HR Vertilog

Magnetic Flux Leakage Inspection

Advanced Analysis

Company	Southern California Gas Company
Well	Standard Sesnon 4B
Field	Aliso canyon
County	Los Angeles
State	California
Location:	

Section 27	Township 3N	Range 16W	

Date	Aug. 19, 2016
Service Order	US108887
Recorded by	B. Deal
Witnessed by	T. McMahon
API Serial No.	04-037-30460

Permanent Datum:	G.L.	Elevation:	2888.000 ft.	Depth	7860.000
Log Measured From:	K.B.	22.500	ft. above Perm. Datum	Btm. Log Interval	7860.000
Drilling Measured From:	K.B.	22.500	ft. above Perm. Datum	Top Log Interval	0.000
				Fluid Type	KCL

Casing Data

Size	Weight	Grade	From	To	Length
9 5/8 inch	47.0 lb/ft	L-80	-38.9	7851.7	7890.6
13 3/8 inch	54.5 lb/ft	K55		1436	1436.0

Software Version 7.4.0.1

Equipment Data

Run	Trip	Tool Type	Tool Series	Serial Number	Position
1	1	HRVRT MFL	4995	PB10409822	LOWER
1	1	HRVRT MFL	4995	QB10409830	UPPER
1	1	HRVRT TELEM	4993	EA10350727	

Calibration Data

Calibration File Name	4997-9-001-PA10409822-U.CAL
Date of Calibration	06/16/2016 16:01
Calibration Identifier	2C565780-F2F4-4E39-9D7D-50C3EFF227B9
Tool Number	4997-00

Calibrator Number	4997-9-001
Calibrator Size	(9-5/8 In - 238 mm)
Calibration Source File	20160616_125305_MEM.MVL
Calibration Software Rev	Microvision 32-bit 7.3.4.0
Comment	RMA1333

Calibration Data

Calibration File Name	4997-9-001-QA10409830-L.CAL
Date of Calibration	06/16/2016 16:01
Calibration Identifier	2C565780-F2F4-4E39-9D7D-50C3EFF227B9
Tool Number	4997-00
Calibrator Number	4997-9-001
Calibrator Size	(9-5/8 In - 238 mm)
Calibration Source File	20160616_125305_MEM.MVL
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Comment	RMA1333

In making interpretations of logs our employees will give customer the benefit of their best judgment. But since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the customer resulting from any interpretation made by any of our employees.

Interpretation

-16.68 ft Hardware - External casing head response.
227.67 ft Hardware - Centralizer
321.25 ft Hardware - Centralizer
417.01 ft Hardware - Centralizer
509.73 ft Hardware - Centralizer
599.71 ft Hardware - Centralizer
689.65 ft Hardware - Centralizer
780.10 ft Hardware - Centralizer
870.97 ft Hardware - Centralizer
1008.96 ft Hardware - Centralizer
1101.57 ft Hardware - Centralizer
1193.19 ft Hardware - Centralizer
1284.24 ft Hardware - Centralizer
1330.91 ft Hardware - Centralizer
1394.76 ft Hardware - Bottom of 13 3/8" external casing.
1423.92 ft Hardware - Centralizer
1516.30 ft Hardware - Centralizer
1607.87 ft Hardware - Centralizer
1700.27 ft Hardware - Centralizer
1746.02 ft Hardware - Centralizer
1885.14 ft Hardware - Centralizer
1975.88 ft Hardware - Centralizer
2068.12 ft Hardware - Centralizer
2158.72 ft Hardware - Centralizer
2252.34 ft Hardware - Centralizer
2341.73 ft Hardware - Centralizer
2434.73 ft Hardware - Centralizer
2525.97 ft Hardware - Centralizer
2619.11 ft Hardware - Centralizer
2711.18 ft Hardware - Centralizer
2804.70 ft Hardware - Centralizer

2898.44 ft	Hardware - Centralizer
2989.08 ft	Hardware - Centralizer
3122.96 ft	Hardware - Centralizer
3215.45 ft	Hardware - Centralizer
3305.25 ft	Hardware - Centralizer
3395.97 ft	Hardware - Centralizer
3488.50 ft	Hardware - Centralizer
3580.79 ft	Hardware - Centralizer
3673.04 ft	Hardware - Centralizer
3765.11 ft	Hardware - Centralizer
3854.02 ft	Hardware - Centralizer
3948.49 ft	Hardware - Centralizer
4036.87 ft	Hardware - Centralizer
4124.21 ft	Hardware - Centralizer
4214.83 ft	Hardware - Centralizer
4308.78 ft	Hardware - Centralizer
4399.96 ft	Hardware - Centralizer
4492.22 ft	Hardware - Centralizer
4582.83 ft	Hardware - Centralizer
4675.69 ft	Hardware - Centralizer
4766.01 ft	Hardware - Centralizer
4857.44 ft	Hardware - Centralizer
4947.11 ft	Hardware - Centralizer
5038.31 ft	Hardware - Centralizer
5126.39 ft	Hardware - Centralizer
5222.90 ft	Hardware - Centralizer
5315.21 ft	Hardware - Centralizer
5408.01 ft	Hardware - Centralizer
5497.64 ft	Hardware - Centralizer
5588.90 ft	Hardware - Centralizer
5727.08 ft	Hardware - Centralizer
5773.69 ft	Hardware - Centralizer
5866.18 ft	Hardware - Centralizer
5957.97 ft	Hardware - Centralizer
6050.73 ft	Hardware - Centralizer
6141.84 ft	Hardware - Centralizer
6234.65 ft	Hardware - Centralizer
6324.00 ft	Hardware - Centralizer
6416.77 ft	Hardware - Centralizer
6503.23 ft	Hardware - Centralizer
6593.82 ft	Hardware - Centralizer
6685.65 ft	Hardware - Centralizer
6774.01 ft	Hardware - Centralizer
6865.81 ft	Hardware - Centralizer
6957.54 ft	Hardware - Centralizer
7049.30 ft	Hardware - Centralizer
7095.11 ft	Hardware - Centralizer
7141.10 ft	Hardware - Centralizer
7188.38 ft	Hardware - Centralizer
7234.89 ft	Hardware - Centralizer
7281.11 ft	Hardware - Centralizer
7325.27 ft	Hardware - Centralizer
7371.72 ft	Hardware - Centralizer
7416.51 ft	Hardware - Centralizer
7463.04 ft	Hardware - Centralizer
7507.76 ft	Hardware - Centralizer
7554.07 ft	Hardware - Centralizer
7597.70 ft	Hardware - Centralizer
7642.01 ft	Hardware - Centralizer
7688.40 ft	Hardware - Centralizer
7733.88 ft	Hardware - Centralizer

