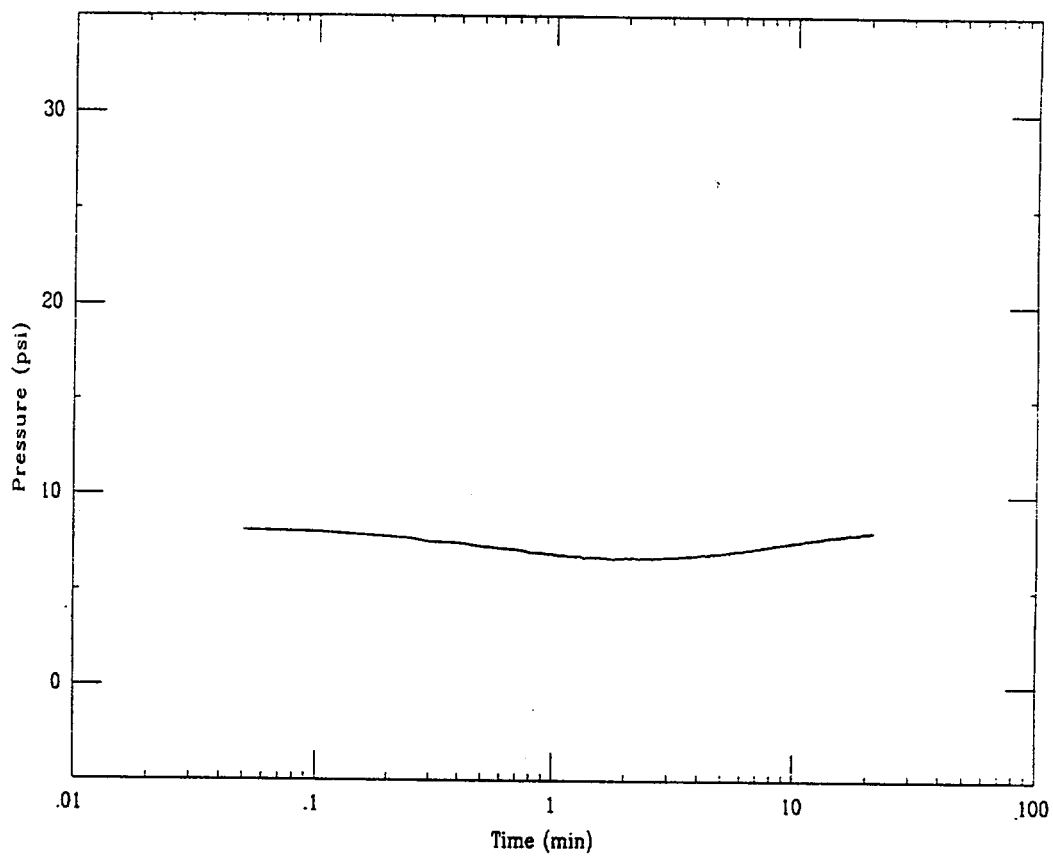
DCS, MFFF Project No. 08716

CPT-40R

Applied Research Associates

06/24/00

Depth = 91.0 ft Max Pressure = 8.13 psi Pn = 8.11 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-40R

Test Date : 6/24/00

Northing : 79941.1 (ft)

Easting : 55448.0 (ft)

Surface Elevation : 275.0 (ft)

Water Table Elevation : 202.7 (ft)

Probe Diameter : 1.75 (in)

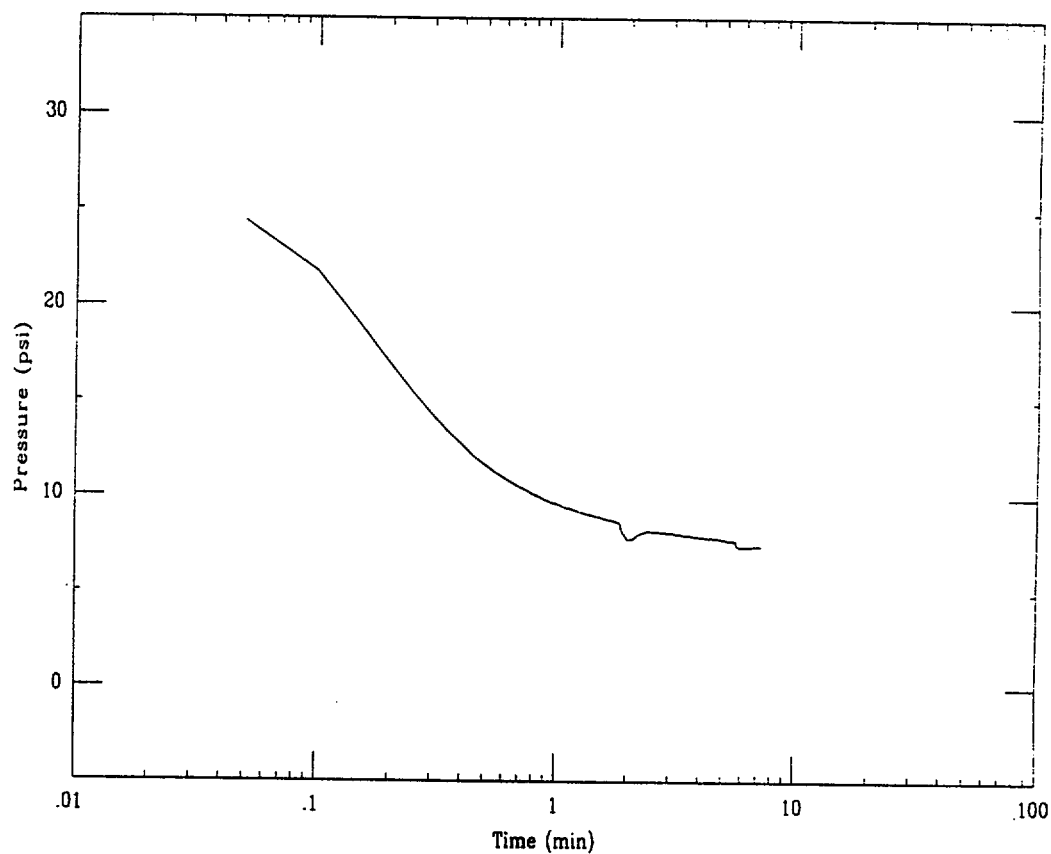
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	91.0	184.0	8.1	8.13								

CPT-42

Applied Research Associates

07/08/00

Depth = 87.1 ft Max Pressure = 24.42 psi Pn = 7.47 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-42

Test Date : 7/8/00

Northing : 80169.8 (ft)

Easting : 55591.7 (ft)

Surface Elevation : 267.5 (ft)

Water Table Elevation : 197.6 (ft)

Probe Diameter : 1.75 (in)

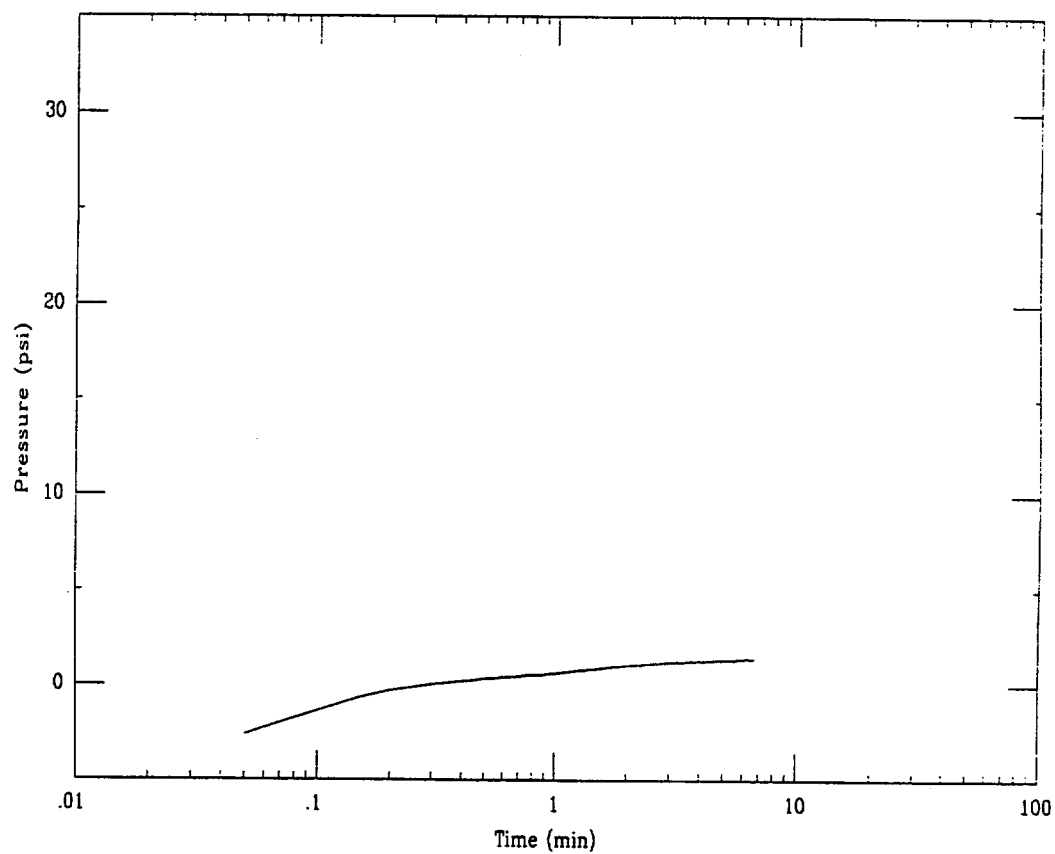
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	87.1	180.4	7.5	24.42	15.94	638.9	1.5	958.33	0.25	2.81E-01	1.81E+00	2.69E-05

CPT-44

Applied Research Associates

07/20/00

Depth = 85.2 ft Max Pressure = 1.44 psi Pn = 1.42 psi

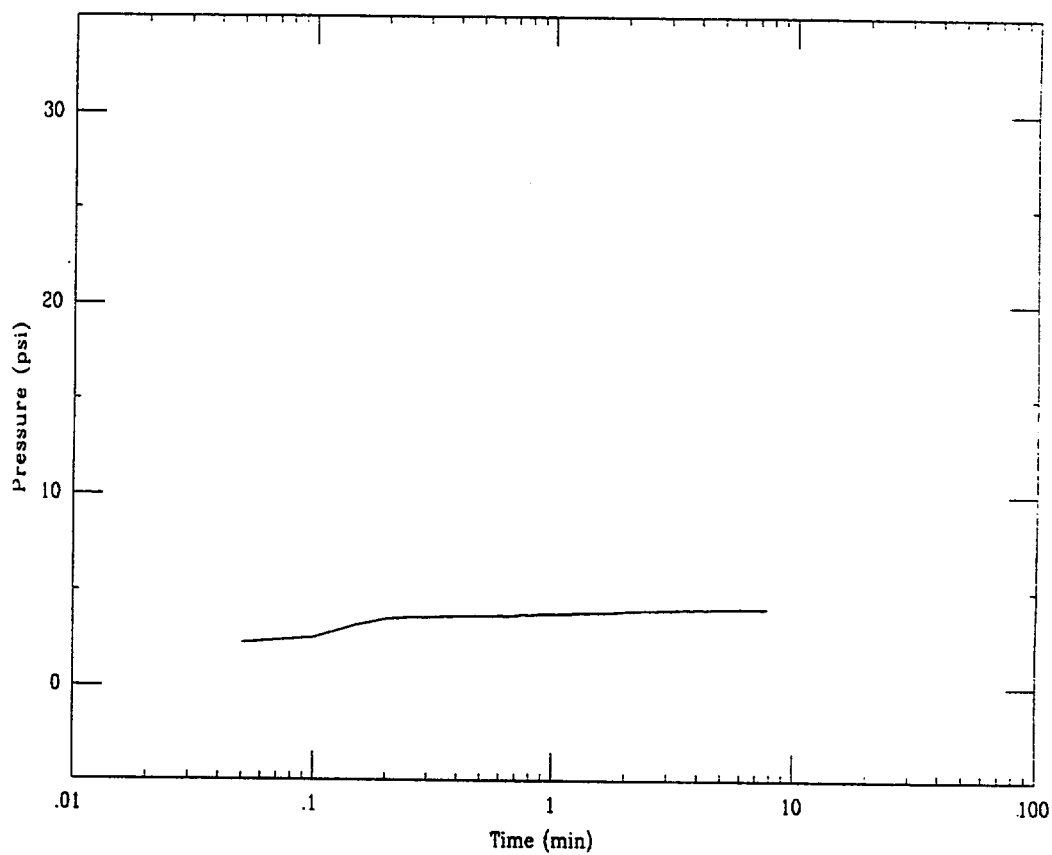


CPT-44

Applied Research Associates

07/20/00

Depth = 95.3 ft Max Pressure = 4.12 psi Pn = 4.11 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-44

Test Date : 7/20/00

Northing : 80530.3 (ft)

Easting : 55109.3 (ft)

Surface Elevation : 284.7 (ft)

Water Table Elevation : 198.9 (ft)

Probe Diameter : 1.75 (in)

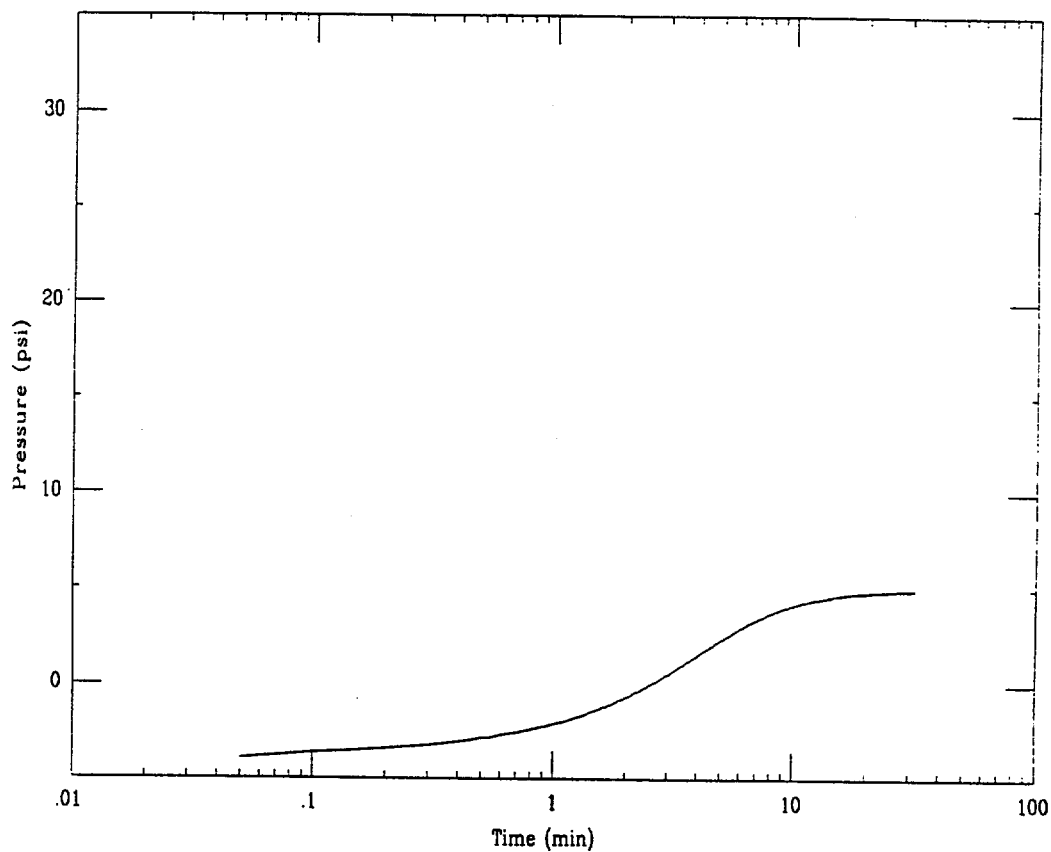
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	85.2	199.5	-0.3									
Soil Dilatation	95.3	189.4	4.1	4.12								