Joint Interpretation Summary

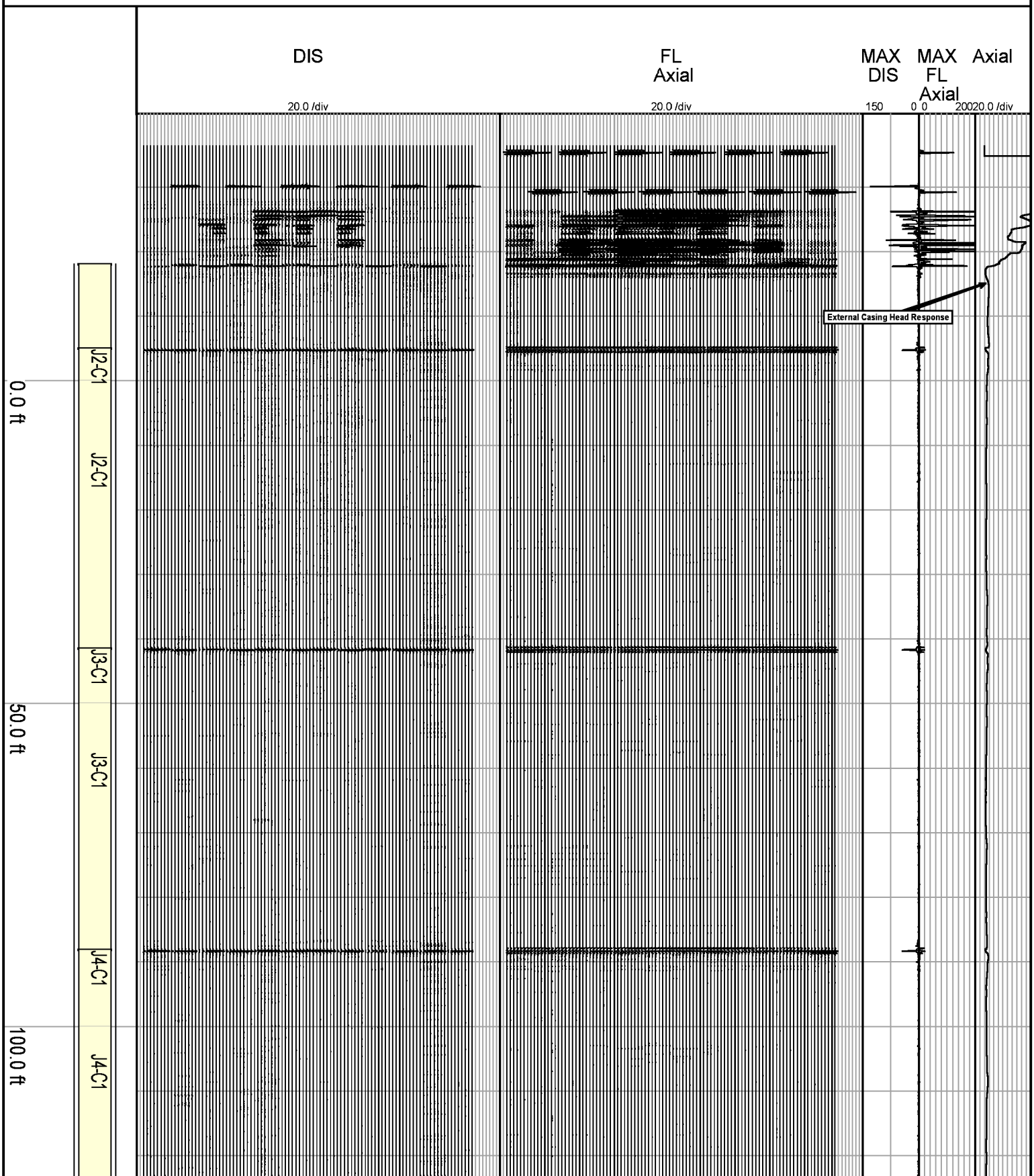
Joint	From	To	Length	Class	Max Depth	Position	ID/OD
1	-17.98	-4.92	13.06	Class 1	-	-	-
2	-4.92	41.53	46.45	Class 1	-	-	-
3	41.53	88.19	46.66	Class 1	-	-	-
4	88.19	134.32	46.13	Class 1	-	-	-
5	134.32	180.04	45.72	Class 1	-	-	-
6	180.04	227.48	47.44	Class 1	-	-	-
7	227.48	273.73	46.25	Class 1	-	-	-
8	273.73	321.47	47.74	Class 1	-	-	-
9	321.47	368.81	47.34	Class 1	-	-	-
10	368.81	417.20	48.39	Class 1	-	-	-
11	417.20	464.99	47.79	Class 1	-	-	-
12	464.99	509.92	44.93	Class 1	-	-	-
13	509.92	555.39	45.47	Class 2	23.0%	526.34	OD
14	555.39	599.86	44.47	Class 1	-	-	-
15	599.86	644.53	44.67	Class 1	-	-	-
16	644.53	689.86	45.33	Class 1	-	-	-
17	689.86	735.75	45.89	Class 1	-	-	-
18	735.75	780.26	44.51	Class 1	-	-	-
19	780.26	825.76	45.50	Class 1	-	-	-
20	825.76	871.18	45.42	Class 1	-	-	-
21	871.18	916.69	45.51	Class 1	-	-	-
22	916.69	962.02	45.33	Class 1	-	-	-
23	962.02	1008.73	46.71	Class 1	-	-	-
24	1008.73	1054.52	45.79	Class 1	-	-	-
25	1054.52	1101.38	46.86	Class 1	-	-	-
26	1101.38	1147.18	45.80	Class 1	-	-	-
27	1147.18	1193.43	46.25	Class 1	-	-	-
28	1193.43	1238.12	44.69	Class 1	-	-	-
29	1238.12	1284.05	45.93	Class 1	-	-	-
30	1284.05	1330.81	46.76	Class 1	-	-	-
31	1330.81	1377.13	46.32	Class 1	-	-	-
32	1377.13	1423.67	46.54	Class 1	-	-	-
33	1423.67	1469.61	45.94	Class 1	-	-	-
34	1469.61	1516.38	46.77	Class 1	-	-	-
35	1516.38	1561.78	45.40	Class 1	-	-	-
36	1561.78	1608.05	46.27	Class 1	-	-	-
37	1608.05	1653.89	45.84	Class 1	-	-	-
38	1653.89	1700.09	46.20	Class 1	-	-	-
39	1700.09	1746.14	46.05	Class 1	-	-	-
40	1746.14	1792.43	46.29	Class 1	-	-	-
41	1792.43	1838.96	46.53	Class 1	-	-	-
42	1838.96	1885.31	46.35	Class 1	-	-	-
43	1885.31	1929.78	44.47	Class 1	-	-	-
44	1929.78	1975.59	45.81	Class 1	-	-	-
45	1975.59	2020.97	45.38	Class 1	-	-	-
46	2020.97	2067.94	46.97	Class 1	-	-	-
47	2067.94	2112.23	44.29	Class 1	-	-	-
48	2112.23	2158.49	46.26	Class 1	-	-	-
49	2158.49	2204.71	46.22	Class 1	-	-	-
50	2204.71	2252.11	47.40	Class 1	-	-	-
51	2252.11	2295.35	43.24	Class 1	-	-	-
52	2295.35	2341.53	46.18	Class 1	-	-	-
53	2341.53	2387.55	46.02	Class 1	-	-	-
54	2387.55	2434.58	47.03	Class 1	-	-	-

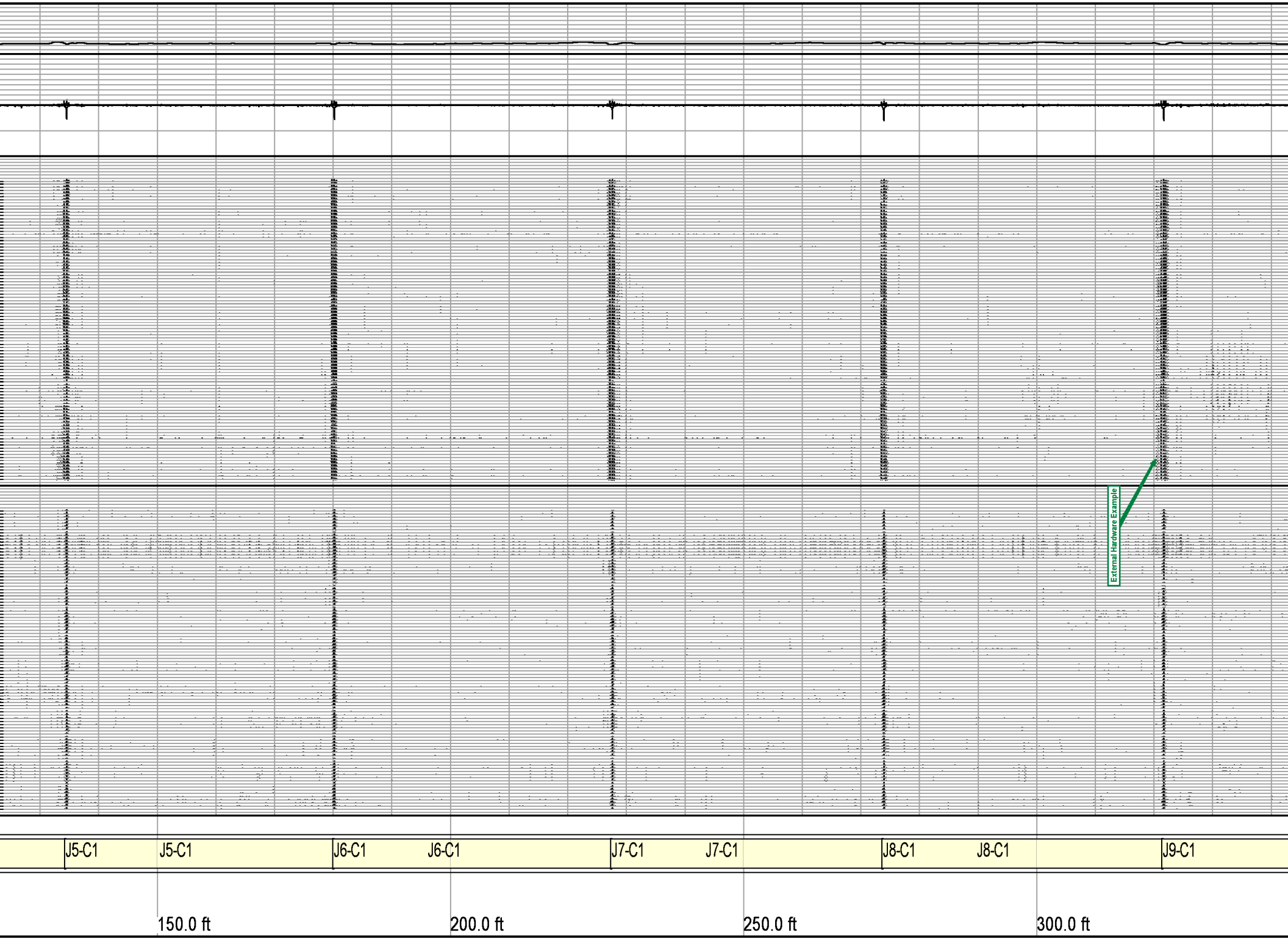
54	2387.88	2434.58	46.70	Class	1	-	-	-
55	2434.58	2479.68	45.10	Class	1	-	-	-
56	2479.68	2525.79	46.11	Class	1	-	-	-
57	2525.79	2571.91	46.12	Class	1	-	-	-
58	2571.91	2618.83	46.92	Class	1	-	-	-
59	2618.83	2665.04	46.21	Class	1	-	-	-
60	2665.04	2710.97	45.93	Class	1	-	-	-
61	2710.97	2757.32	46.35	Class	1	-	-	-
62	2757.32	2804.50	47.18	Class	1	-	-	-
63	2804.50	2851.54	47.04	Class	1	-	-	-
64	2851.54	2898.30	46.76	Class	1	-	-	-
65	2898.30	2942.79	44.49	Class	1	-	-	-
66	2942.79	2989.01	46.22	Class	1	-	-	-
67	2989.01	3032.93	43.92	Class	1	-	-	-
68	3032.93	3079.50	46.57	Class	1	-	-	-
69	3079.50	3122.84	43.34	Class	1	-	-	-
70	3122.84	3169.04	46.20	Class	1	-	-	-
71	3169.04	3215.15	46.11	Class	1	-	-	-
72	3215.15	3261.55	46.40	Class	1	-	-	-
73	3261.55	3304.99	43.44	Class	1	-	-	-
74	3304.99	3351.16	46.17	Class	1	-	-	-
75	3351.16	3395.68	44.52	Class	1	-	-	-
76	3395.68	3442.02	46.34	Class	1	-	-	-
77	3442.02	3488.20	46.18	Class	1	-	-	-
78	3488.20	3534.39	46.19	Class	2	25.0%	3504.41	OD
79	3534.39	3580.58	46.19	Class	2	23.0%	3576.82	OD
80	3580.58	3626.61	46.03	Class	2	25.0%	3581.35	OD
81	3626.61	3672.82	46.21	Class	1	-	-	-
82	3672.82	3719.15	46.33	Class	2	22.0%	3690.88	OD
83	3719.15	3764.91	45.76	Class	1	-	-	-
84	3764.91	3811.27	46.36	Class	1	-	-	-
85	3811.27	3853.83	42.56	Class	1	-	-	-
86	3853.83	3900.95	47.12	Class	1	-	-	-
87	3900.95	3948.28	47.33	Class	1	-	-	-
88	3948.28	3993.24	44.96	Class	1	-	-	-
89	3993.24	4039.55	46.31	Class	1	-	-	-
90	4039.55	4082.50	42.95	Class	1	-	-	-
91	4082.50	4127.03	44.53	Class	1	-	-	-
92	4127.03	4172.95	45.92	Class	1	-	-	-
93	4172.95	4218.38	45.43	Class	1	-	-	-
94	4218.38	4264.87	46.49	Class	1	-	-	-
95	4264.87	4312.05	47.18	Class	1	-	-	-
96	4312.05	4357.98	45.93	Class	2	26.0%	4347.28	OD
97	4357.98	4403.01	45.03	Class	1	-	-	-
98	4403.01	4449.41	46.40	Class	1	-	-	-
99	4449.41	4495.06	45.65	Class	1	-	-	-
100	4495.06	4540.66	45.60	Class	1	-	-	-
101	4540.66	4585.98	45.32	Class	1	-	-	-
102	4585.98	4632.25	46.27	Class	1	-	-	-
103	4632.25	4679.08	46.83	Class	1	-	-	-
104	4679.08	4722.36	43.28	Class	1	-	-	-
105	4722.36	4768.35	45.99	Class	1	-	-	-
106	4768.35	4813.94	45.59	Class	1	-	-	-
107	4813.94	4859.98	46.04	Class	1	-	-	-
108	4859.98	4904.36	44.38	Class	1	-	-	-
109	4904.36	4949.87	45.51	Class	1	-	-	-
110	4949.87	4996.06	46.19	Class	2	27.0%	4983.34	ID
111	4996.06	5041.11	45.05	Class	1	-	-	-
112	5041.11	5086.36	45.25	Class	1	-	-	-
113	5086.36	5131.40	45.04	Class	1	-	-	-
114	5131.40	5177.32	45.92	Class	1	-	-	-
115	5177.32	5222.67	45.35	Class	2	21.0%	5204.50	OD
116	5222.67	5268.87	46.20	Class	1	-	-	-