CPT-45

Applied Research Associates

07/21/00

Depth = 94.0 ft Max Pressure = 4.98 psi $P_n = 4.97$ psi

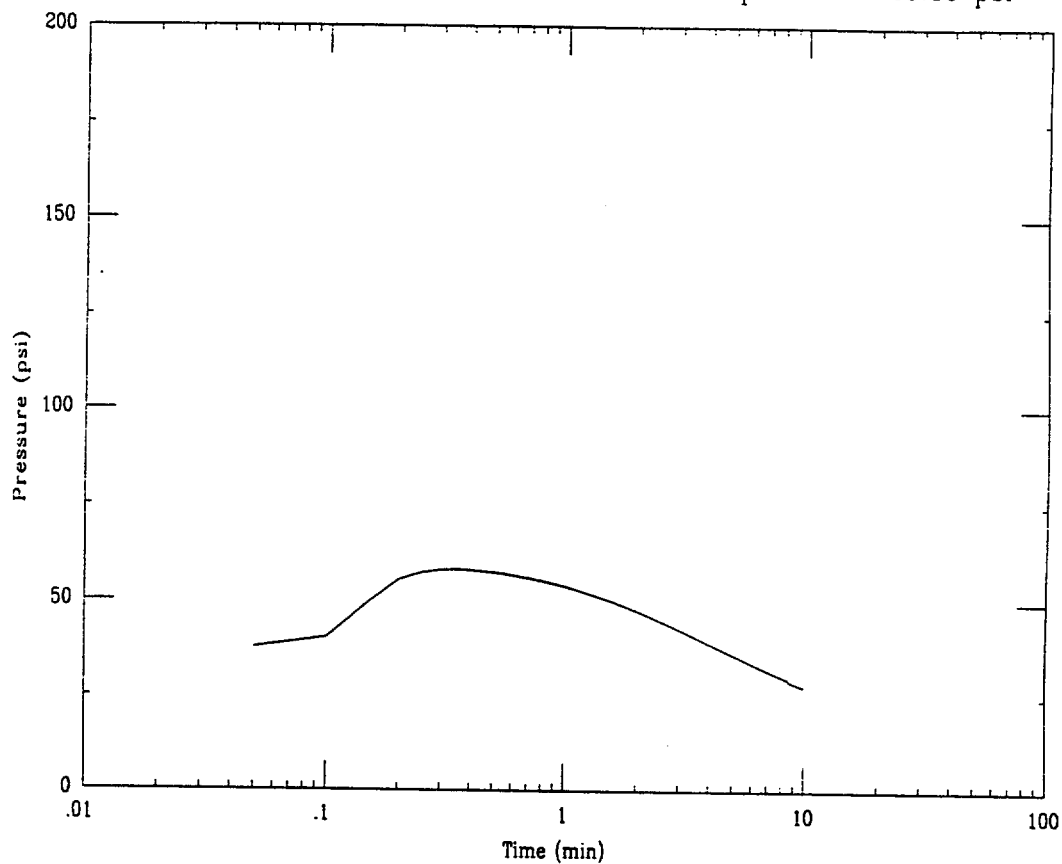


CPT-45

Applied Research Associates

07/21/00

Depth = 130.0 ft Max Pressure = 58.34 psi Pn = 28.15 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-45

Test Date : 7/21/00

Northing : 80531.1 (ft)

Easting : 55194.0 (ft)

Surface Elevation : 280.5 (ft)

Water Table Elevation : 198.0 (ft)

Probe Diameter : 1.75 (in)

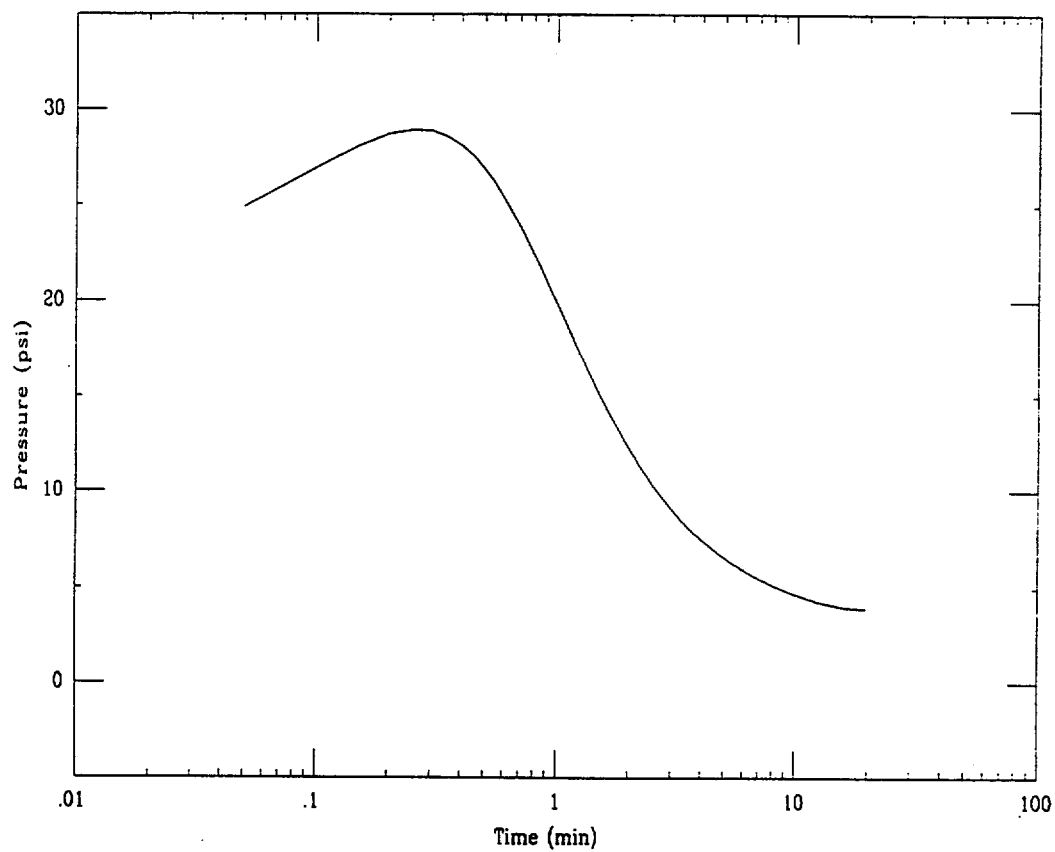
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	94.0	186.5	5.0	4.98								
	130.0	150.5	20.6	58.34	39.46	155.6	3.0	466.67	3.95	1.78E-02	1.15E-01	3.49E-06

CPT-46

Applied Research Associates

07/20/00

Depth = 83.1 ft Max Pressure = 28.91 psi $P_n = 3.94$ psi

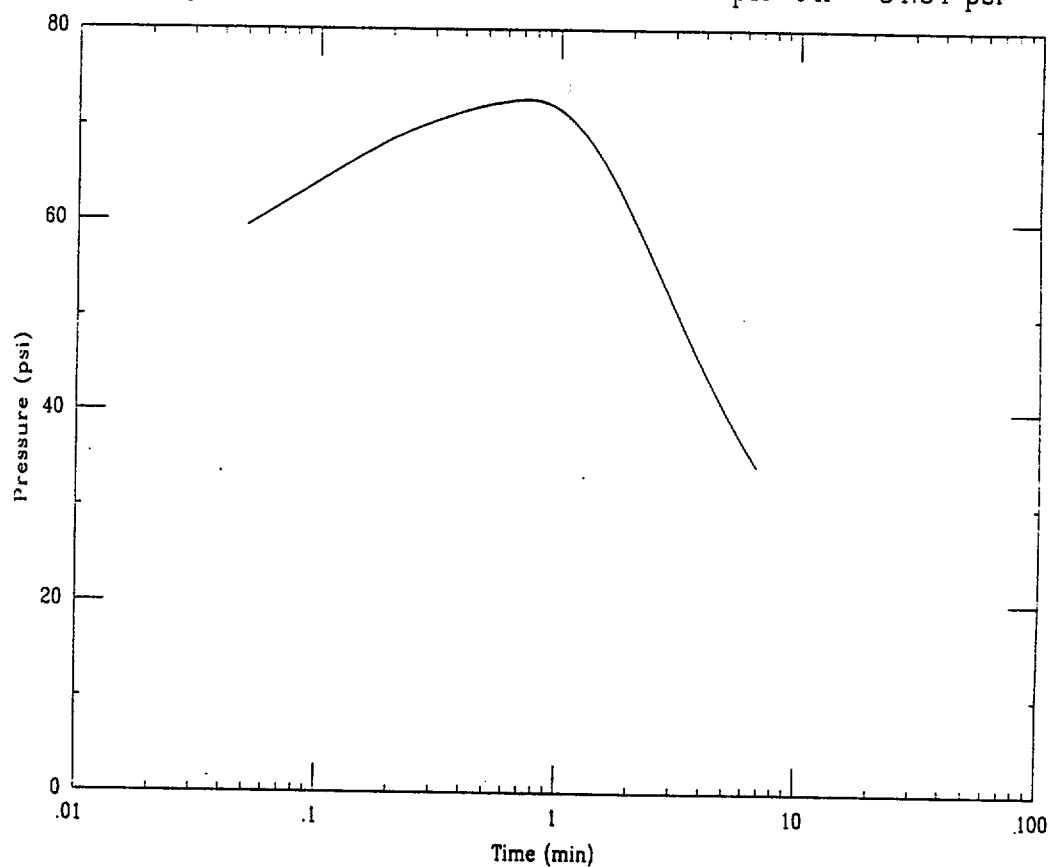


CPT-46

Applied Research Associates

07/20/00

Depth = 129.1 ft Max Pressure = 72.70 psi Pn = 34.84 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-46

Test Date : 7/20/00

Northing : 80482.0 (ft)

Easting : 55032.8 (ft)

Surface Elevation : 284.5 (ft)

Water Table Elevation : 210.5 (ft)

Probe Diameter : 1.75 (in)

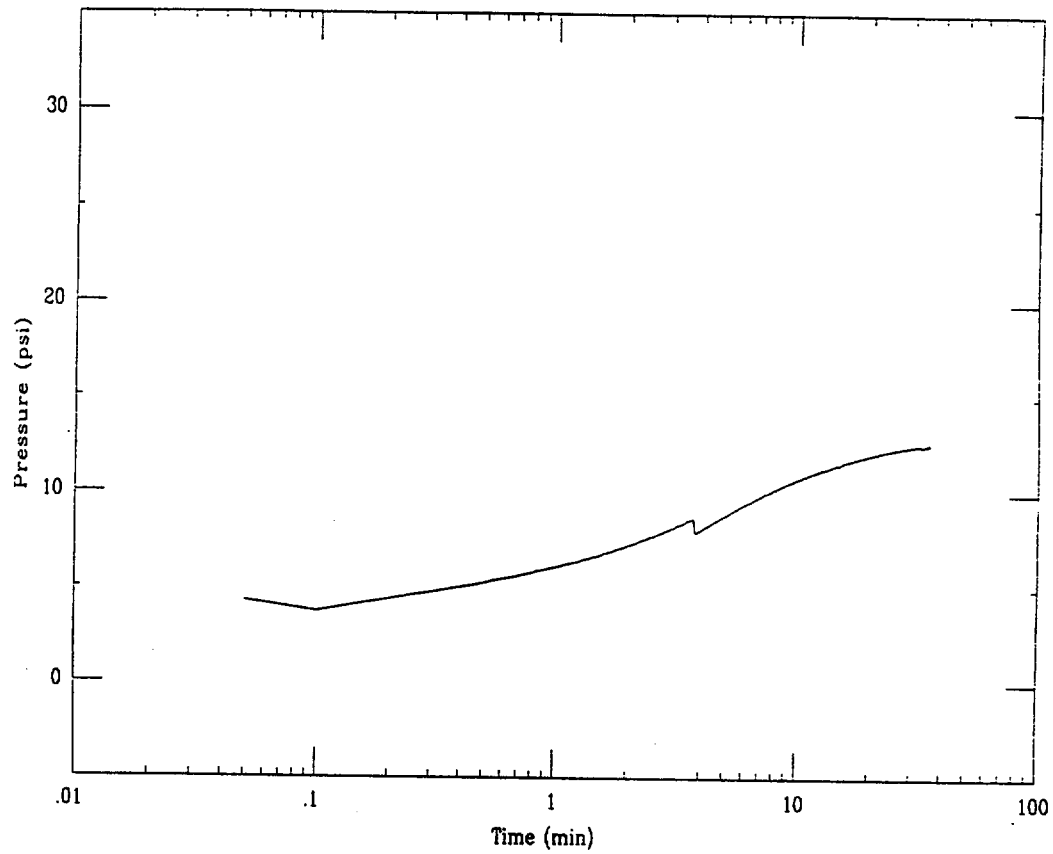
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	83.1	201.4	3.9	28.91	16.43	131.9	3.0	395.83	1.35	5.20E-02	3.35E-01	1.20E-05
	129.1	155.4	23.9	72.70	48.29	202.8	3.0	608.33	3.40	2.06E-02	1.33E-01	3.11E-06

CPT-47

Applied Research Associates

07/20/00

Depth = 116.0 ft Max Pressure = 12.69 psi Pn = 12.64 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-47

Test Date : 7/20/00

Northing : 80456.7 (ft)

Easting : 55146.5 (ft)

Surface Elevation : 284.1 (ft)

Water Table Elevation : 198.0 (ft)

Probe Diameter : 1.75 (in)

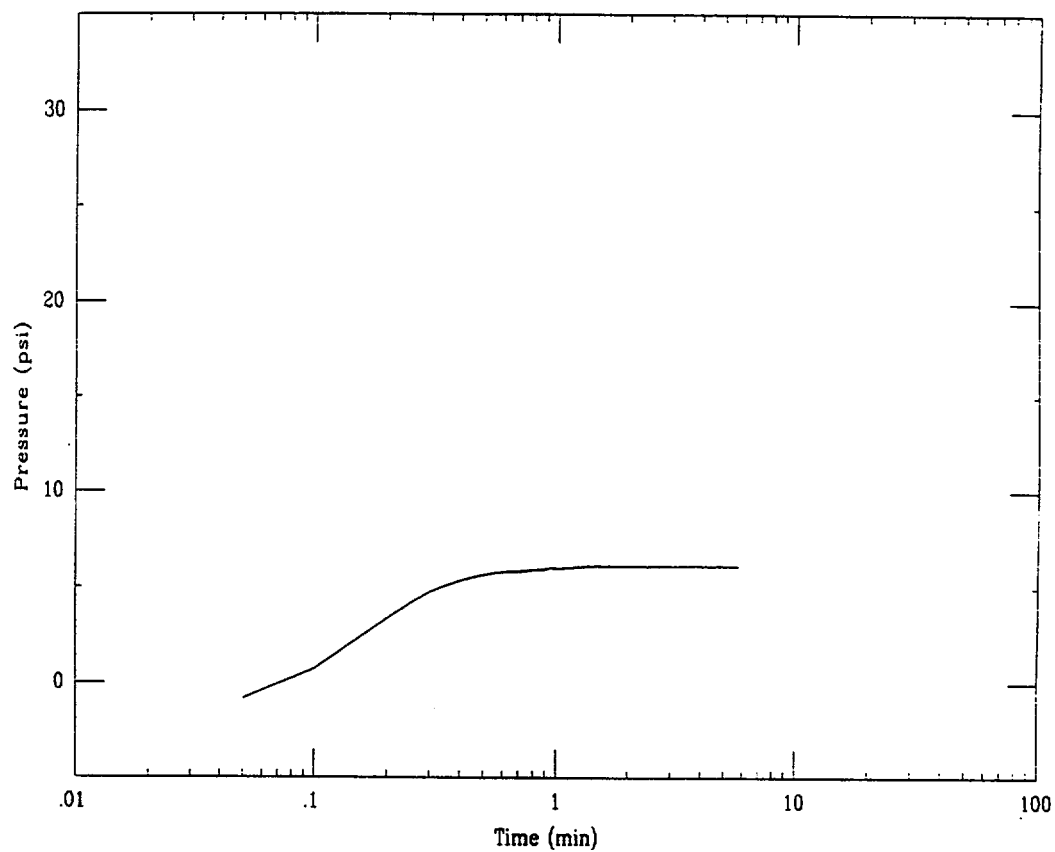
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in ² /s)	Coefficient Lateral Consolidation (cm ² /sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	116.0	168.1	13.0	12.69								

CPT-48

Applied Research Associates

07/22/00

Depth = 96.5 ft Max Pressure = 6.16 psi Pn = 6.12 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-48

Test Date : 7/22/00

Northing : 80463.6 (ft)

Easting : 54964.1 (ft)

Surface Elevation : 281.2 (ft)

Water Table Elevation : 198.8 (ft)

Probe Diameter : 1.75 (in)

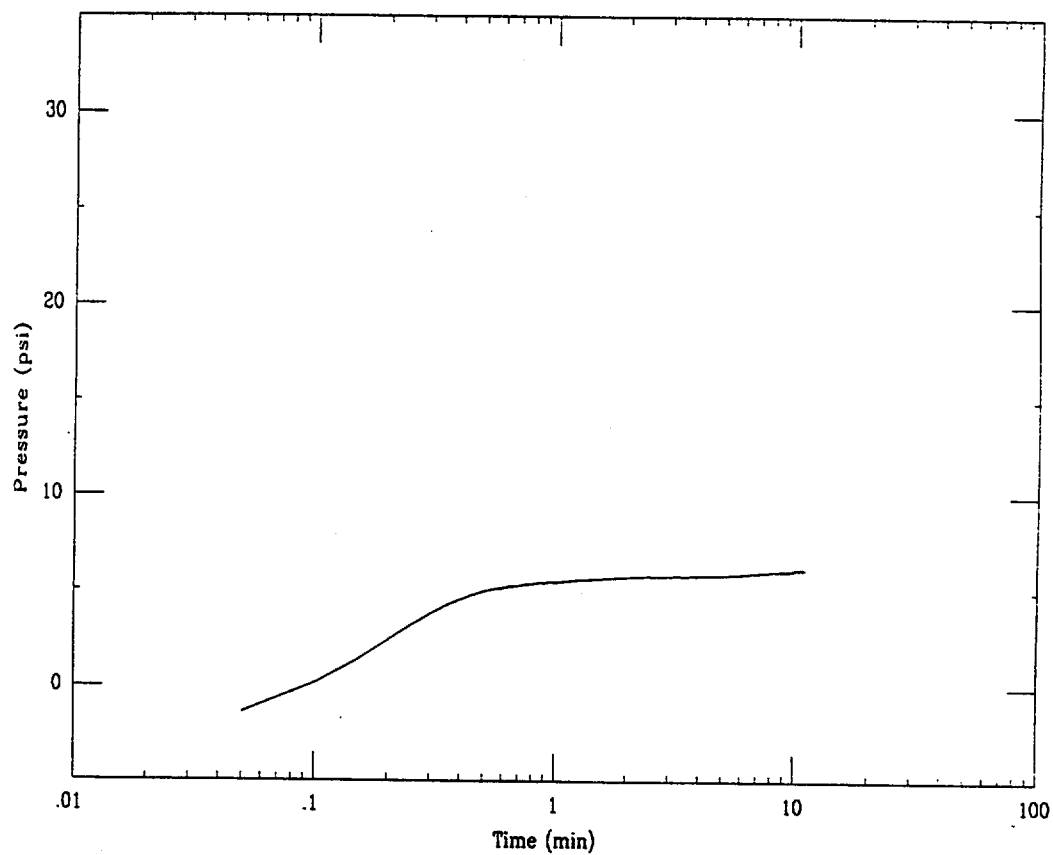
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	96.5	184.7	6.1	6.16								

CPT-49

Applied Research Associates

07/19/00

Depth = 105.8 ft Max Pressure = 6.23 psi Pn = 6.20 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-49

Test Date : 7/19/00

Northing : 80332.7 (ft)

Easting : 54931.1 (ft)

Surface Elevation : 292.4 (ft)

Water Table Elevation : 200.9 (ft)

Probe Diameter : 1.75 (in)

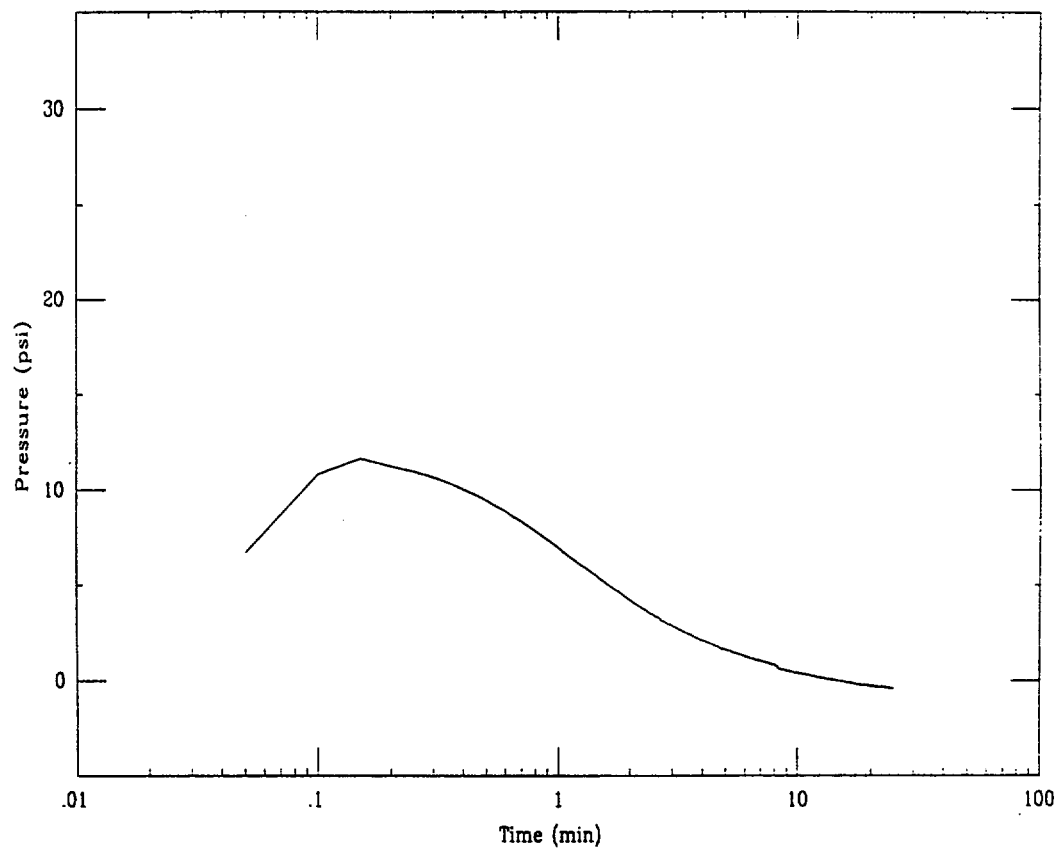
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	105.8	186.6	6.2	6.23								

CPT-50

Applied Research Associates

07/19/00

Depth = 102.5 ft Max Pressure = 11.65 psi $P_n = -0.41$ psi

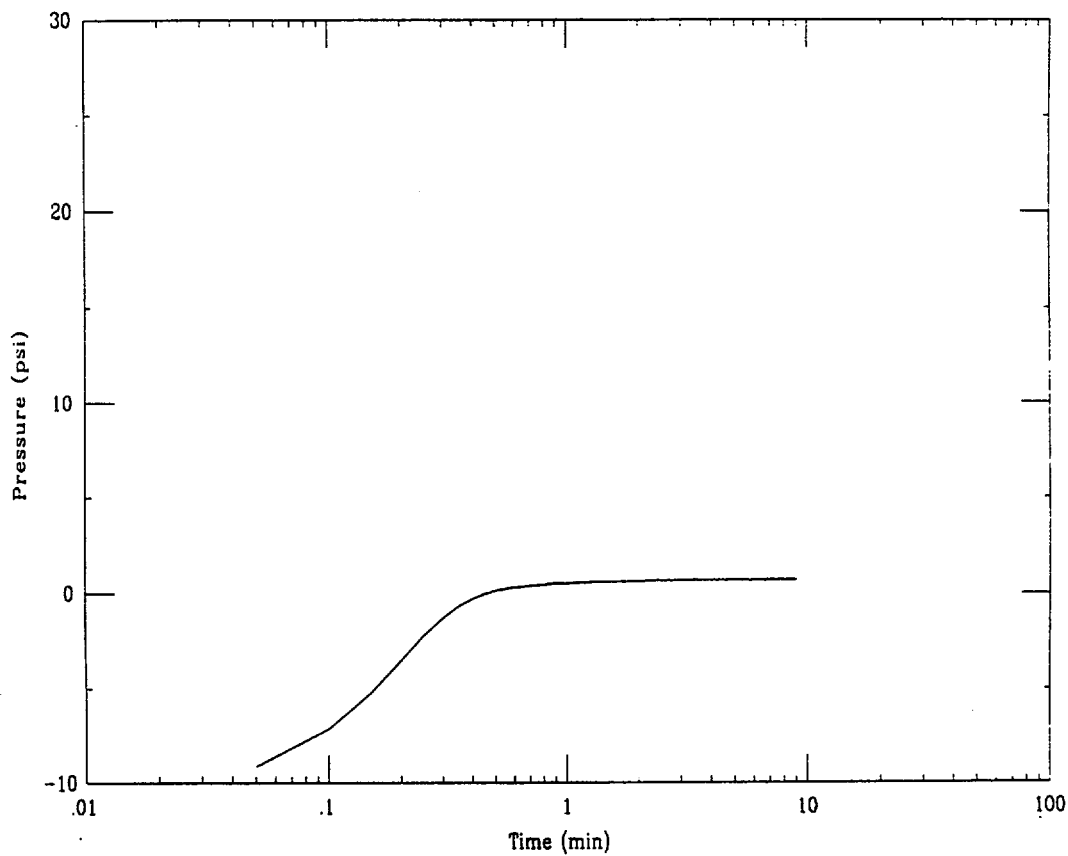


CPT-50

Applied Research Associates

07/19/00

Depth = 108.6 ft Max Pressure = 0.76 psi Pn = 0.73 psi

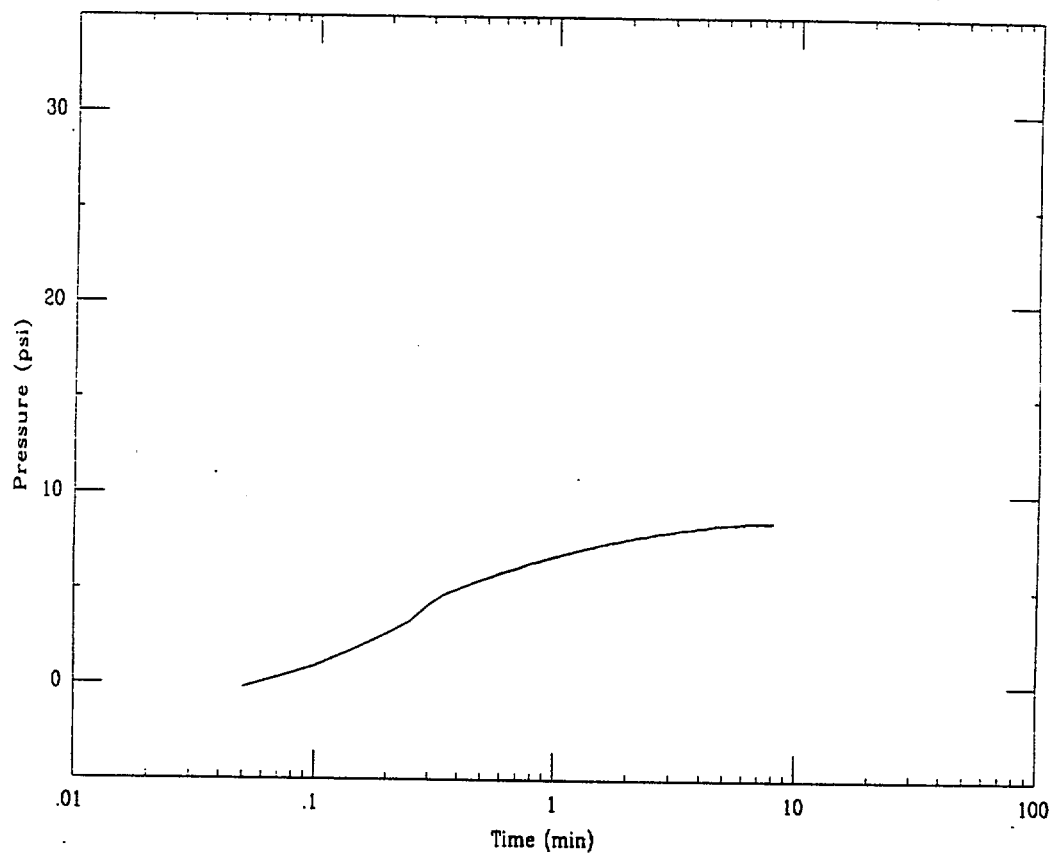


CPT-50

Applied Research Associates

07/19/00

Depth = 127.6 ft Max Pressure = 8.63 psi $P_n = 8.59$ psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-50

Test Date : 7/19/00

Northing : 80370.9 (ft)

Eastng : 55140.0 (ft)

Surface Elevation : 294.4 (ft)

Water Table Elevation : 186.6 (ft)

Probe Diameter : 1.75 (in)

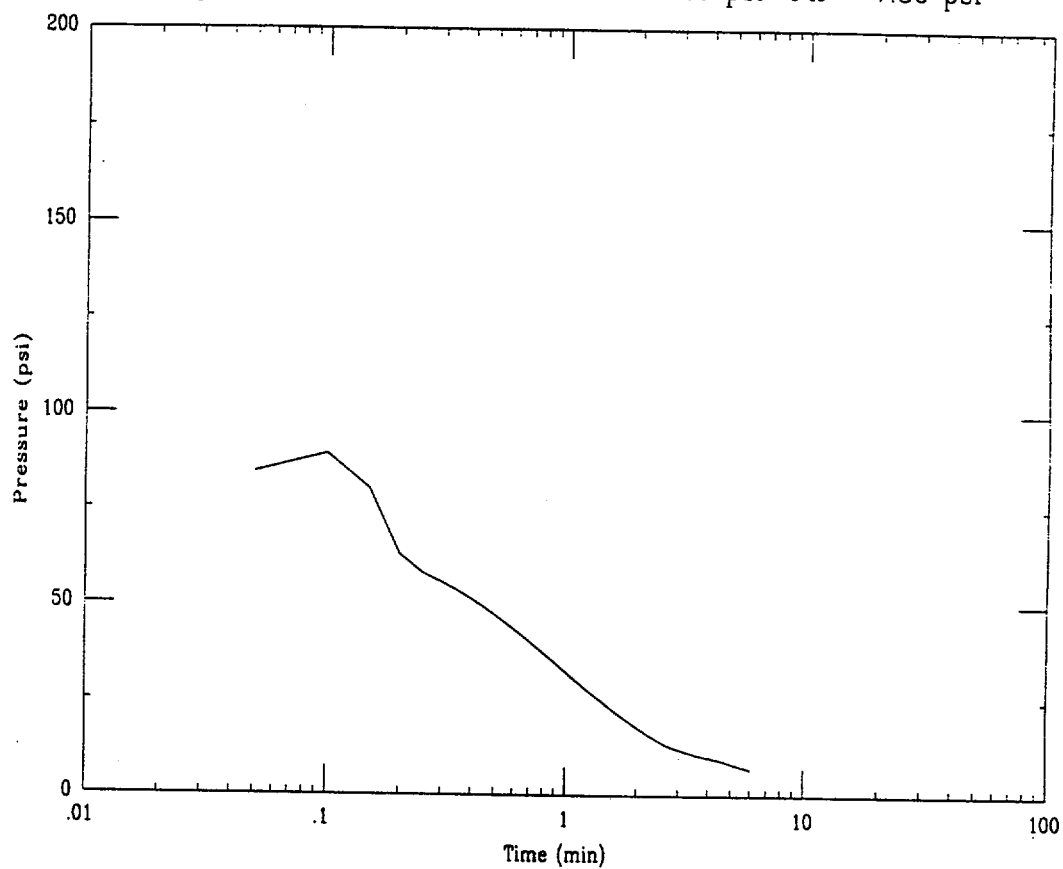
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	102.5	191.9	-2.3									
Soil Dilatation	108.6	185.8	0.3	0.76								
Soil Dilatation	127.6	166.8	8.6	8.63								

CPT-51

Applied Research Associates

07/18/00

Depth = 95.3 ft Max Pressure = 89.40 psi Pn = 7.36 psi

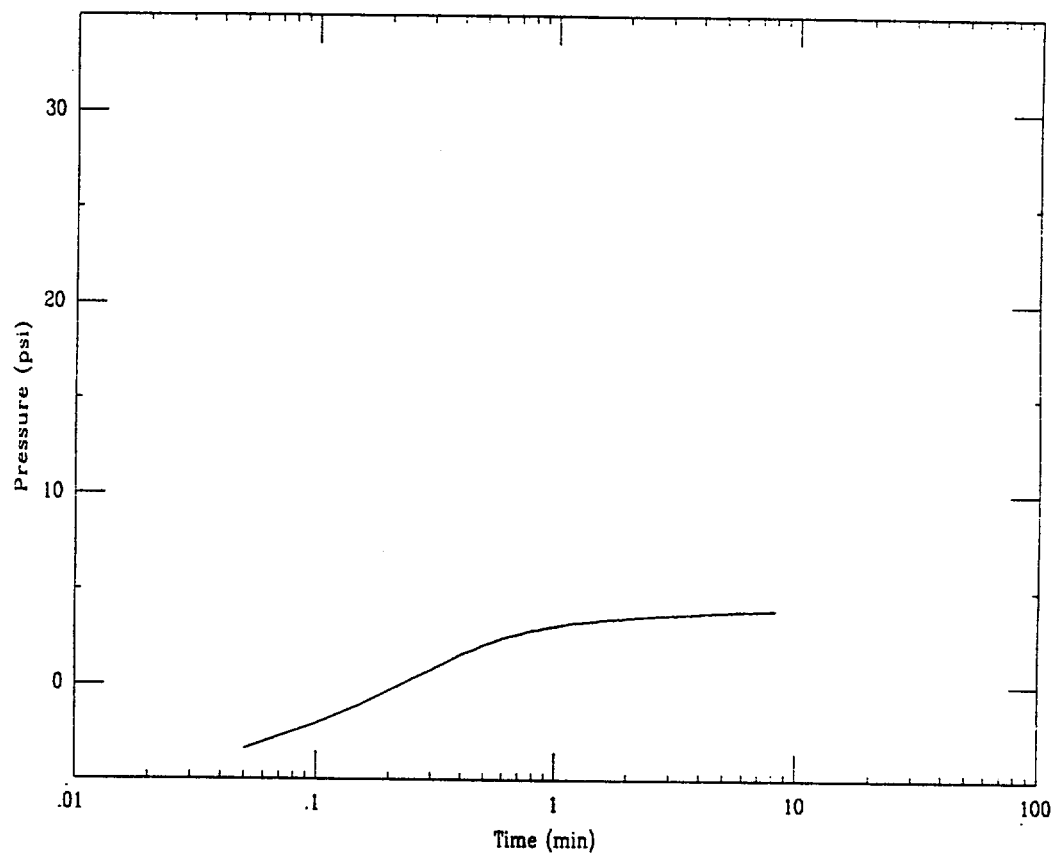


CPT-51

Applied Research Associates

07/18/00

Depth = 104.1 ft Max Pressure = 4.03 psi Pn = 3.99 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-51

Test Date : 7/18/00

Northing : 80318.7 (ft)

Easting : 55198.3 (ft)

Surface Elevation : 295.5 (ft)

Water Table Elevation : 200.5 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
At GWT	95.3	200.2	0.1									
Soil Dilatation	104.1	191.4	3.9	4.03								