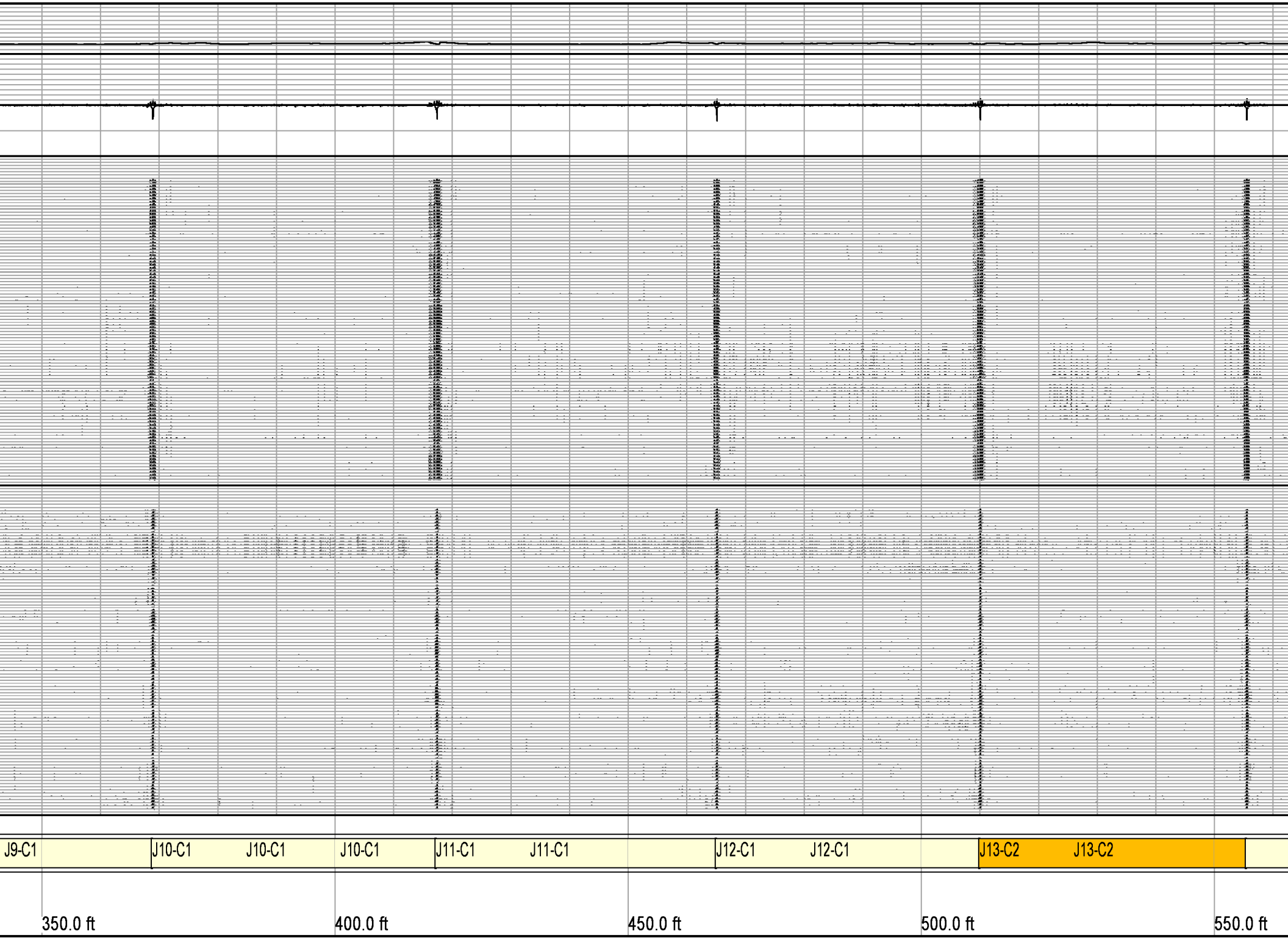
117	5268.87	5314.94	46.07	Class	1	-	-	-
118	5314.94	5361.94	47.00	Class	1	-	-	-
119	5361.94	5407.72	45.78	Class	1	-	-	-
120	5407.72	5454.37	46.65	Class	1	-	-	-
121	5454.37	5497.38	43.01	Class	1	-	-	-
122	5497.38	5543.36	45.98	Class	1	-	-	-
123	5543.36	5588.69	45.33	Class	1	-	-	-
124	5588.69	5633.73	45.04	Class	1	-	-	-
125	5633.73	5680.07	46.34	Class	1	-	-	-
126	5680.07	5726.81	46.74	Class	1	-	-	-
127	5726.81	5773.53	46.72	Class	1	-	-	-
128	5773.53	5819.83	46.30	Class	1	-	-	-
129	5819.83	5865.98	46.15	Class	1	-	-	-
130	5865.98	5911.86	45.88	Class	1	-	-	-
131	5911.86	5957.72	45.86	Class	1	-	-	-
132	5957.72	6005.03	47.31	Class	1	-	-	-
133	6005.03	6050.56	45.53	Class	1	-	-	-
134	6050.56	6096.33	45.77	Class	1	-	-	-
135	6096.33	6141.52	45.19	Class	1	-	-	-
136	6141.52	6188.07	46.55	Class	1	-	-	-
137	6188.07	6234.47	46.40	Class	1	-	-	-
138	6234.47	6278.96	44.49	Class	1	-	-	-
139	6278.96	6323.84	44.88	Class	1	-	-	-
140	6323.84	6370.06	46.22	Class	1	-	-	-
141	6370.06	6416.63	46.57	Class	1	-	-	-
142	6416.63	6457.48	40.85	Class	1	-	-	-
143	6457.48	6503.12	45.64	Class	1	-	-	-
144	6503.12	6548.10	44.98	Class	1	-	-	-
145	6548.10	6593.51	45.41	Class	1	-	-	-
146	6593.51	6640.22	46.71	Class	1	-	-	-
147	6640.22	6685.41	45.19	Class	1	-	-	-
148	6685.41	6730.37	44.96	Class	1	-	-	-
149	6730.37	6773.73	43.36	Class	1	-	-	-
150	6773.73	6819.99	46.26	Class	1	-	-	-
151	6819.99	6865.71	45.72	Class	1	-	-	-
152	6865.71	6911.48	45.77	Class	1	-	-	-
153	6911.48	6957.40	45.92	Class	1	-	-	-
154	6957.40	7002.51	45.11	Class	1	-	-	-
155	7002.51	7049.22	46.71	Class	1	-	-	-
156	7049.22	7094.93	45.71	Class	1	-	-	-
157	7094.93	7140.98	46.05	Class	1	-	-	-
158	7140.98	7188.11	47.13	Class	1	-	-	-
159	7188.11	7234.68	46.57	Class	2	26.0%	7189.98	OD
160	7234.68	7280.90	46.22	Class	1	-	-	-
161	7280.90	7325.08	44.18	Class	1	-	-	-
162	7325.08	7371.57	46.49	Class	2	24.0%	7363.10	OD
163	7371.57	7416.37	44.80	Class	1	-	-	-
164	7416.37	7462.91	46.54	Class	1	-	-	-
165	7462.91	7507.50	44.59	Class	1	-	-	-
166	7507.50	7553.87	46.37	Class	1	-	-	-
167	7553.87	7597.57	43.70	Class	1	-	-	-
168	7597.57	7641.97	44.40	Class	1	-	-	-
169	7641.97	7688.19	46.22	Class	1	-	-	-
170	7688.19	7733.73	45.54	Class	1	-	-	-
171	7733.73	7767.75	34.02	Class	1	-	-	-