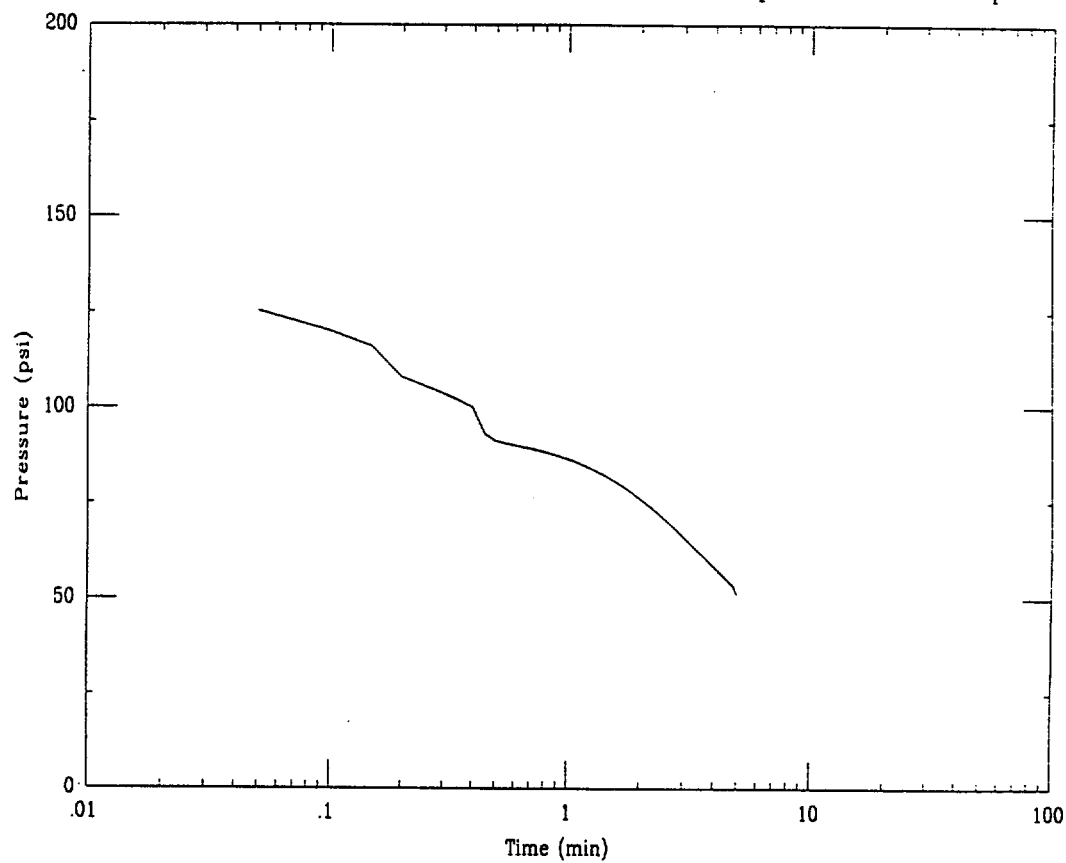
DCS, MFFF Project No. 08716

CPT-52

Applied Research Associates

07/19/00

Depth = 114.2 ft Max Pressure = 125.16 psi Pn = 53.38 psi

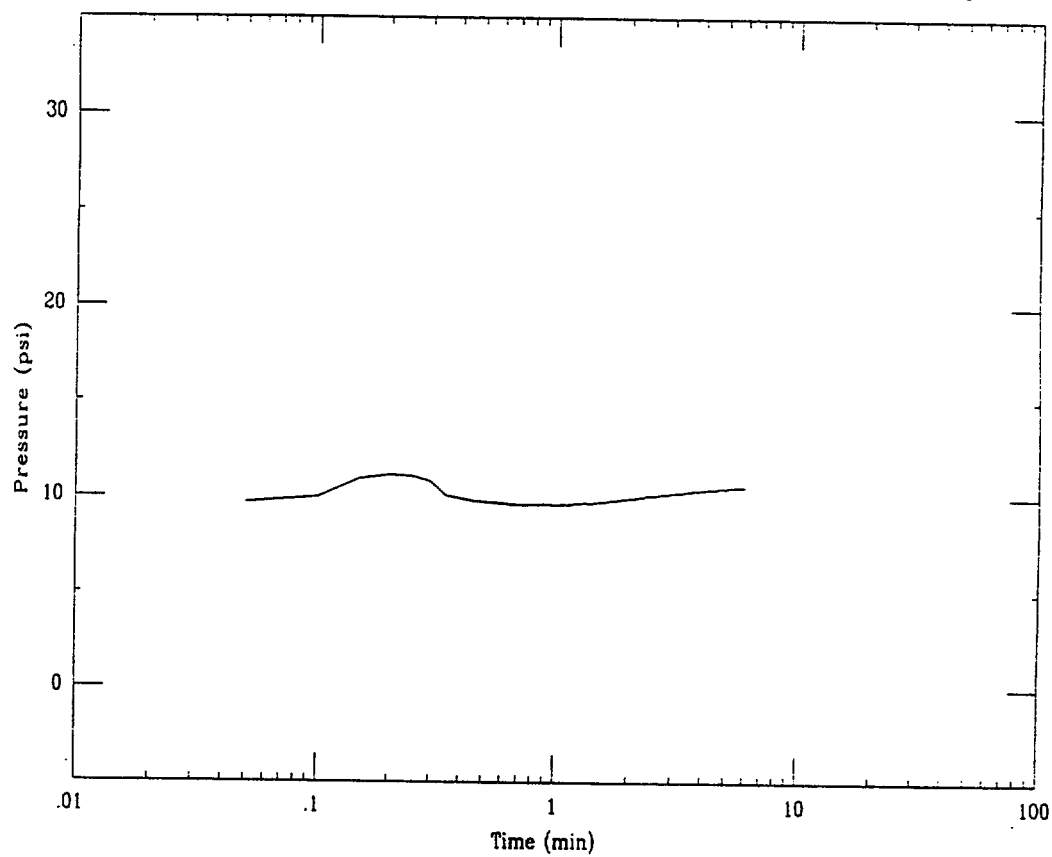


CPT-52

Applied Research Associates

07/19/00

Depth = 119.1 ft Max Pressure = 11.11 psi Pn = 10.54 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-52

Test Date : 7/19/00

Northing : 80277.0 (ft)

Easting : 54867.3 (ft)

Surface Elevation : 293.4 (ft)

Water Table Elevation : 198.7 (ft)

Probe Diameter : 1.75 (in)

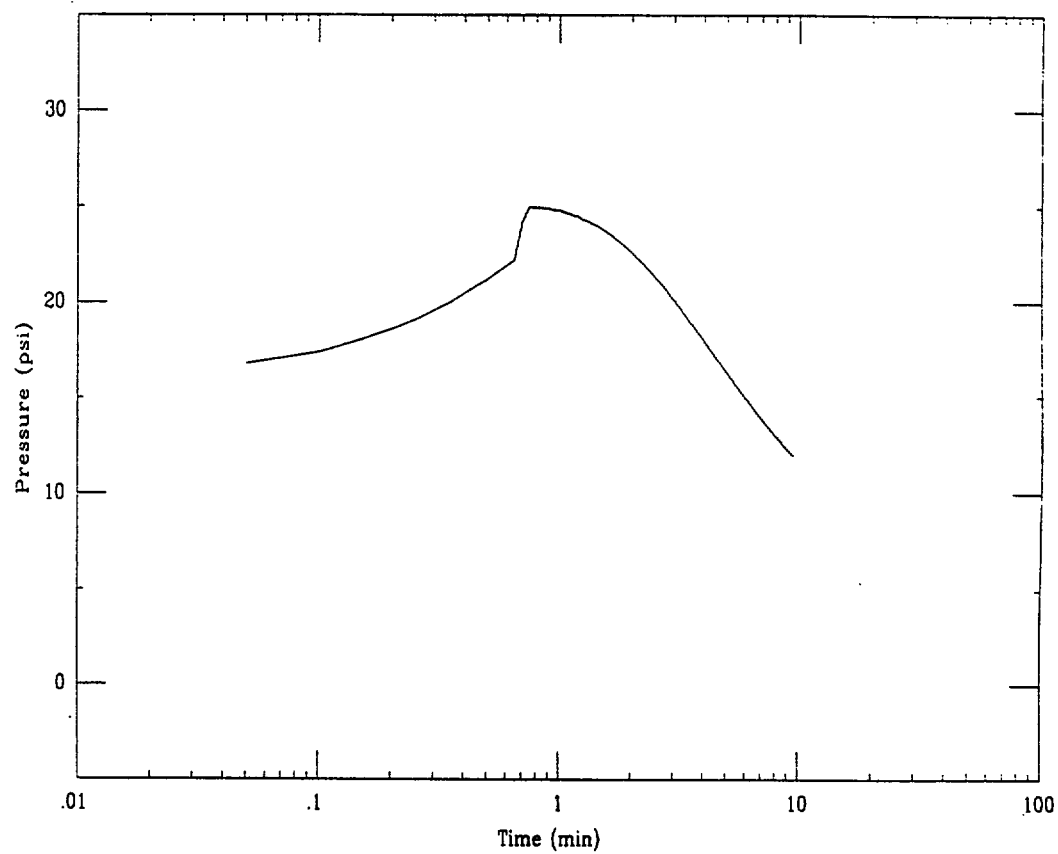
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	114.2	179.2	8.5	125.16	66.81	225.0	3.0	675.00	2.95	2.38E-02	1.53E-01	3.23E-06
Soil Dilation	119.1	174.3	10.6	11.11								

CPT-53

Applied Research Associates

07/15/00

Depth = 89.0 ft Max Pressure = 24.99 psi Pn = 12.12 psi

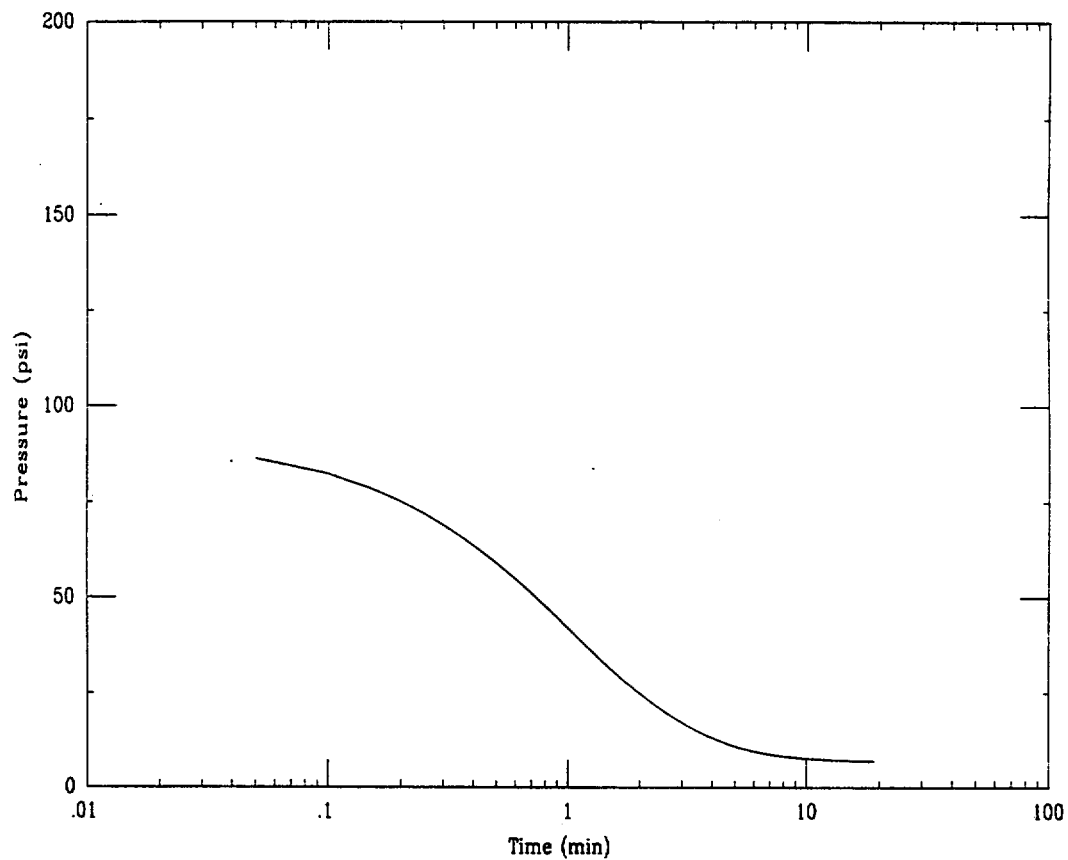


CPT-53

Applied Research Associates

07/15/00

Depth = 106.4 ft Max Pressure = 86.38 psi $P_n = 7.06$ psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-53

Test Date : 7/15/00

Northing : 80309.5 (ft)

Easting : 55059.9 (ft)

Surface Elevation : 292.8 (ft)

Water Table Elevation : 202.6 (ft)

Probe Diameter : 1.75 (in)

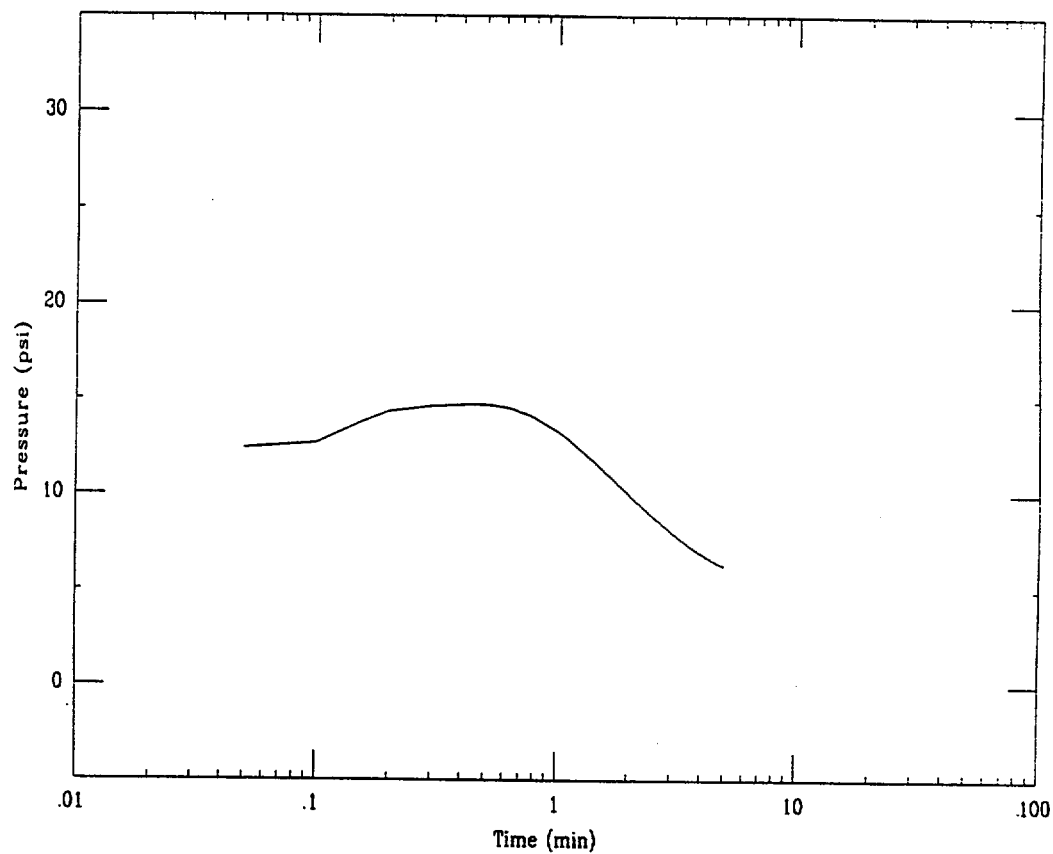
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	89.0	203.8	-0.5									
	106.4	186.4	7.0	86.38	46.70	152.8	3.0	458.33	0.85	8.26E-02	5.33E-01	1.65E-05

CPT-54

Applied Research Associates

07/20/00

Depth = 96.4 ft Max Pressure = 14.72 psi Pn = 6.43 psi

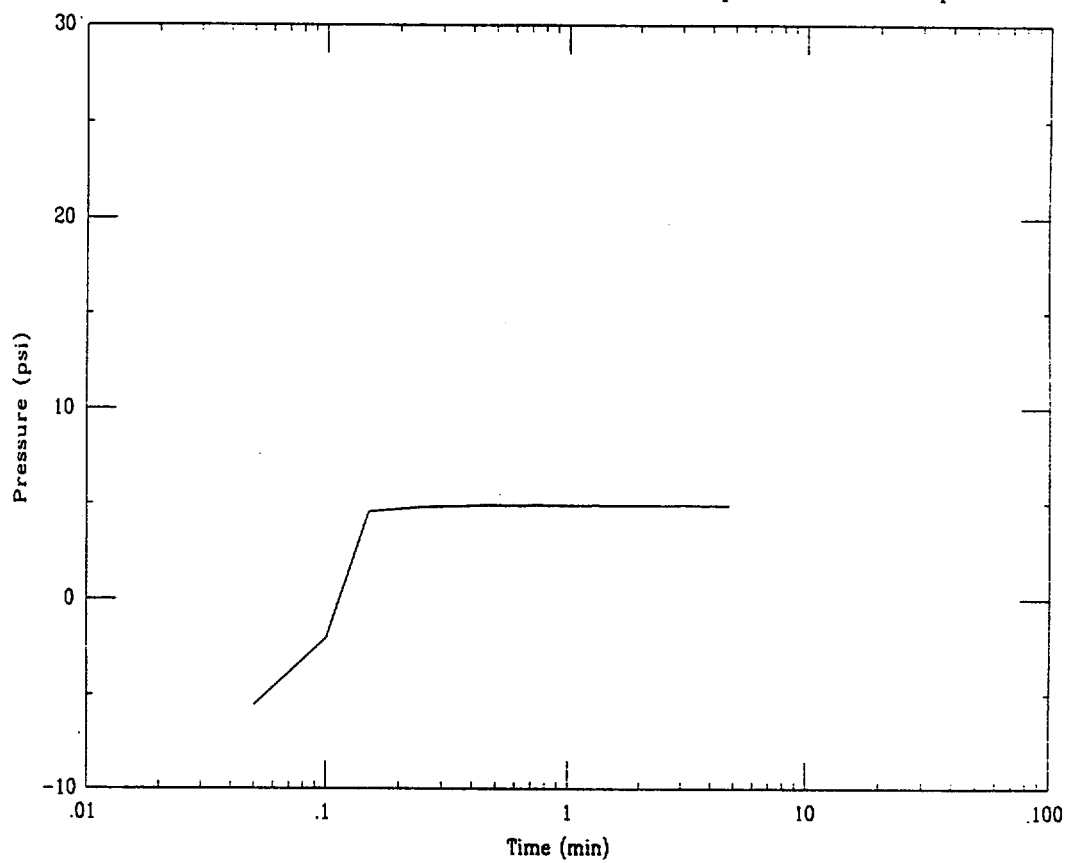


CPT-54

Applied Research Associates

07/20/00

Depth = 104.2 ft Max Pressure = 4.95 psi Pn = 4.91 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-54

Test Date : 7/20/00

Northing : 80243.1 (ft)

Easting : 54940.0 (ft)

Surface Elevation : 293.7 (ft)

Water Table Elevation : 200.8 (ft)

Probe Diameter : 1.75 (in)

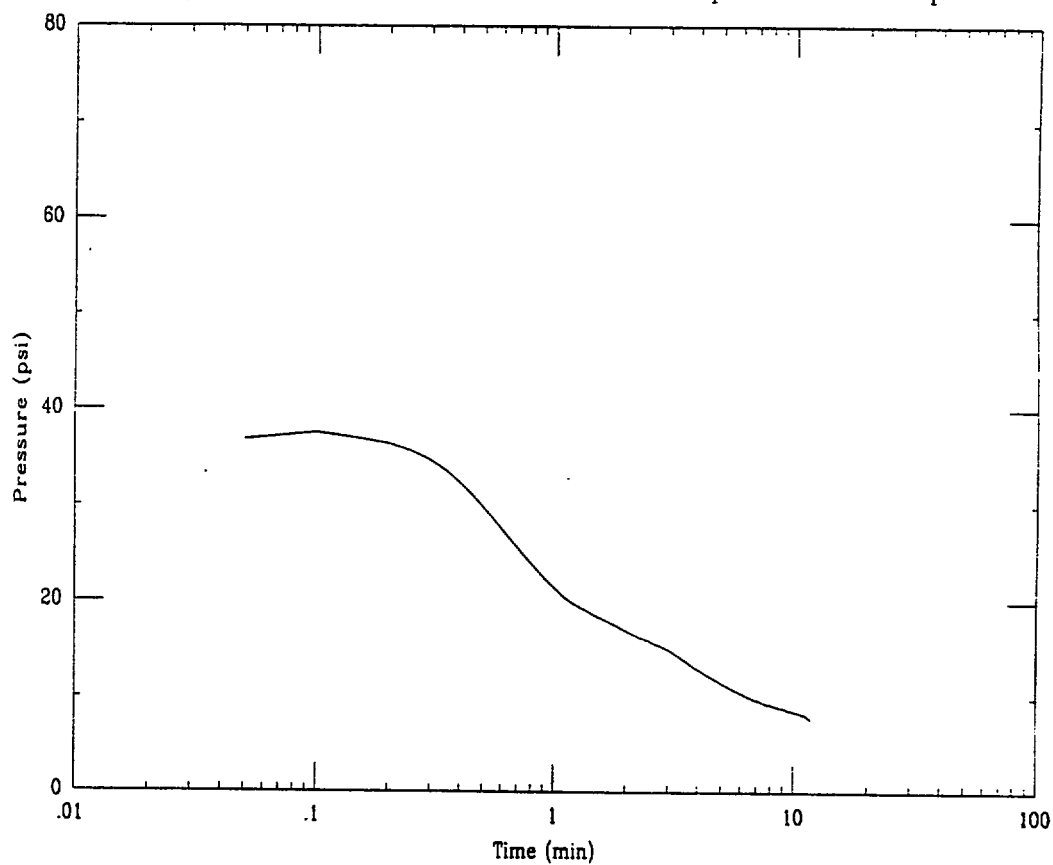
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	96.4	197.3	1.5	14.72	8.12	147.2	3.0	441.67	2.95	2.38E-02	1.53E-01	4.94E-06
Soil Dilation	104.2	189.5	4.9	4.95								

CPT-55

Applied Research Associates

07/18/00

Depth = 96.3 ft Max Pressure = 37.55 psi $P_n = 7.98$ psi

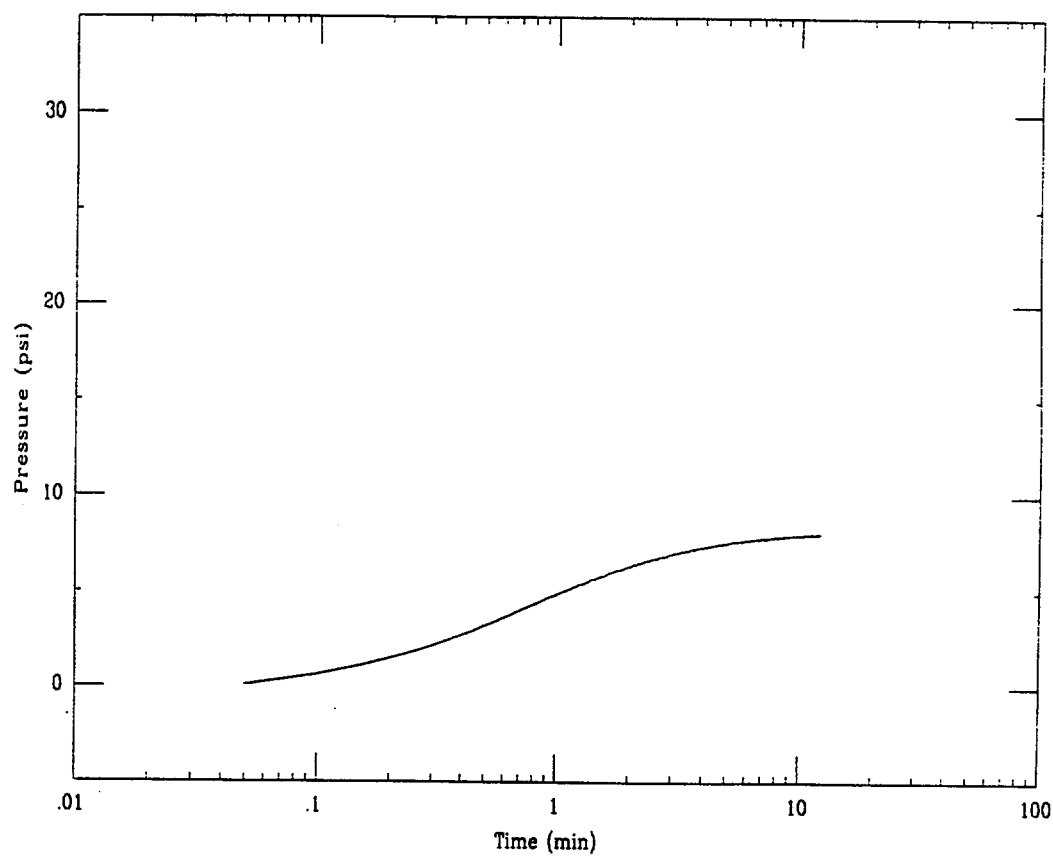


CPT-55

Applied Research Associates

07/18/00

Depth = 113.0 ft Max Pressure = 8.10 psi Pn = 8.09 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-55

Test Date : 7/18/00

Northing : 80259.6 (ft)

Easting : 55141.9 (ft)

Surface Elevation : 294.4 (ft)

Water Table Elevation : 200.3 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
	96.3	198.1	1.0	37.55	19.25	193.1	3.0	579.17	1.35	5.20E-02	3.35E-01	8.23E-06
Soil Dilatation	113.0	181.4	8.2	8.11								

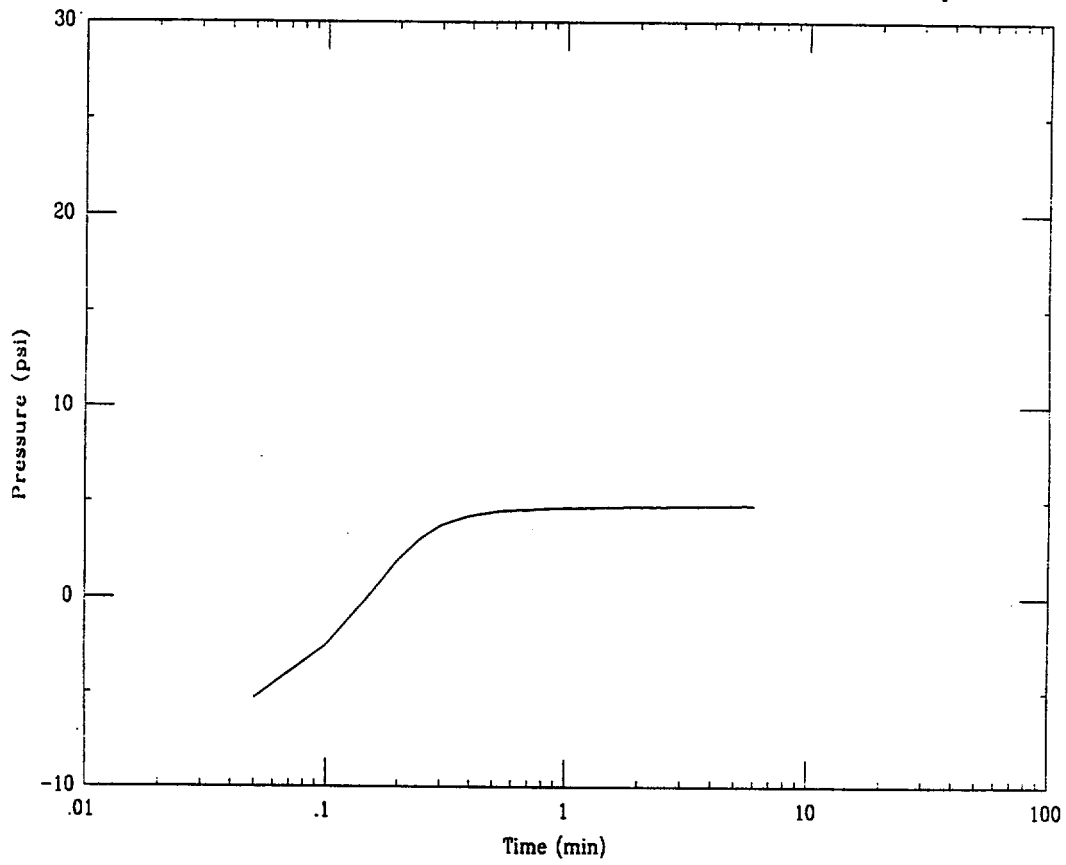
DCS, MEEFF Project No. 08716

CPT-56

Applied Research Associates

07/18/00

Depth = 103.5 ft Max Pressure = 4.83 psi Pn = 4.80 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-56

Test Date : 7/18/00

Northing : 80207.0 (ft)

Easting : 54866.7 (ft)

Surface Elevation : 294.2 (ft)

Water Table Elevation : 201.7 (ft)

Probe Diameter : 1.75 (in)

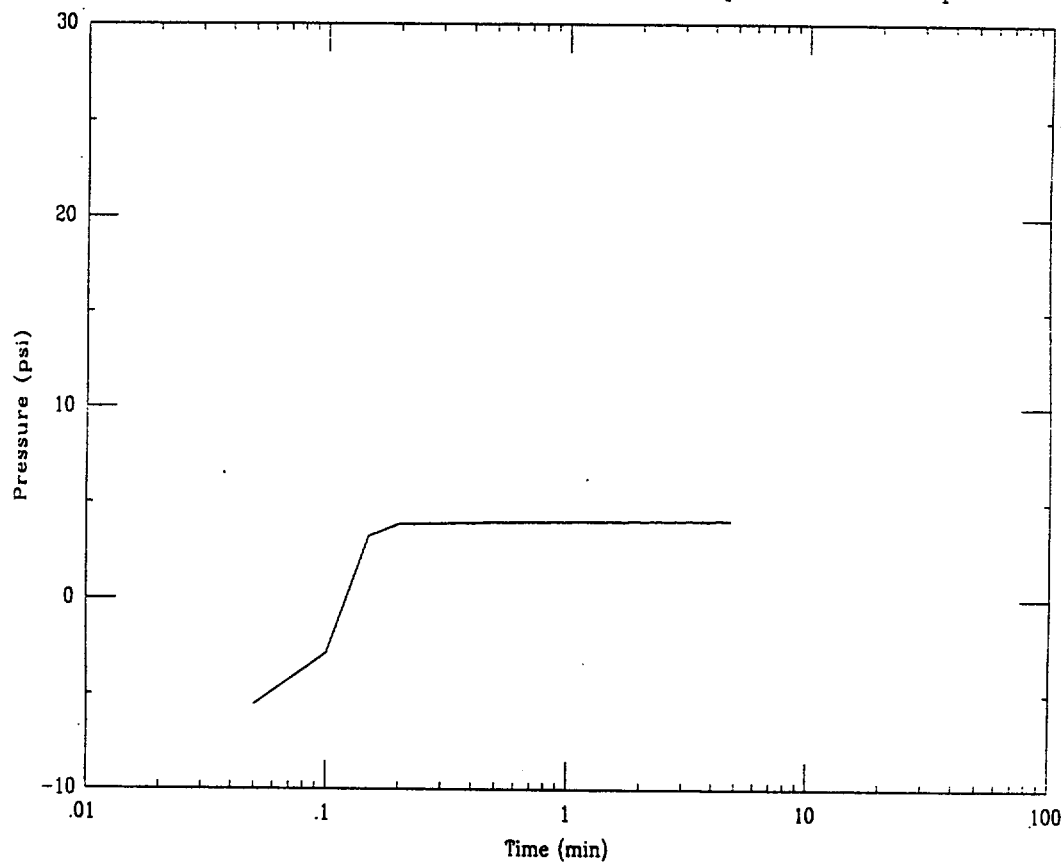
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in ² /s)	Coefficient Lateral Consolidation (cm ² /sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	103.5	190.7	4.8	4.83								

CPT-57

Applied Research Associates

07/18/00

Depth = 101.2 ft Max Pressure = 4.09 psi Pn = 4.07 psi

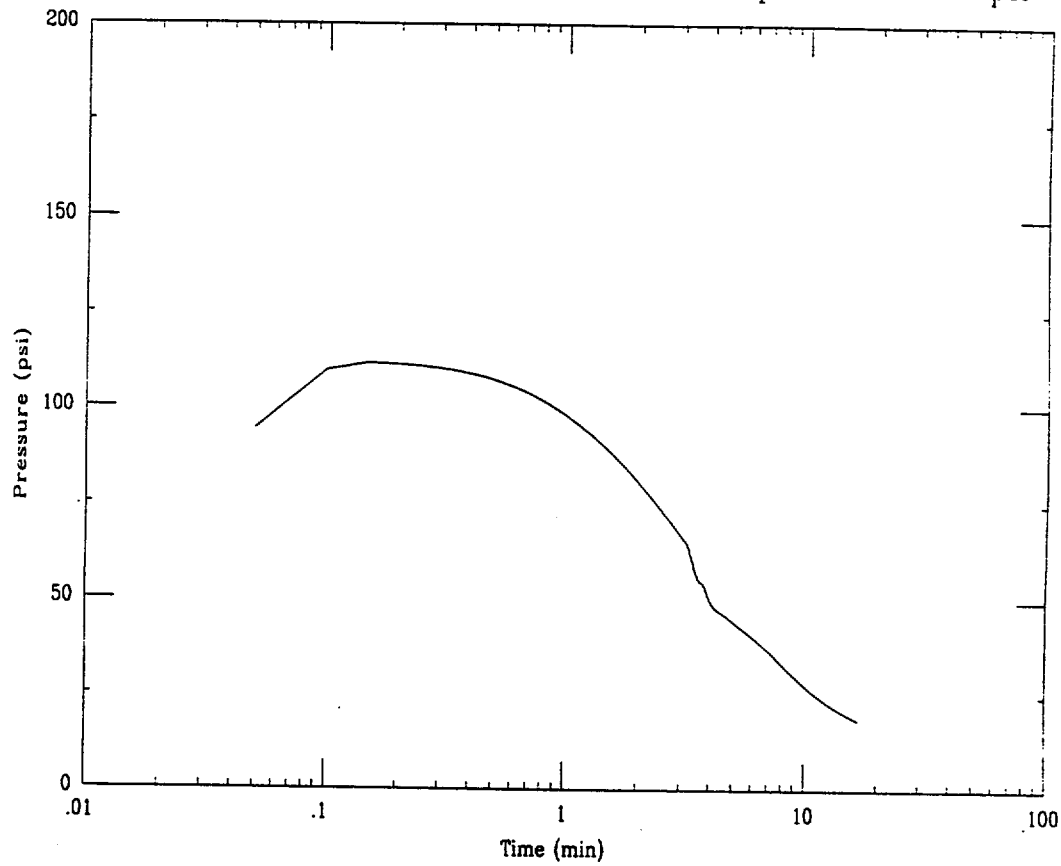


CPT-57

Applied Research Associates

07/18/00

Depth = 115.1 ft Max Pressure = 111.64 psi Pn = 18.80 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-57