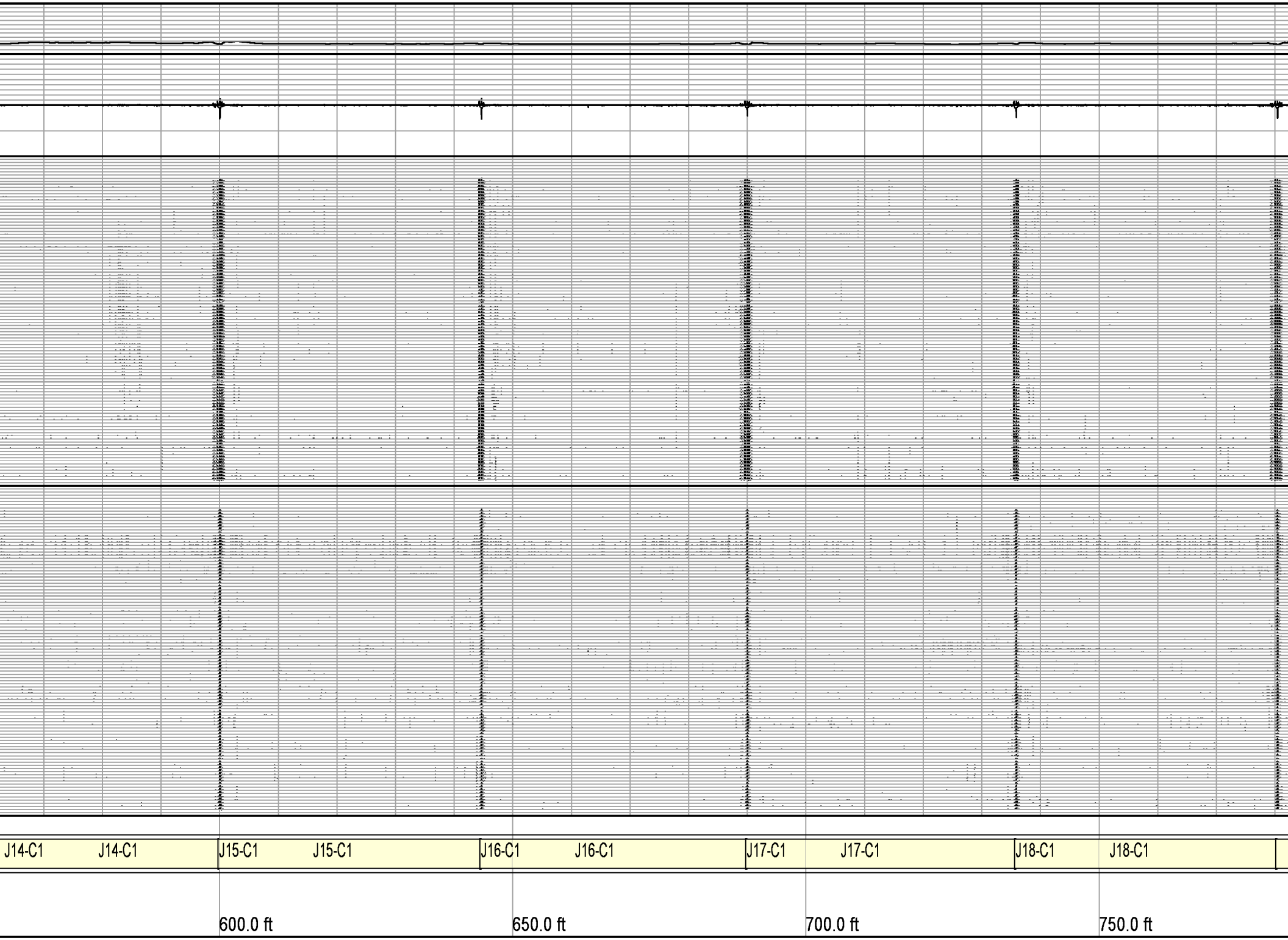
Main Section
5"/100'

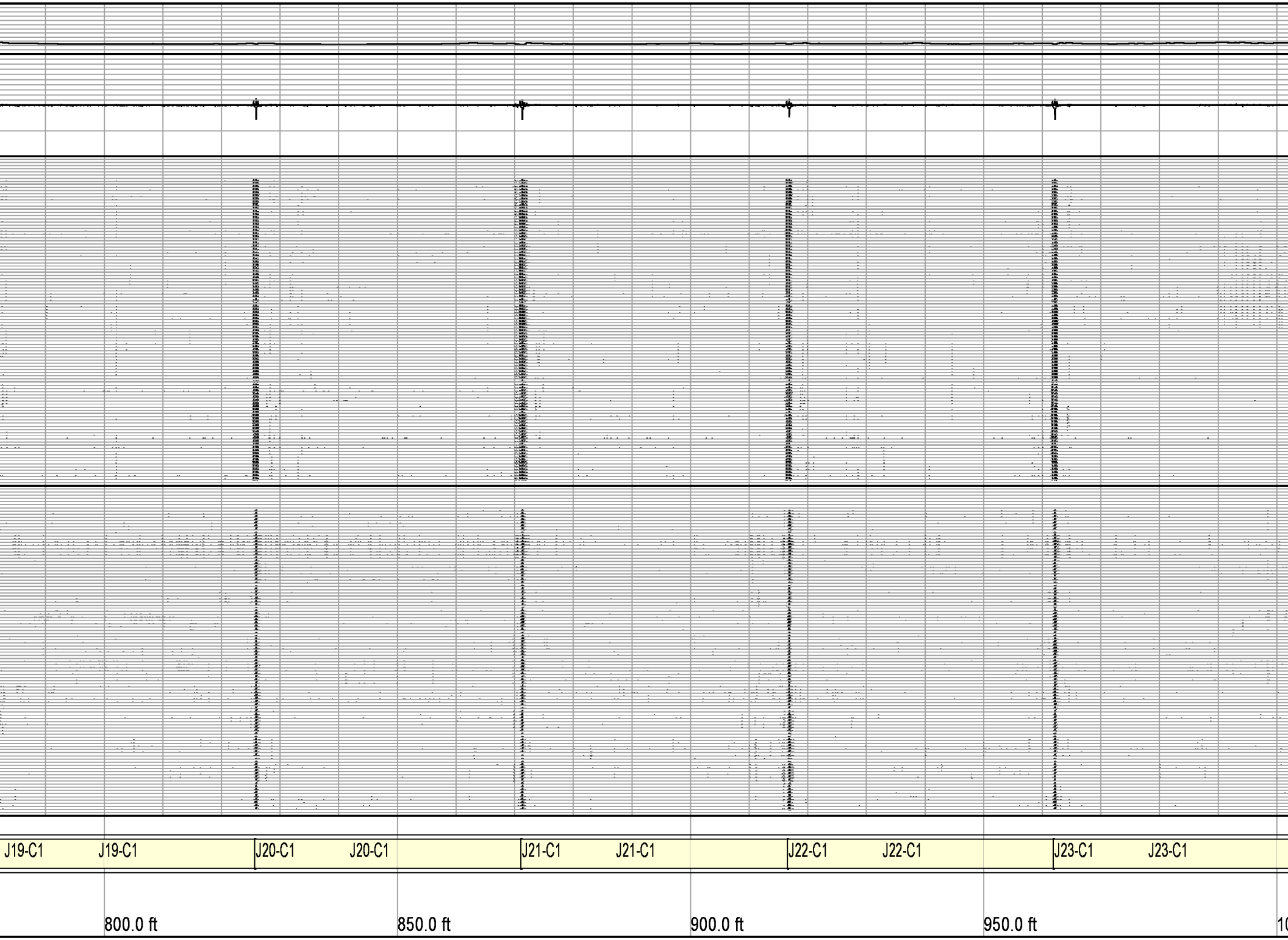
Class 1	Class 2	Class 3	Class 4
0 - 20%	20 - 40%	40 - 60%	60 - 100%