Test Date : 7/18/00

Northing : 80229.2 (ft)

Easting : 55058.2 (ft)

Surface Elevation : 293.6 (ft)

Water Table Elevation : 201.8 (ft)

Probe Diameter : 1.75 (in)

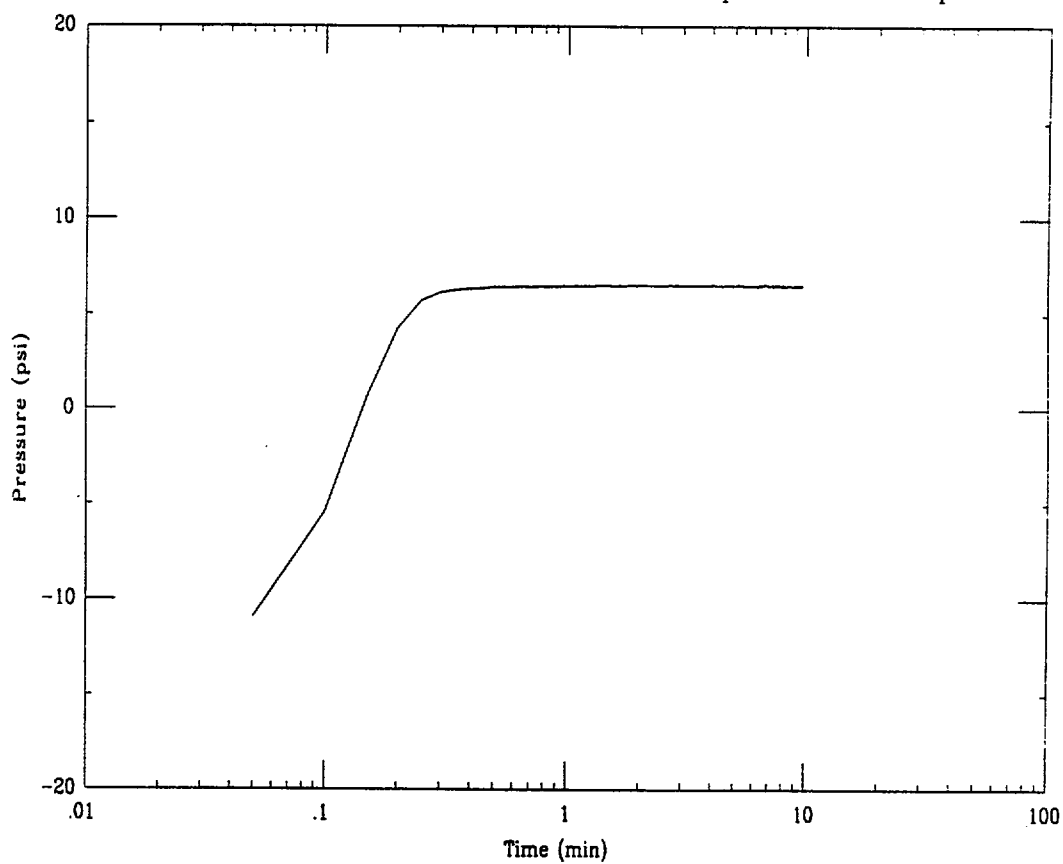
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	101.2	192.4	4.1	4.09								
	115.1	178.5	10.1	111.64	60.87	327.8	2.5	819.44	3.35	2.09E-02	1.35E-01	2.34E-06

CPT-58

Applied Research Associates

07/17/00

Depth = 103.0 ft Max Pressure = 6.60 psi Pn = 6.51 psi

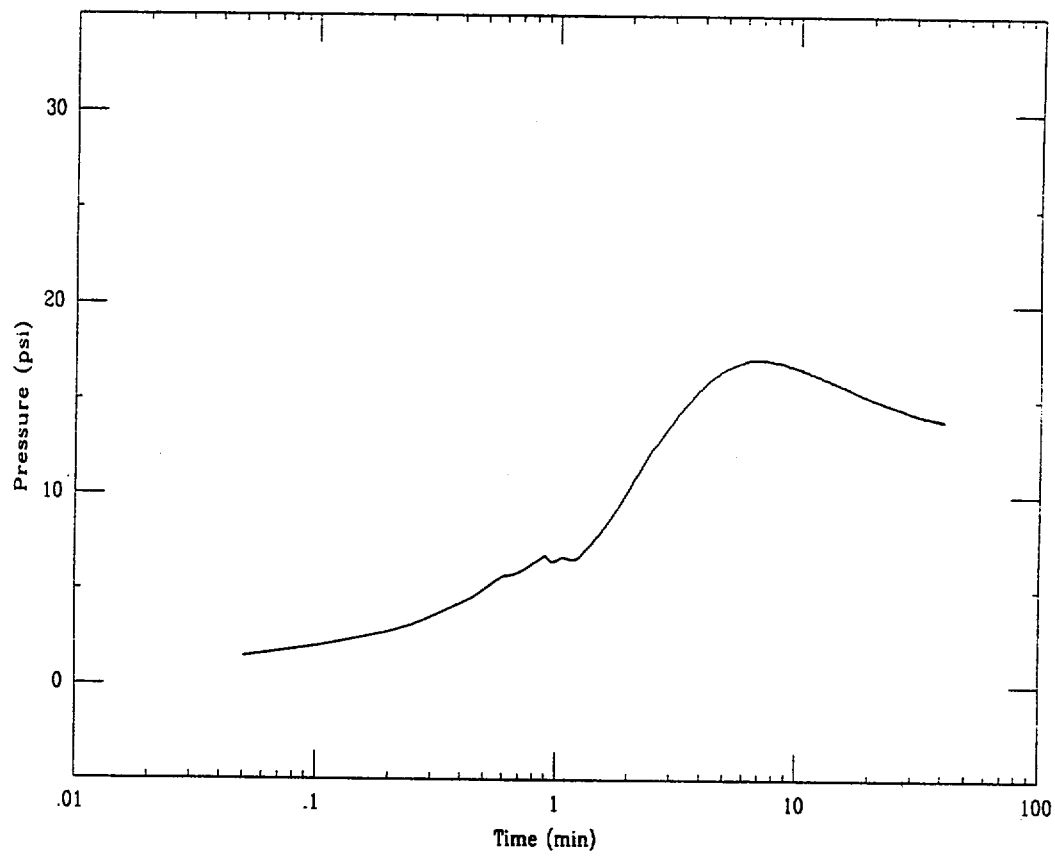


CPT-58

Applied Research Associates

07/17/00

Depth = 114.1 ft Max Pressure = 17.17 psi Pn = 17.17 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-58

Test Date : 7/17/00

Northing : 80135.1 (ft)

Easting : 54866.9 (ft)

Surface Elevation : 295.1 (ft)

Water Table Elevation : 207.1 (ft)

Probe Diameter : 1.75 (in)

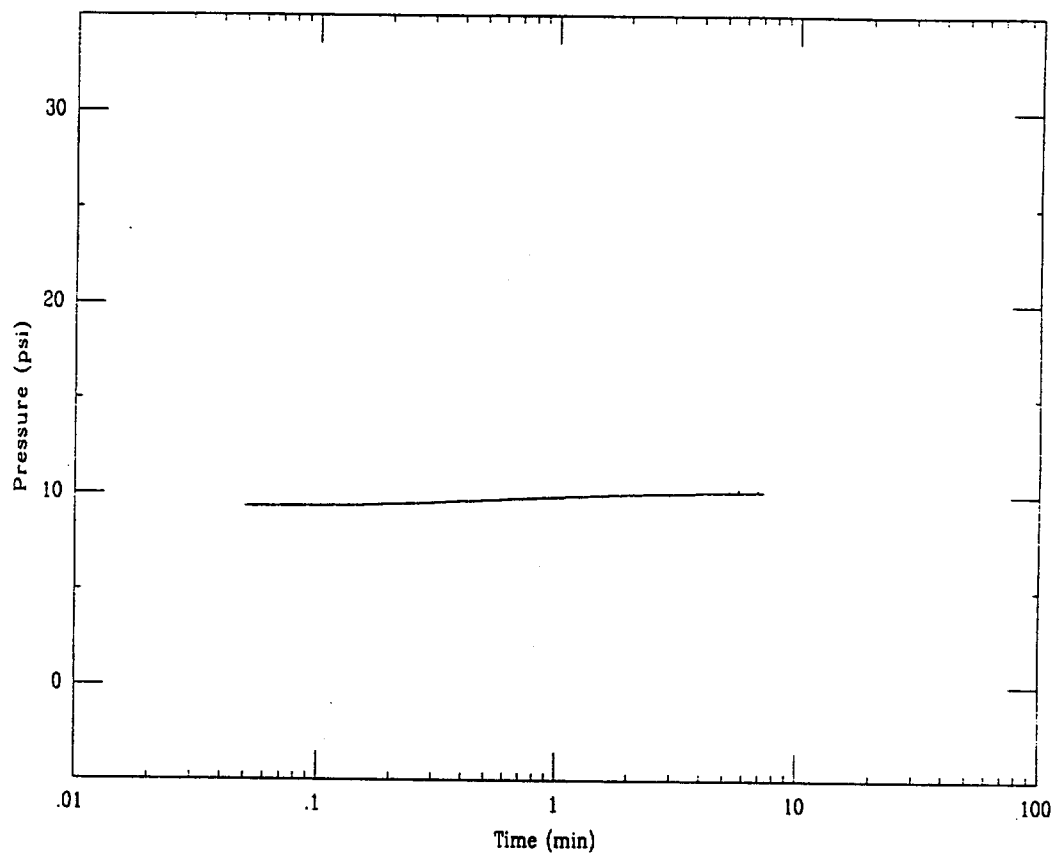
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in ² /s)	Coefficient Lateral Consolidation (cm ² /sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilation	103.0	192.1	6.5	6.60								
	114.1	181.0	11.3	17.17	14.24	81.9	4.0	327.78	27.00	2.60E-03	1.68E-02	7.27E-07

CPT-59

Applied Research Associates

07/15/00

Depth = 99.1 ft Max Pressure = 10.33 psi Pn = 10.17 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-59

Test Date : 7/15/00

Northing : 80152.7 (ft)

Easting : 54956.9 (ft)

Surface Elevation : 295.5 (ft)

Water Table Elevation : 219.8 (ft)

Probe Diameter : 1.75 (in)

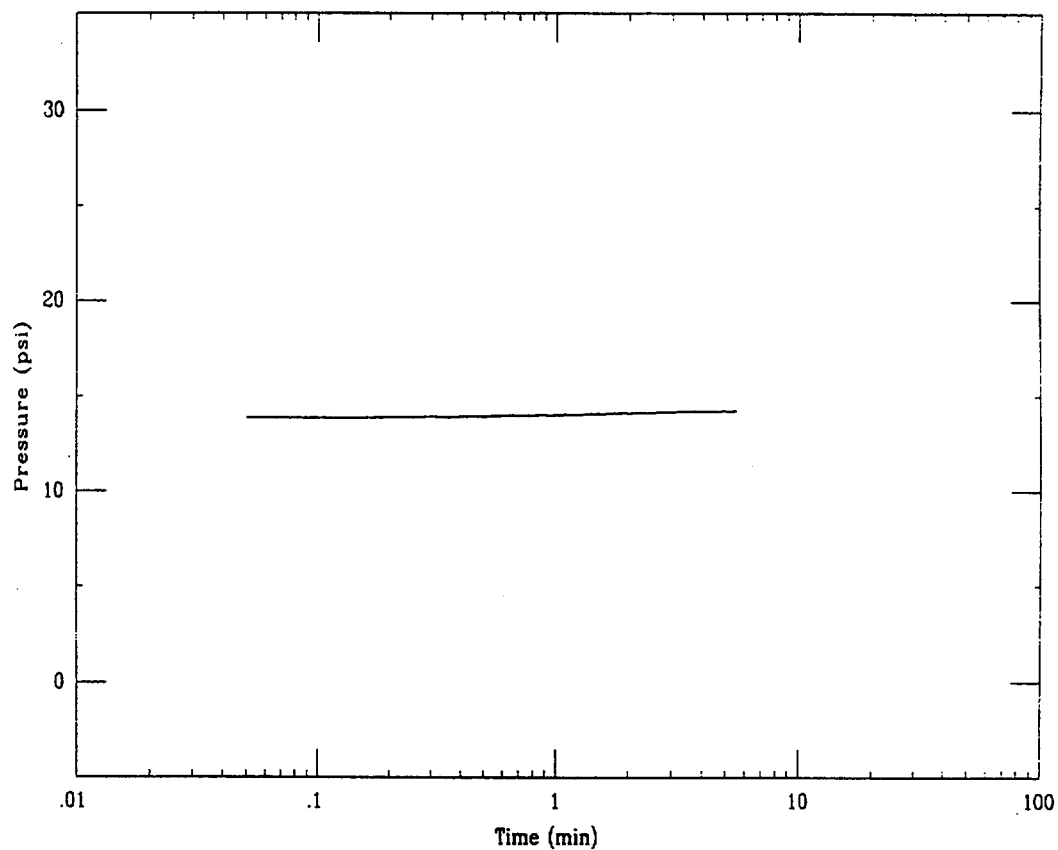
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in ² /s)	Coefficient Lateral Consolidation (cm ² /sec)	Coefficient Lateral Permeability (cm/s)
Immediate dissip.	99.1	196.4	10.1	10.33								

CPT-60

Applied Research Associates

07/15/00

Depth = 99.4 ft Max Pressure = 14.27 psi Pn = 14.23 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-60

Test Date : 7/15/00

Northing : 80142.2 (ft)

Easting : 55140.6 (ft)

Surface Elevation : 295.7 (ft)

Water Table Elevation : 229.1 (ft)

Probe Diameter : 1.75 (in)

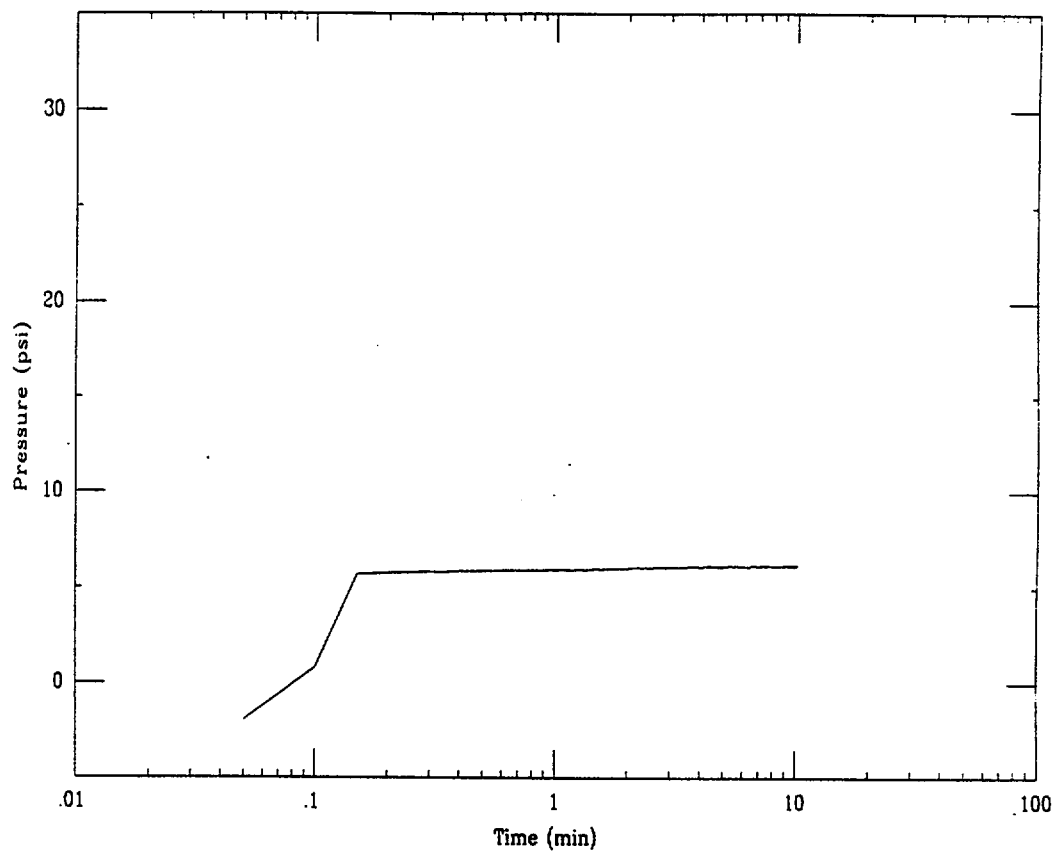
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Immediate dissip.	99.4	196.3	14.2	14.27								