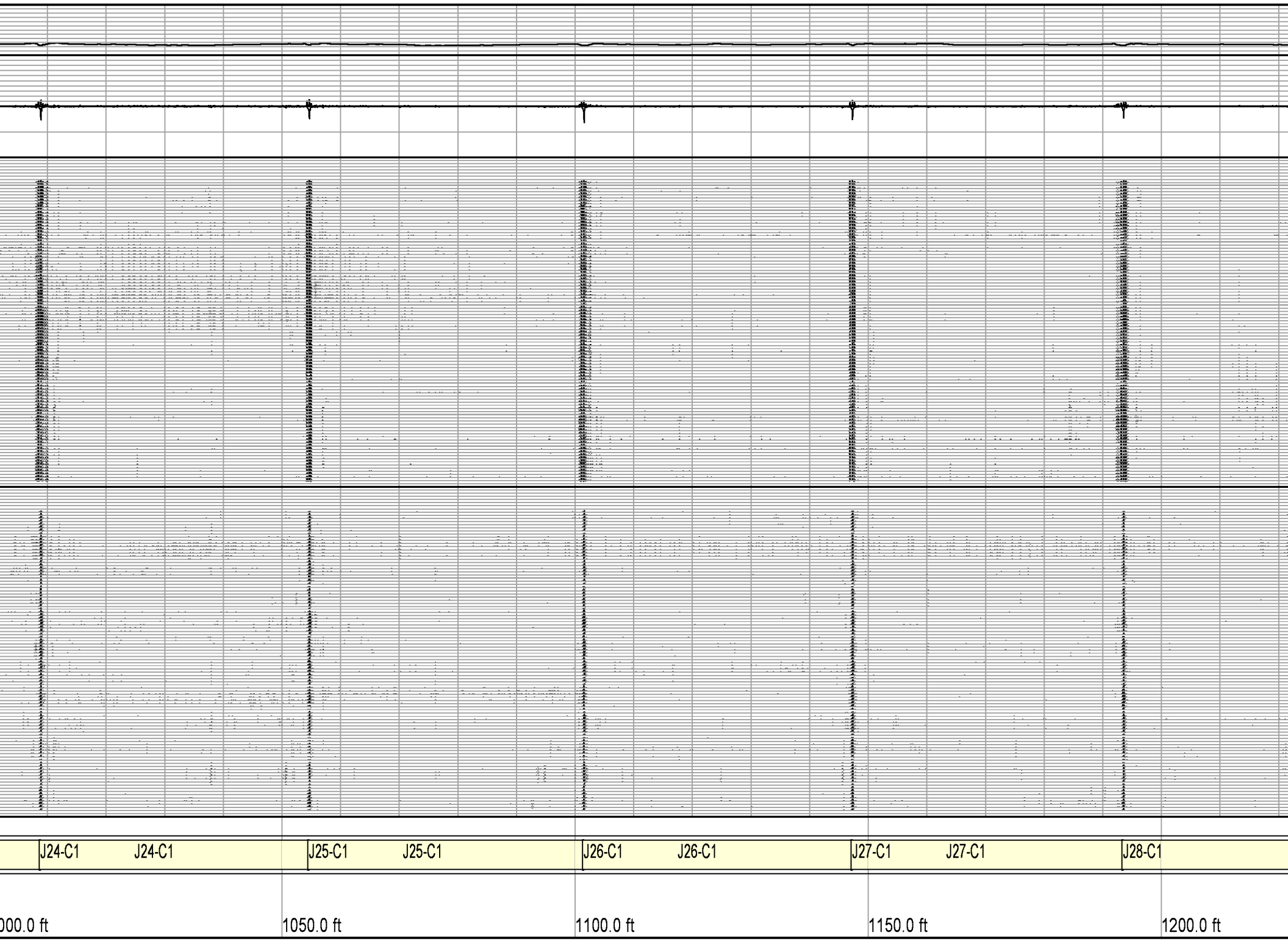


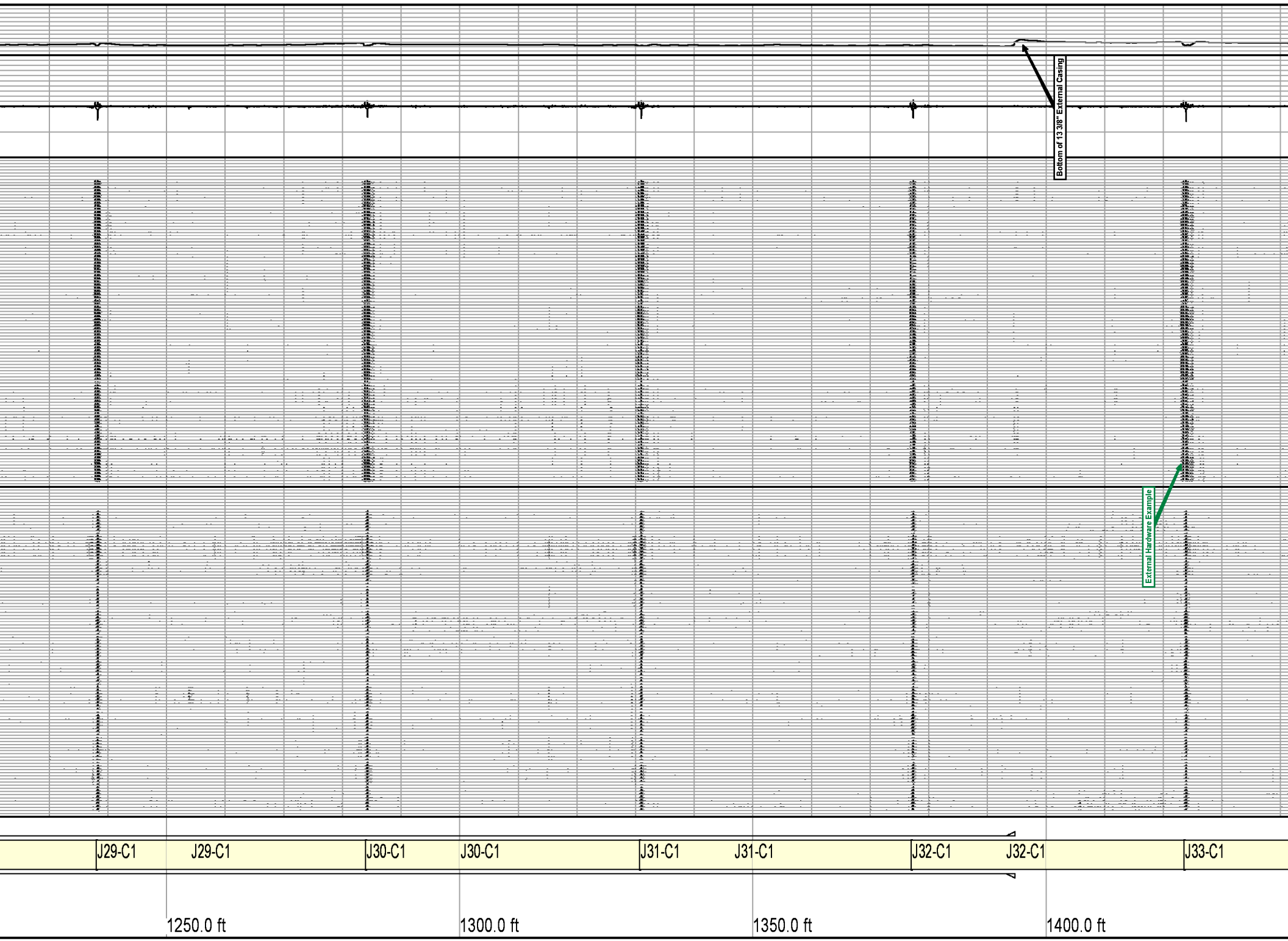

External Hardware Example
J5-C1
J5-C1
J6-C1
J6-C1
J7-C1
J7-C1
J8-C1
J8-C1
J9-C1
150.0 ft
200.0 ft
250.0 ft
300.0 ft

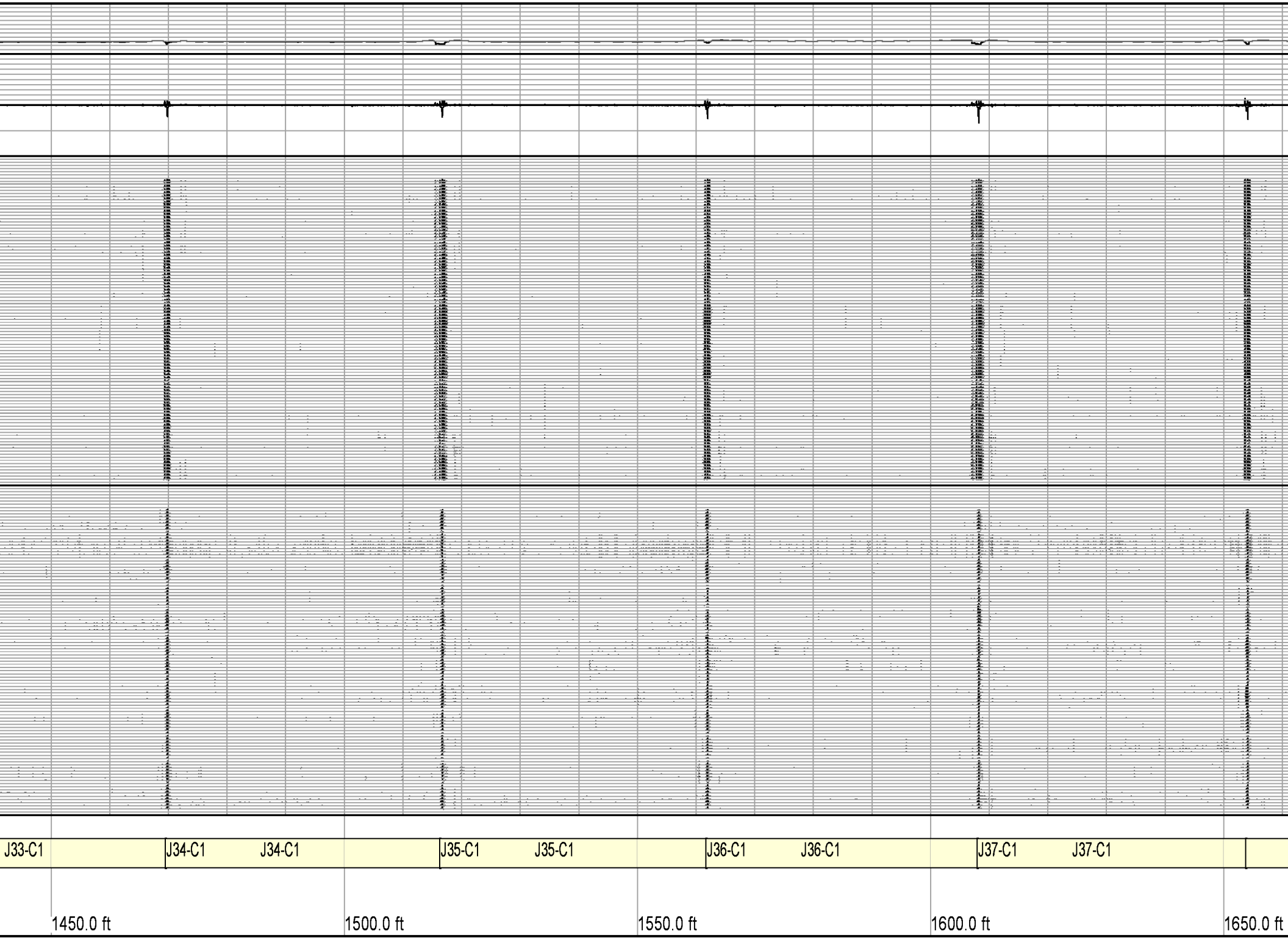

J9-C1
J10-C1
J10-C1
J10-C1
J11-C1
J11-C1
J12-C1
J12-C1
J13-C2
J13-C2
350.0 ft
400.0 ft
450.0 ft
500.0 ft
550.0 ft