CPT-61

Applied Research Associates

07/21/00

Depth = 90.5 ft Max Pressure = 6.25 psi Pn = 6.19 psi

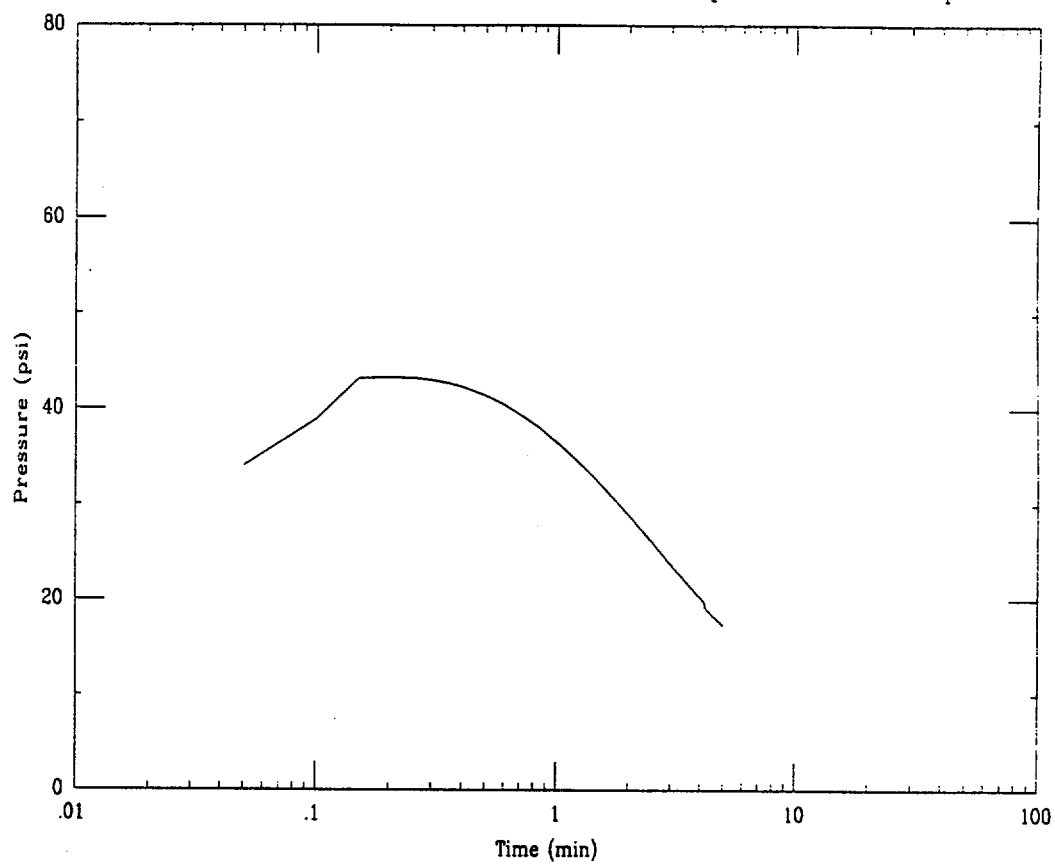


CPT-61

Applied Research Associates

07/21/00

Depth = 97.1 ft Max Pressure = 43.27 psi Pn = 17.78 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-61

Test Date : 7/21/00

Northing : 80037.6 (ft)

Easting : 54869.6 (ft)

Surface Elevation : 279.3 (ft)

Water Table Elevation : 203.0 (ft)

Probe Diameter : 1.75 (in)

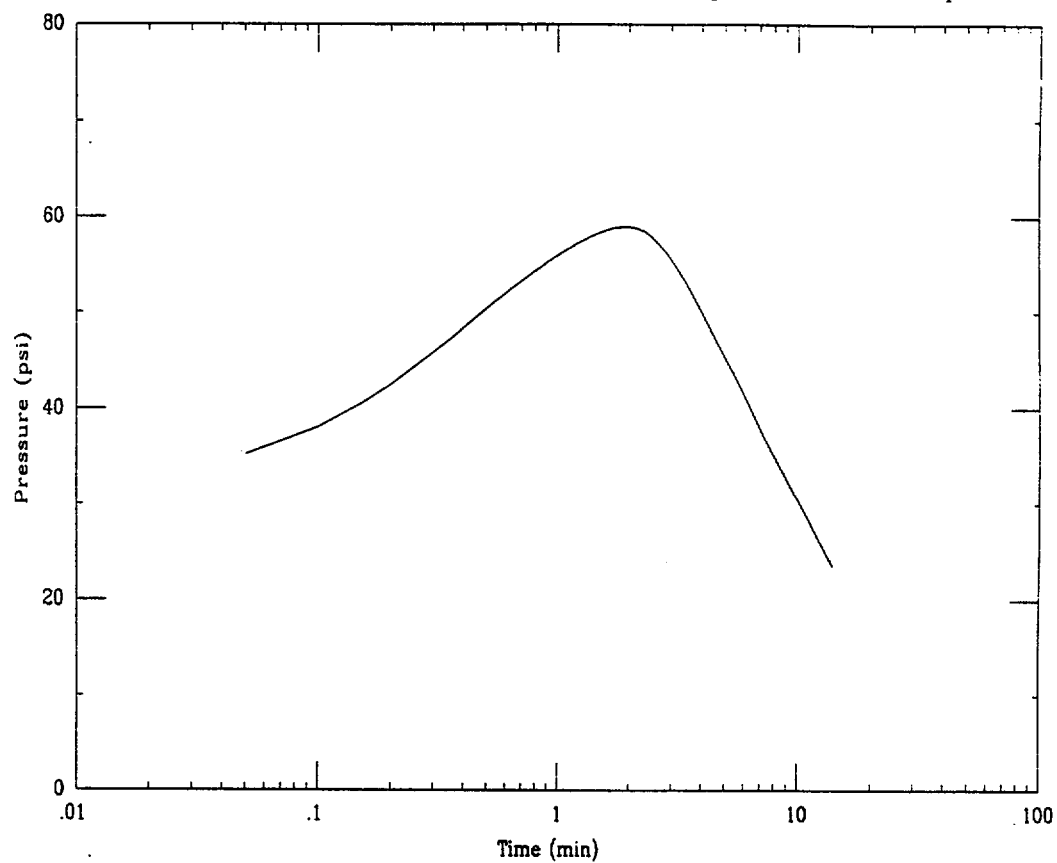
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Soil Dilatation	90.5	188.8	6.2	6.25								
	97.1	182.2	9.0	43.27	26.14	131.9	3.0	395.83	2.50	2.81E-02	1.81E-01	6.51E-06

CPT-62

Applied Research Associates

07/22/00

Depth = 70.8 ft Max Pressure = 58.94 psi Pn = 23.50 psi

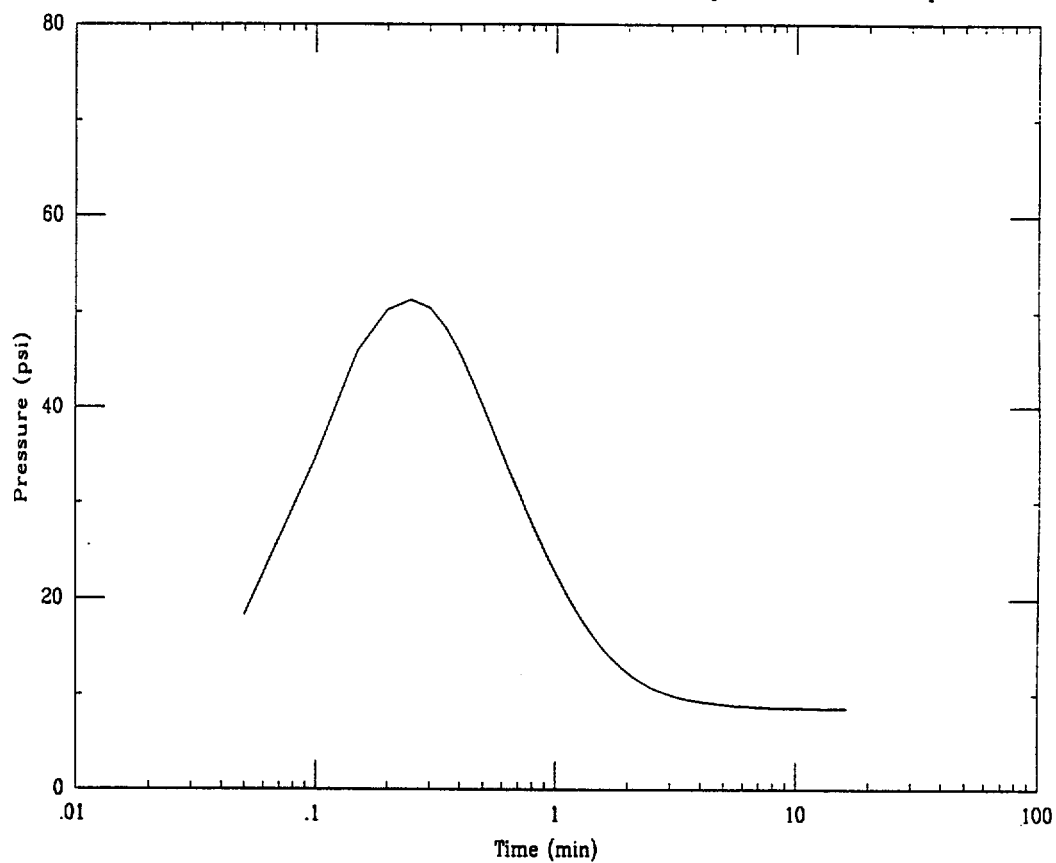


CPT-62

Applied Research Associates

07/22/00

Depth = 95.6 ft Max Pressure = 51.30 psi Pn = 8.57 psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-62

Test Date : 7/22/00

Northing : 80055.6 (ft)

Easting : 54956.3 (ft)

Surface Elevation : 278.5 (ft)

Water Table Elevation : 202.6 (ft)

Probe Diameter : 1.75 (in)

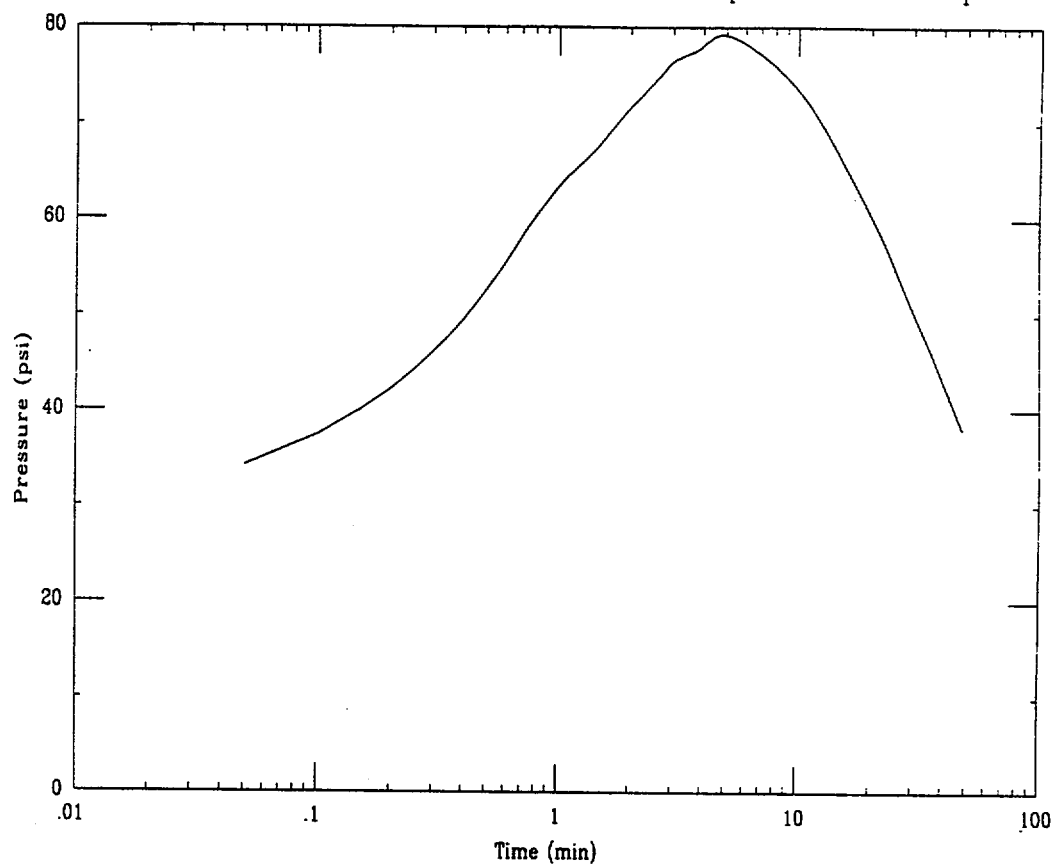
Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in2/s)	Coefficient Lateral Consolidation (cm2/sec)	Coefficient Lateral Permeability (cm/s)
Above GWT	70.8	207.7	-2.2									
	95.6	182.9	8.5	51.30	29.92	205.6	3.0	616.67	0.75	9.36E-02	6.04E-01	1.39E-05

CPT-63

Applied Research Associates

07/22/00

Depth = 104.5 ft Max Pressure = 79.23 psi $P_n = 38.21$ psi



Project : Duke Cogema Stone & Webster

Test Id : CPT-63

Test Date : 7/22/00

Northing : 80066.0 (ft)

Easting : 55055.5 (ft)

Surface Elevation : 279.4 (ft)

Water Table Elevation : 189.4 (ft)

Probe Diameter : 1.75 (in)

Notes	Test Depth (ft)	Test Elev (ft)	Static Pressure (psi)	Maximum Pressure (psi)	50 % Pressure (psi)	Tip Stress (psi)	Alpha	Constrained Modulus (psi)	Time 50 % (min)	Coefficient Lateral Consolidation (in ² /s)	Coefficient Lateral Consolidation (cm ² /sec)	Coefficient Lateral Permeability (cm/s)
	104.5	174.9	6.3	79.23	42.76	273.6	3.0	820.83	40.74	1.72E-03	1.11E-02	1.92E-07

DCS, MFFF Project No. 08716

APPENDIX E
DILATOMETER DATA

Dilatometer SDG. No. GB-115
 Location DMT-10
 Gage Zero LR (bars) 0.00
 Gage Zero HR (bars) 0.20
 GWT Depth (ft) 63.00
 Casing Depth (ft) _____
 Predrill Depth (ft) _____

A avg (bars) 0.05
 B avg (bars) 0.80

Client DCS
 DMT Operator DGC
 Rig Operator JDB
 Rig Type MACK 1
 Rod Type 1.75
 Membrane Type H
 Date: 07-Jul-00

Depth (Ft)	Thrust (psi)	A bars	B bars	C bars	Depth (Ft)	Thrust (psi)	A bars	B bars	C bars
1					51	550	3.15	14.40	NR
2					52	600	4.40	17.40	NR
3					53	600	1.25	16.70	NR
4					54	550	1.85	8.40	NR
5					55	550	4.05	14.70	NR
6					56	400	3.80	14.20	NR
7					57	300	4.00	14.60	NR
8					58	400	4.40	14.00	NR
9					59	400	4.00	15.60	NR
10	BROKE MEMBRANE. PULLING RODS.				60	450	4.15	16.30	NR
11	800	14.20	>20	3.35	61	400	3.30	13.50	NR
12	750	20.00	>20	15.50	62	400	2.75	13.00	NR
13	1100	13.80	>20	2.35	63	400	5.25	10.00	NR
14	1200	9.40	>20	0.00	64	200	4.20	11.60	NR
15	700	10.10	>20	0.00	65	500	2.00	10.80	NR
16	600	9.00	>20	NR	66	500	2.40	11.80	NR
17	500	5.85	16.80	NR	67	500	2.25	8.60	NR
18	500	5.25	17.20	NR	68	450	5.05	17.80	NR
19	400	4.00	15.60	NR	69	500	2.35	10.20	NR
20	400	3.20	13.60	NR	70	400	3.30	13.70	NR
21	600	4.90	19.40	NR	71	500	5.50	13.20	NR
22	700	5.20	>20	NR	72	600	1.65	8.80	NR
23	650	3.55	>20	NR	73	450	1.35	5.55	0.00
24	650	4.70	19.40	NR	74	350	2.65	11.40	0.00
25	700	3.75	18.80	NR	75	200	3.50	11.40	0.00
26	500	4.15	16.60	NR	76	200	5.85	13.40	0.00
27	550	4.30	15.20	NR	77	250	5.85	10.80	0.00
28	NO READINGS FOR THIS DEPTH.				78	250	7.45	13.00	0.10
29	500	4.40	15.80	NR	79	250	12.80	13.60	2.45
30	500	4.05	14.80	NR	80	300	12.60	19.80	2.45
31	500	4.55	15.20	NR	81	600	13.20	>20	3.85
32	400	2.00	10.80	NR	82	400	7.15	8.10	4.95
33	450	1.70	16.80	NR	83	400	15.20	>20	4.75
34	500	1.65	11.40	NR	84	400	11.20	>20	0.35
35	500	2.10	11.60	NR	85	450	11.00	16.20	2.45
36	600	4.15	>20	NR	86	NR	5.55	18.80	0.00
37	550	4.65	17.30	NR	87	800	5.85	>20	0.00
38	750	4.45	>20	NR	88	1150	4.35	18.40	0.00
39	750	8.15	>20	0.00	89	REFUSAL			
40	700	3.70	19.60	NR	90				
41	600	1.85	>20	NR	91				
42	500	3.15	17.40	NR	92				
43	450	8.10	>20	NR	93				
44	500	4.00	17.20	NR	94				
45	500	7.55	>20	NR	95				
46	400	7.75	>20	0.00	96				
47	350	4.35	17.00	NR	97				
48	300	6.65	14.60	0.00	98				
49	500	4.10	19.20	NR	99				
50	600	1.95	12.80	NR	100				