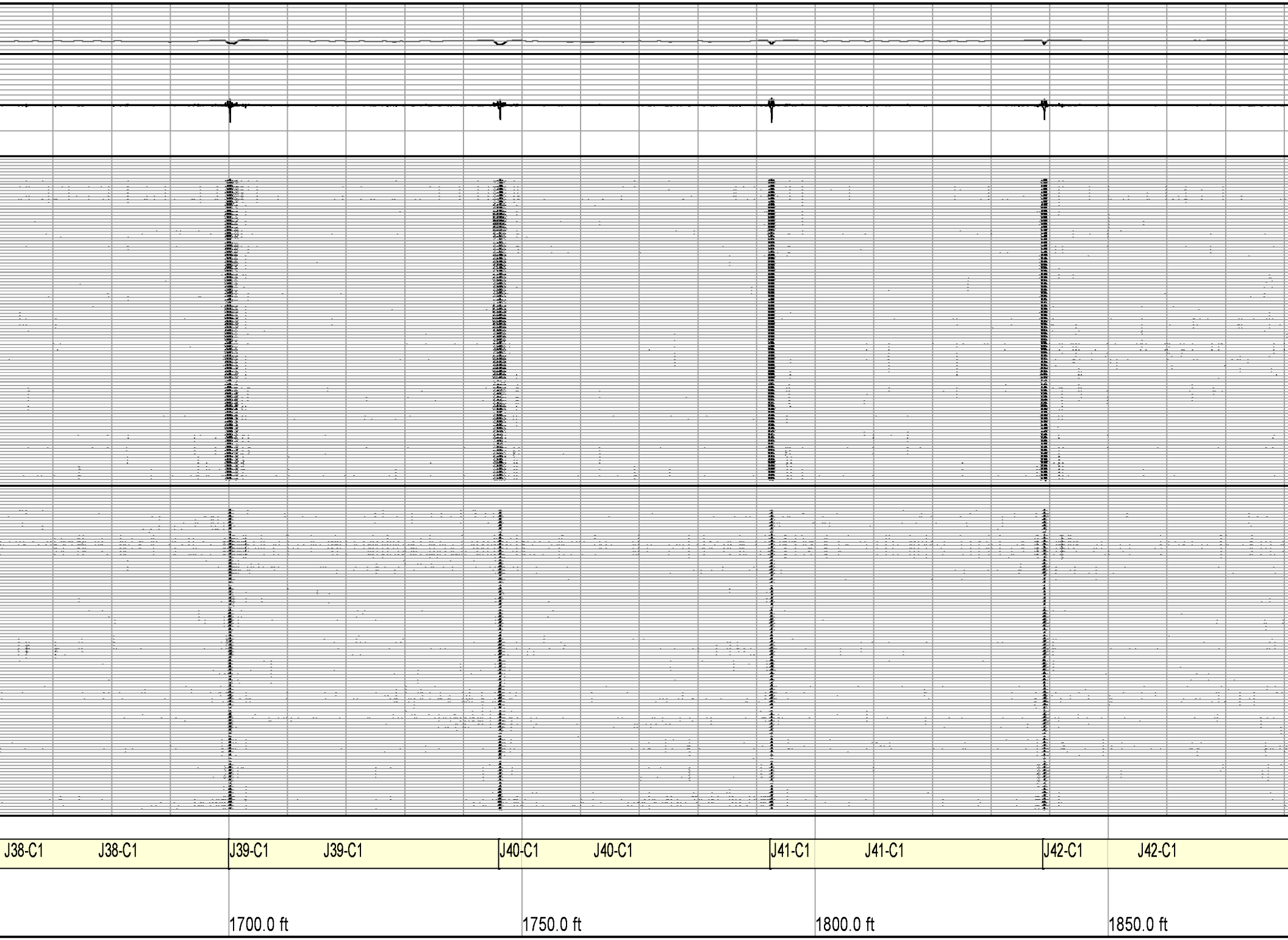

J14-C1
J14-C1
J15-C1
J15-C1
J16-C1
J16-C1
J17-C1
J17-C1
J18-C1
J18-C1
600.0 ft
650.0 ft
700.0 ft
750.0 ft

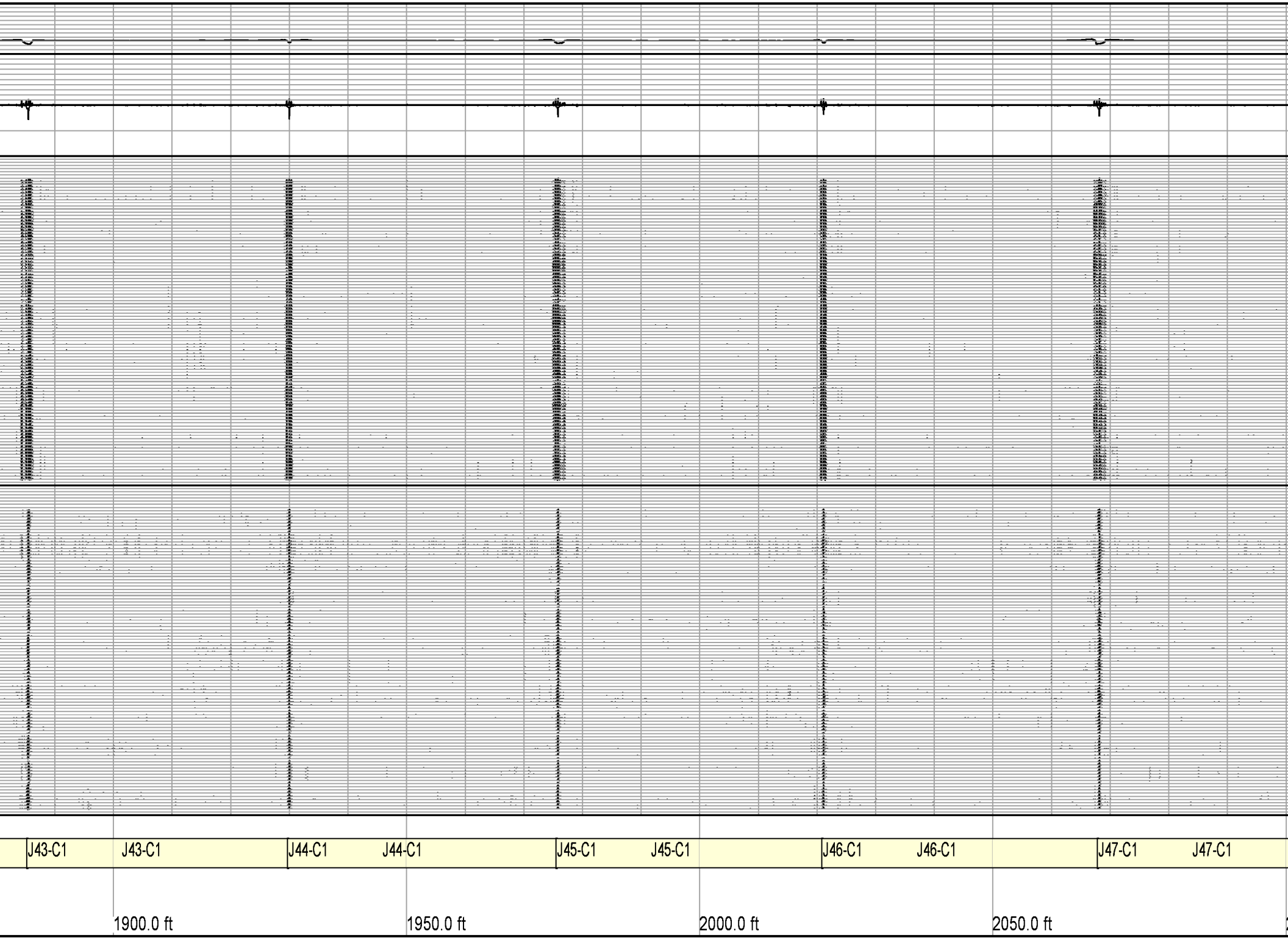

J19-C1
J19-C1
J20-C1
J20-C1
J21-C1
J21-C1
J22-C1
J22-C1
J23-C1
J23-C1
800.0 ft
850.0 ft
900.0 ft
950.0 ft