NR = NO READING

Post Calibration :

A avg (bars) 0.10
 B avg (bars) 0.27

Dilatometer SDG. No. GB-133
 Location DMT-15
 Gage Zero LR (bars) 0.00
 Gage Zero HR (bars) 0.20
 GWT Depth (ft) 68.00
 Casing Depth (ft) _____
 Predrill Depth (ft) _____

A avg (bars) 0.10
 B avg (bars) 0.60

Client DCS
 DMT Operator DGC
 Rig Operator JDB
 Rig Type MACK1
 Rod Type 1.75
 Membrane Type H
 Date: 30-Jun-00

Depth (Ft)	Thrust (psi)	A bars	B bars	C bars	Depth (Ft)	Thrust (psi)	A bars	B bars	C bars
1					51	300	4.00	11.00	NR
2					52	250	3.10	12.00	NR
3					53	300	4.05	9.80	NR
4					54	200	1.90	10.70	NR
5					55	200	5.35	7.85	1.20
6					56	350	1.65	12.80	NR
7					57	600	1.65	10.40	NR
8					58	650	ERROR	17.40	NR
9					59	600	2.35	14.40	NR
10	700	10.80	NR	NR	60	400	2.35	6.65	NR
11	700	10.80	28.20	NR	61	250	10.00	15.00	1.85
12	600	9.80	NR	9.40	62	200	5.47	9.60	0.75
13	650	6.65	24.20	NR	63	200	5.95	10.20	0.20
14	650	6.30	NR	17.00	64	550	2.90	15.60	NR
15	600	6.65	22.80	NR	65	600	4.30	14.80	NR
16	600	5.75	21.20	NR	66	800	5.70	>20.00	NR
17	650	6.25	27.80	NR	67	800	4.75	>20.00	NR
18	650	5.05	19.20	NR	68	700	2.80	13.60	NR
19	600	4.65	17.60	NR	69	700	3.25	14.80	NR
20	500	5.65	17.60	NR	70	700	3.95	17.20	NR
21	500	5.35	16.80	NR	71	700	3.35	15.30	NR
22	600	4.30	15.60	NR	72	600	2.85	14.70	NR
23	600	4.45	17.60	NR	73	550	6.55	15.60	NR
24	700	4.70	19.20	NR	74	650	3.75	20.60	NR
25	500	6.55	19.40	NR	75	300	4.15	>20.00	NR
26	400	4.55	16.20	NR	76	750	3.45	17.20	NR
27	400	6.50	20.40	NR	77	750	3.25	17.80	NR
28	400	5.95	26.20	NR	78	650	2.45	11.80	0.00
29	400	2.30	10.00	NR	79	750	2.50	13.20	0.00
30	500	4.25	16.40	NR	80	650	2.30	11.80	0.00
31	600	3.45	14.80	NR	81	800	2.65	14.20	0.00
32	600	3.20	14.20	NR	82	800	3.10	14.80	0.00
33*	550	3.00	NR	2.15	83	800	3.40	16.50	0.00
34	see below				84	600	4.95	16.60	0.05
35	600	4.90	18.80	NR	85	400	4.50	14.00	0.00
36	550	1.55	8.80	NR	86	200	3.30	5.35	0.10
37	3500	1.45	7.75	NR	87	200	5.95	9.20	2.60
38	450	1.25	7.00	NR	88	200	6.65	12.60	1.65
39**	450	1.25		NR	89	250	7.40	13.20	3.30
40	500	1.75		NR	90	200	7.40	10.80	4.05
41	600	1.70	9.40	NR	91	250	7.15	11.60	2.65
42	500	1.60	9.20	NR	92	300	7.20	14.60	0.45
43	500	1.75	8.40	NR	93	400	8.80	11.20	5.30
44	500	1.70	9.80	NR	94	250	4.45	8.60	0.35
45	550	2.95	15.60	NR	95	350	7.90	16.20	0.00
46	600	2.55	13.80	NR	96	550	7.75	16.20	0.00
47	600	4.00	17.00	NR	97	600	4.00	15.00	0.15
48	650	5.45	>20.00	NR	98	650	5.75	19.60	0.25
49	650	2.65	14.00	NR	99	500	5.85	12.60	0.00
50	550	1.40	8.80	NR	100	900	11.20	>20.00	2.35
					101	800	5.35	>20.00	0.30
					102	700	6.15	>20.00	0.30
					103	1100	7.25	>20.00	0.65

NR = NO READING

Notes :

* Pulling DMT. Same cal. Factors as earlier calibration. New max. pressure 400 psi. 33 ft data is suspect.

** New Diaphragm. New Max = 20 bars. A avg. = 0.10 bars. B ave = 0.55 bars.

Post Calibration :

A avg (bars) 0.30
 B avg (bars) 0.10

Dilatometer SDG. No. GB-133
 Location DMT-23
 Gage Zero LR (bars) 0.00
 Gage Zero HR (bars) 0.20
 GWT Depth (ft) 70.00
 Casing Depth (ft) _____
 Predrill Depth (ft) _____

A avg (bars) 0.10
 B avg (bars) 0.70

Client DCS
 DMT Operator DGC
 Rig Operator JDB
 Rig Type MACK 1
 Rod Type 1.75
 Membrane Type H
 Date: 06-Jul-00

Depth (Ft)	Thrust (psi)	A bars	B bars	C bars	Depth (Ft)	Thrust (psi)	A bars	B bars	C bars
1					51	650	3.35	16.20	NR
2					52	750	3.10	15.50	NR
3					53	900	3.00	15.30	NR
4					54	1000	5.15	>20	NR
5					55	800	3.55	15.60	NR
6					56	800	3.45	14.20	NR
7					57	500	2.70	12.50	NR
8					58	650	4.55	17.10	NR
9					59	550	2.75	12.80	NR
10	500	13.80	>20	3.65	60	550	3.35	15.00	NR
11	500	12.70	>20	1.60	61	700	1.80	9.80	NR
12	500	5.05	15.60	NR	62	600	4.45	17.80	NR
13	500	4.55	13.70	NR	63	850	3.15	15.60	NR
14	400	5.40	16.80	NR	64	600	3.35	14.40	NR
15	300	3.25	11.20	NR	65	600	4.25	14.30	NR
16	350	2.75	11.60	NR	66	750	3.35	15.70	NR
17	500	2.45	11.50	NR	67	900	6.00	>20	NR
18	400	3.80	14.10	NR	68	600	3.35	15.60	NR
19	400	3.85	13.90	NR	69	500	3.65	14.60	NR
20	400	4.65	15.80	NR	70	500	2.55	11.40	NR
21	400	5.20	17.00	NR	71	400	9.80	13.80	4.25
22	400	3.55	13.30	NR	72	200	15.00	>20	9.00
23	400	4.95	15.50	NR	73	300	18.80	>20	12.80
24	500	4.60	15.70	NR	74	300	6.85	19.80	0.00
25	400	4.35	14.80	NR	75	300	11.00	15.60	3.55
26	400	4.55	14.80	NR	76	250	8.80	13.80	0.00
27	400	4.80	16.20	NR	77	500	5.45	19.60	NR
28	400	4.60	15.30	NR	78	400	7.35	13.80	0.00
29	600	5.35	16.40	NR	79	300	7.25	16.80	NR
30	500	2.15	10.40	NR	80	450	2.35	11.00	NR
31	500	3.65	14.20	NR	81	400	4.25	13.20	0.00
32	500	4.80	16.20	NR	82	350	4.75	16.00	0.00
33	500	2.25	11.20	NR	83	300	5.75	10.00	0.00
34	600	4.55	16.80	NR	84	350	5.15	9.40	NR
35	650	3.00	14.00	NR	85	400	5.80	19.90	0.00
36	700	3.15	13.40	NR	86	550	6.75	>20	0.00
37	650	2.25	12.00	NR	87	700	2.85	12.20	0.00
38	600	4.00	16.20	NR	88	600	5.20	12.40	0.00
39	700	1.70	9.40	NR	89	600	4.65	11.60	0.00
40	700	1.55	8.80	NR	90	600	4.05	15.20	0.00
41	550	2.25	12.60	NR	91	600	5.25	19.60	0.00
42	550	7.65	>20	NR	92	650	6.15	>20	0.00
43.4	500	4.85	>20	NR	93	700	5.90	>20	0.00
44	500	1.95	>20	NR	94	550	4.85	16.60	0.00
45	450	5.70	>20	NR	95	850	3.95	14.80	0.00
46	500	2.65	13.00	NR	96	1050	5.15	>20	0.00
47	550	1.35	8.80	NR	97	1300	7.30	>20	0.00
48	600	2.95	14.60	NR	98	1300			
49	600	2.20	12.20	NR	99	1100	5.05	>20	0.00
50	800	2.15	12.50	NR	100.2	600	3.15	12.20	0.00
NR = NO READING					101	500	6.80	15.00	0.00
					102	200	8.00	12.50	2.65
					103	200	8.40	13.60	2.60
					104	250	>20	NR	NR
					105	150	>20	NR	NR
					106	150	ERROR		
					107	350	>20	NR	NR
					108	400	>20	NR	NR

Post Calibration :
 A avg (bars) 0.10
 B avg (bars) 0.70

Notes :
 * AT 45 FEET, PULLING RODS, GOT 4 READINGS OF >20 FOR B-VALUE
 CHANGED DIAPHRAM AND RECALIBRATING AT 45 FEET
 DEPTHS 42 TO 45 THE B-VALUE IS QUESTIONABLE

Dilatometer SDG. No. GB-133
 Location DMT-25
 Gage Zero LR (bars) 0.00
 Gage Zero HR (bars) 0.20
 GWT Depth (ft) 68.00
 Casing Depth (ft) _____
 Predrill Depth (ft) _____

A avg (bars) 0.15
 B avg (bars) 0.25

Client DCS
 DMT Operator DGC
 Rig Operator JDB
 Rig Type MACK 1
 Rod Type 1.75
 Membrane Type H
 Date: 01-Jul-00

Depth (Ft)	Thrust (psi)	A bars	B bars	C bars	Depth (Ft)	Thrust (psi)	A bars	B bars	C bars
1					51	350	5.35	11.00	0.00
2					52	200	6.10	11.80	0.15
3					53	400	5.95	10.40	0.30
4					54	400	1.15	10.00	NR
5					55	400	2.50	10.40	NR
6					56	300	3.55	9.60	NR
7					57	300	4.45	11.20	0.00
8					58	400	4.35	16.00	NR
9					59	450	1.35	6.35	NR
10	600	12.00	>20	1.90	60	550	4.45	16.80	NR
11	550	12.40	>20	1.95	61	600	2.55	12.20	NR
12	450	11.80	>20	1.65	62	550	2.00	10.20	NR
13	500	10.00	>20	0.80	63	550	1.25	6.75	NR
14	500	10.20	>20	1.05	64	500	3.25	13.60	NR
15	700	5.35	>20	NR	65	500	3.35	13.30	NR
16	800	12.40	>20	2.75	66	550	3.45	14.30	NR
17	550	12.40	>20	2.40	67	450	1.85	8.00	NR
18	700	10.20	>20	1.55	68	400	3.40	12.90	NR
19	750	12.60	>20	2.15	69	550	1.45	6.55	NR
20	1000	11.60	>20	2.05	70	500	2.80	12.00	NR
21	1200	13.20	>20	3.65	71	600	2.20	9.80	NR
22	1100	8.80	>20	NR	72	700	1.45	6.70	NR
23	700	11.60	>20	1.55	73	650	1.40	7.25	NR
24	550	2.75	13.20	2.85	74	500	1.35	7.25	NR
25	550	5.55	19.80	NR	75	600	1.75	10.50	NR
26	600	4.65	18.00	NR	76	500	1.70	10.00	NR
27	600	4.10	15.80	NR	77	500	1.30	6.25	0.00
28	600	2.05	11.40	NR	78	500	1.75	7.45	0.00
29	600	1.45	7.85	NR	79	600	1.95	10.50	0.00
30	600	2.45	13.20	NR	80	700	1.75	10.30	0.00
31	650	3.65	15.20	NR	81	750	2.00	10.80	0.00
32	600	3.80	15.60	NR	82	1000	5.25	>20	0.00
33	600	3.35	15.00	NR	83	1200	5.65	>20	0.00
34	600	3.35	14.60	NR	84				
35	600	4.15	15.70	NR	85				
36	500	4.15	15.40	NR	86				
37	500	1.55	7.30	NR	87				
38	500	3.60	14.20	NR	88				
39	500	3.30	14.50	NR	89				
40.4	450	2.94	12.60	NR	90				
41	500	2.45	11.80	NR	91				
42	700	4.75	18.30	NR	92				
43	700	3.55	15.20	NR	93				
44	700	6.55	>20	NR	94				
45	700	10.00	>20	0.85	95				
46	700	3.35	15.60	NR	96				
47	550	2.00	9.50	NR	97				
48	500	3.55	14.00	NR	98				
49	450	6.45	19.30	NR	99				
50	400	4.55	15.20	NR	100				

NR = NO READING

Post Calibration :

A avg (bars) 0.10
 B avg (bars) 0.20

Dilatometer SDG. No. GB-133
 Location DMT-29
 Gage Zero LR (bars) _____
 Gage Zero HR (bars) _____
 GWT Depth (ft) 70.00
 Casing Depth (ft) _____
 Predrill Depth (ft) _____

A avg (bars) 0.10
 B avg (bars) 0.60

Client DCS
 DMT Operator DGC
 Rig Operator JDB
 Rig Type MACK 1
 Rod Type 1.75
 Membrane Type H
 Date: 29-Jun-00

Depth (Ft)	Thrust (psi)	A bars	B bars	C bars	Depth (Ft)	Thrust (psi)	A bars	B bars	C bars
1	1800	20.80	55.80	NR	51	550	4.00	16.60	NR
2	1700	19.60	52.00	NR	52	600	1.85	8.60	NR
3	1200	13.00	38.00	NR	53	600	2.00	9.20	NR
4	800	8.40	24.20	NR	54	600	1.55	9.00	NR
5	400	3.40	13.00	0.15	55	600	1.75	8.20	NR
6	450	3.50	11.60	NR	56	600	1.95	10.20	NR
7	400	3.60	11.00	NR	57	700	1.85	9.60	NR
8	500	3.60	12.00	NR	58	700	1.75	9.00	NR
9	500	5.30	17.00	NR	59	650	2.00	10.70	NR
10	850	8.30	27.60	NR	60	650	2.25	11.80	NR
11	1300	18.80	50.00	NR	61	700	1.95	11.60	NR
12	1400	14.20	42.00	NR	62	700	3.20	15.00	NR
13	800	11.80	18.80	1.80	63	600	3.40	14.80	NR
14	300	11.80	21.60	0.50	64	600	4.25	17.20	NR
15	500	10.40	24.80	0.15	65	550	2.05	9.70	NR
16	700	6.35	22.60	NR	66	400	4.40	15.00	NR
17	700	7.25	21.60	NR	67	250	7.85	13.20	2.70
18	800	11.40	29.20	NR	68	200	17.00	24.20	6.60
19	800	8.60	23.20	NR	69	250	9.60	13.80	3.65
20	800	7.85	20.80	NR	70	200	11.60	17.80	9.00
21	800	6.15	19.40	NR	71	700	10.20	29.20	NR
22	700	6.60	20.00	NR	72	700	8.80	29.00	NR
23	700	4.80	17.00	NR	73	500	5.35	11.60	2.70
24	750	6.90	22.00	NR	74	400	5.25	11.60	NR
25	750	5.70	20.20	NR	75	450	5.15	17.20	NR
26	NR	NR	NR	NR	76	450	2.20	11.40	NR
27*	NR	NR	NR	NR	77	500	2.15	13.00	NR
28	750	3.75	16.20	NR	78	350	4.30	8.05	NR
29	800	4.25	17.80	NR	79	200	5.45	10.20	NR
30	700	2.80	12.20	NR	80	150	4.85	10.00	NR
31	650	2.60	12.10	NR	81	200	4.65	9.60	NR
32	650	3.05	14.20	NR	82	500	4.35	14.80	NR
33	650	4.95	18.00	NR	83	400	5.80	16.40	NR
34	700	2.45	13.00	NR	84	500	3.60	14.65	NR
35	800	2.05	11.60	NR	85	500	3.60	14.00	NR
36	700	1.40	7.25	NR	86	600	3.65	14.00	NR
37	500	1.10	6.30	NR	87	700	3.75	13.60	0.00
38	500	5.90	15.30	NR	88	600	4.35	13.80	0.00
39	500	2.35	10.80	NR	89	500	4.00	11.40	0.00
40	500	2.65	12.30	NR	90	500	2.55	12.40	0.00
41	450	4.45	17.10	NR	91	650	1.85	9.80	0.00
42	550	1.45	10.60	NR	92	800	3.05	14.20	0.00
43	600	1.15	7.75	NR	93	900	3.15	17.20	0.00
44	550	1.45	9.00	NR	94	1200	4.55	19.80	0.00
45	500	1.95	10.60	NR	95	1600	11.00	47.20	0.00
46	500	1.60	7.75	NR	96				
47	550	1.45	9.00	NR	97				
48	550	1.55	10.60	NR	98				
49	700	1.60	9.80	NR	99				
50	600	1.75	9.80	NR	100				

NR = NO READING

Notes :

* Vane oriented parallel to E-W sides of MOX building.

** Test with diaphragm split at 28 ft test depth. Replaced blade , installed H diaphragm.

Post Calibration :

A avg (bars) 0.125
 B avg (bars) 0.300