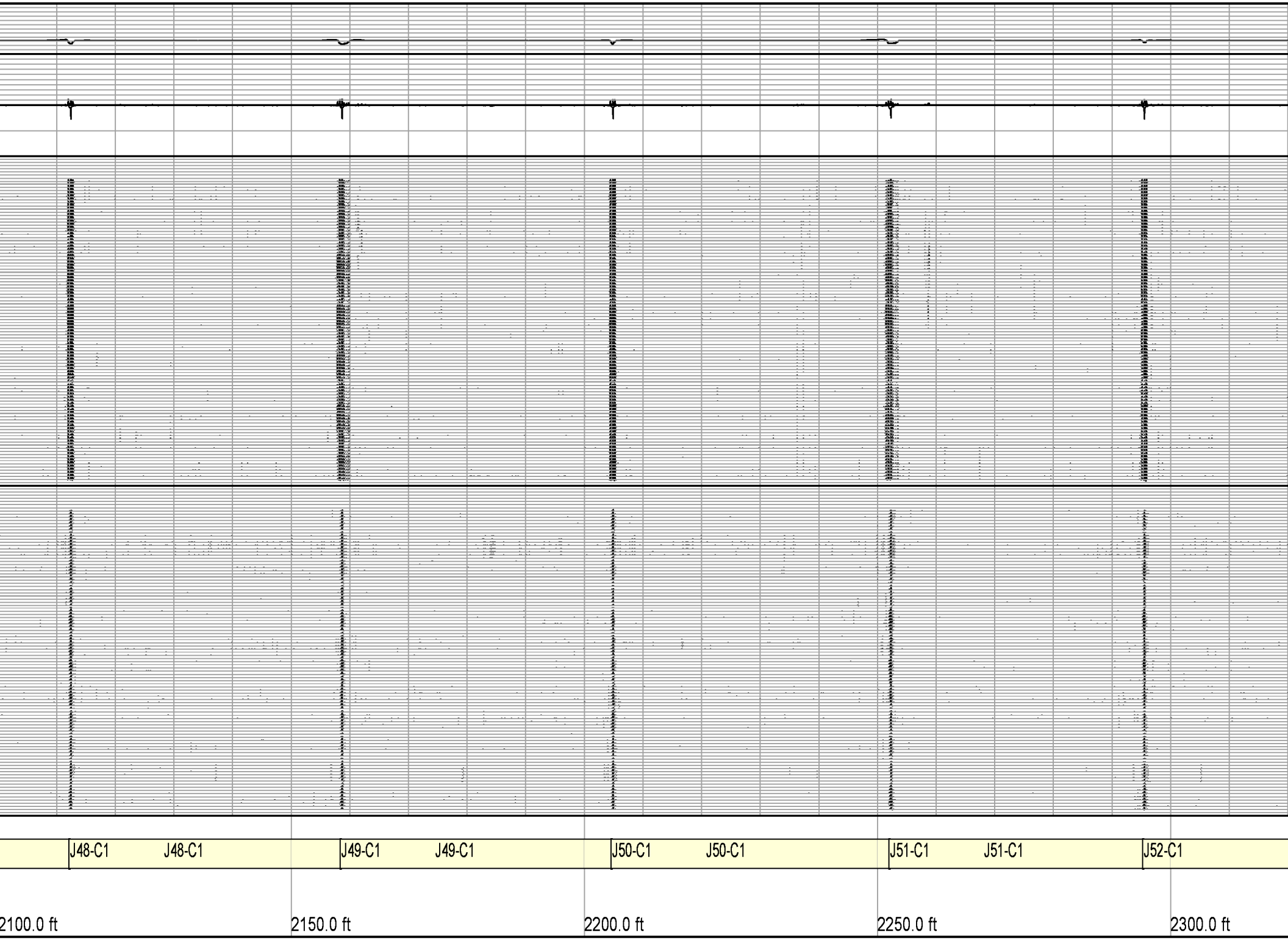

J24-C1
J24-C1
J25-C1
J25-C1
J26-C1
J26-C1
J27-C1
J27-C1
J28-C1
000.0 ft
1050.0 ft
1100.0 ft
1150.0 ft
1200.0 ft

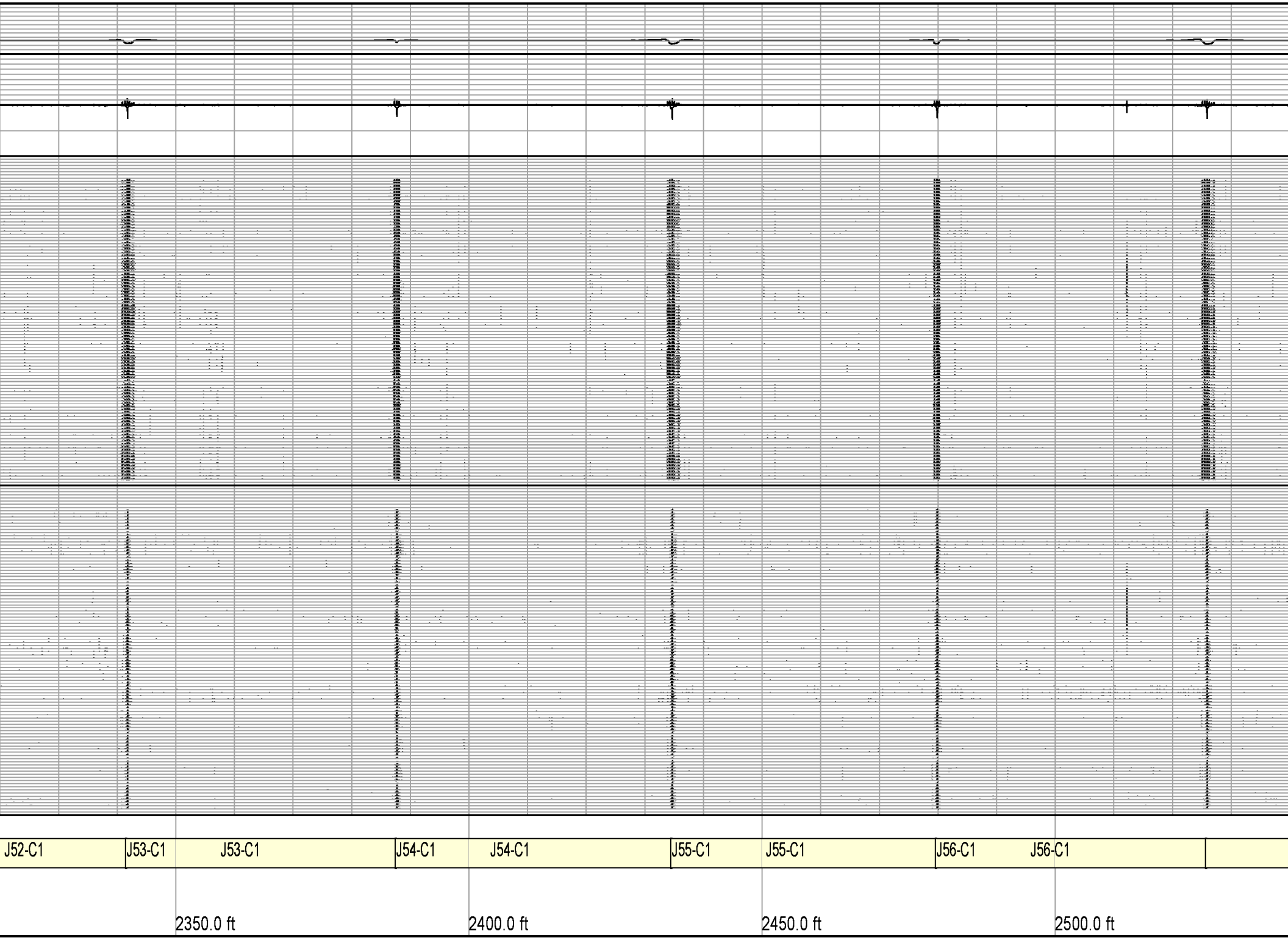

Bottom of 13 3/8" External Casing
External Hardware Example
J29-C1
J29-C1
J30-C1
J30-C1
J31-C1
J31-C1
J32-C1
J32-C1
J33-C1
1250.0 ft
1300.0 ft
1350.0 ft
1400.0 ft

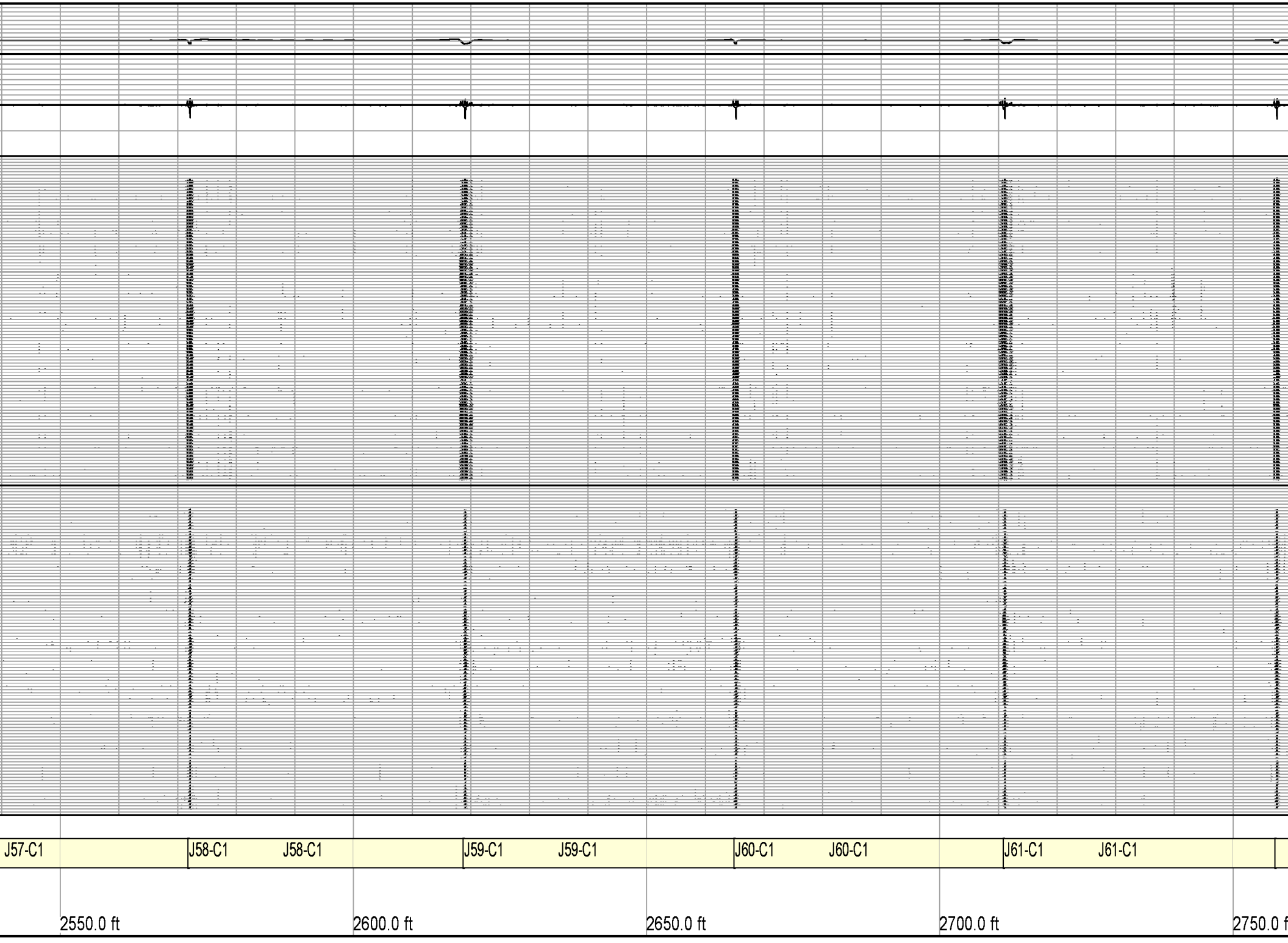

J33-C1
J34-C1
J34-C1
J35-C1
J35-C1
J36-C1
J36-C1
J37-C1
J37-C1
1450.0 ft
1500.0 ft
1550.0 ft
1600.0 ft
1650.0 ft

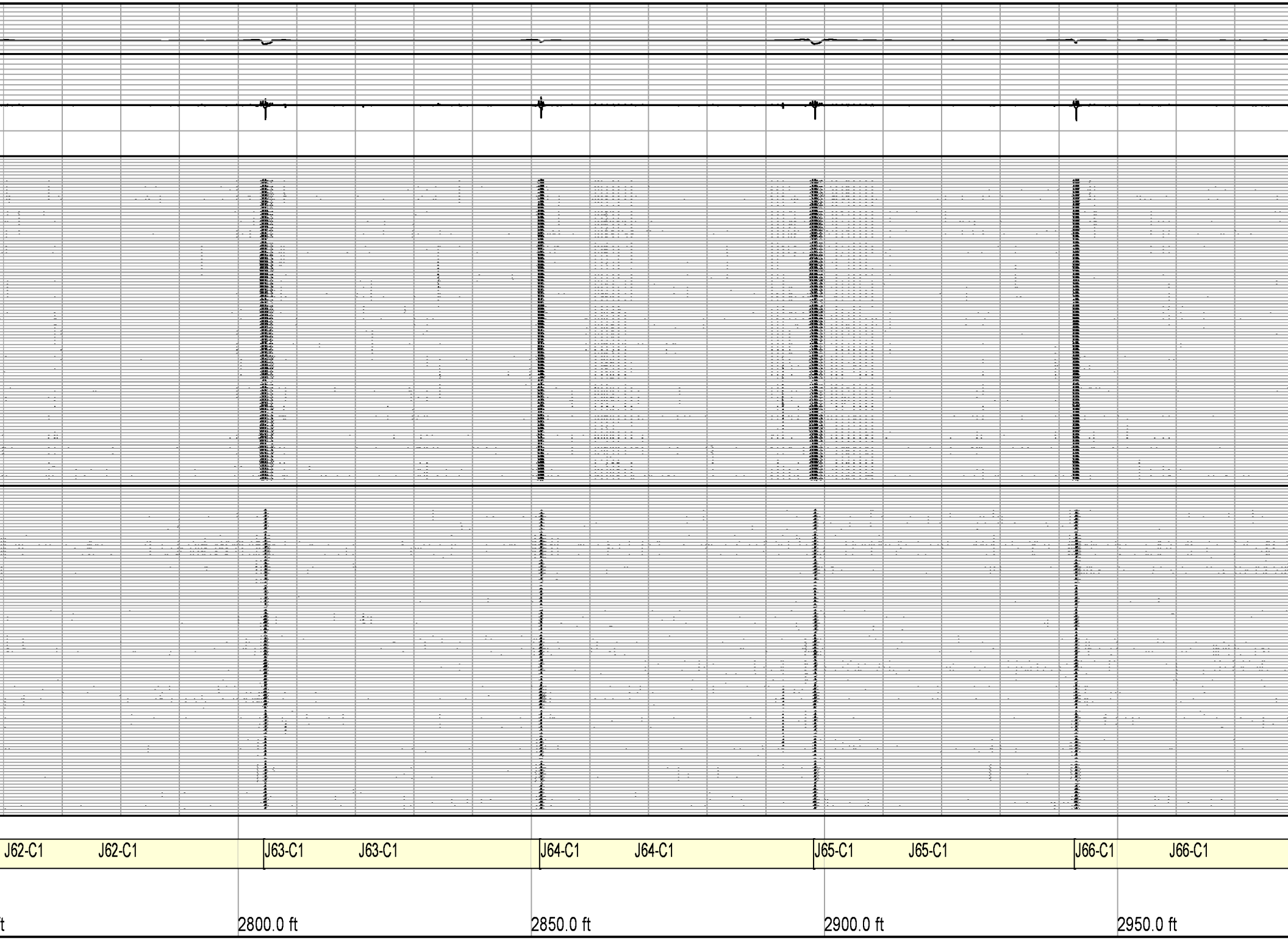

J38-C1
J38-C1
J39-C1
J39-C1
J40-C1
J40-C1
J41-C1
J41-C1
J42-C1
J42-C1
1700.0 ft
1750.0 ft
1800.0 ft
1850.0 ft

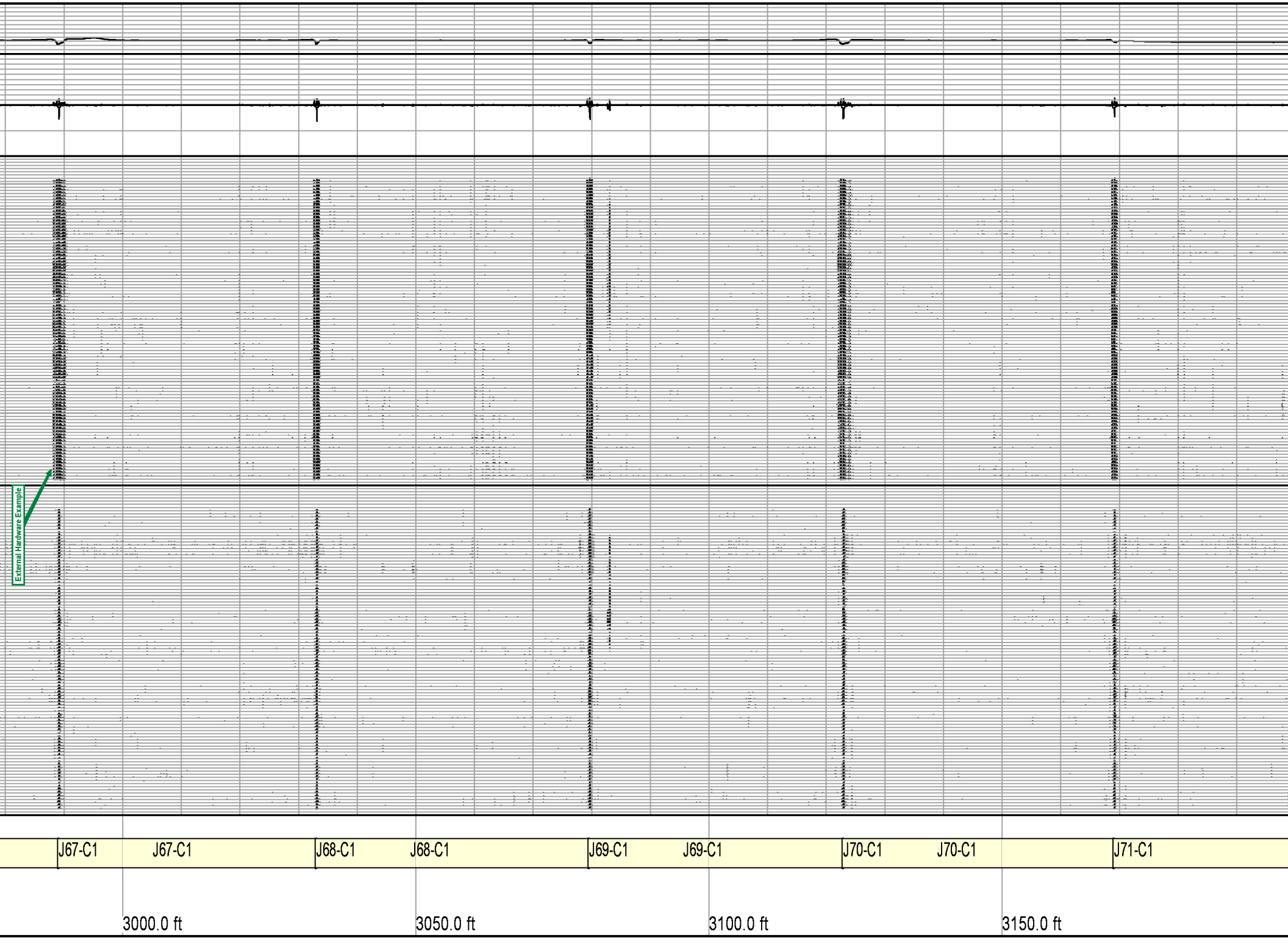

J43-C1
J43-C1
J44-C1
J44-C1
J45-C1
J45-C1
J46-C1
J46-C1
J47-C1
J47-C1
1900.0 ft
1950.0 ft
2000.0 ft
2050.0 ft

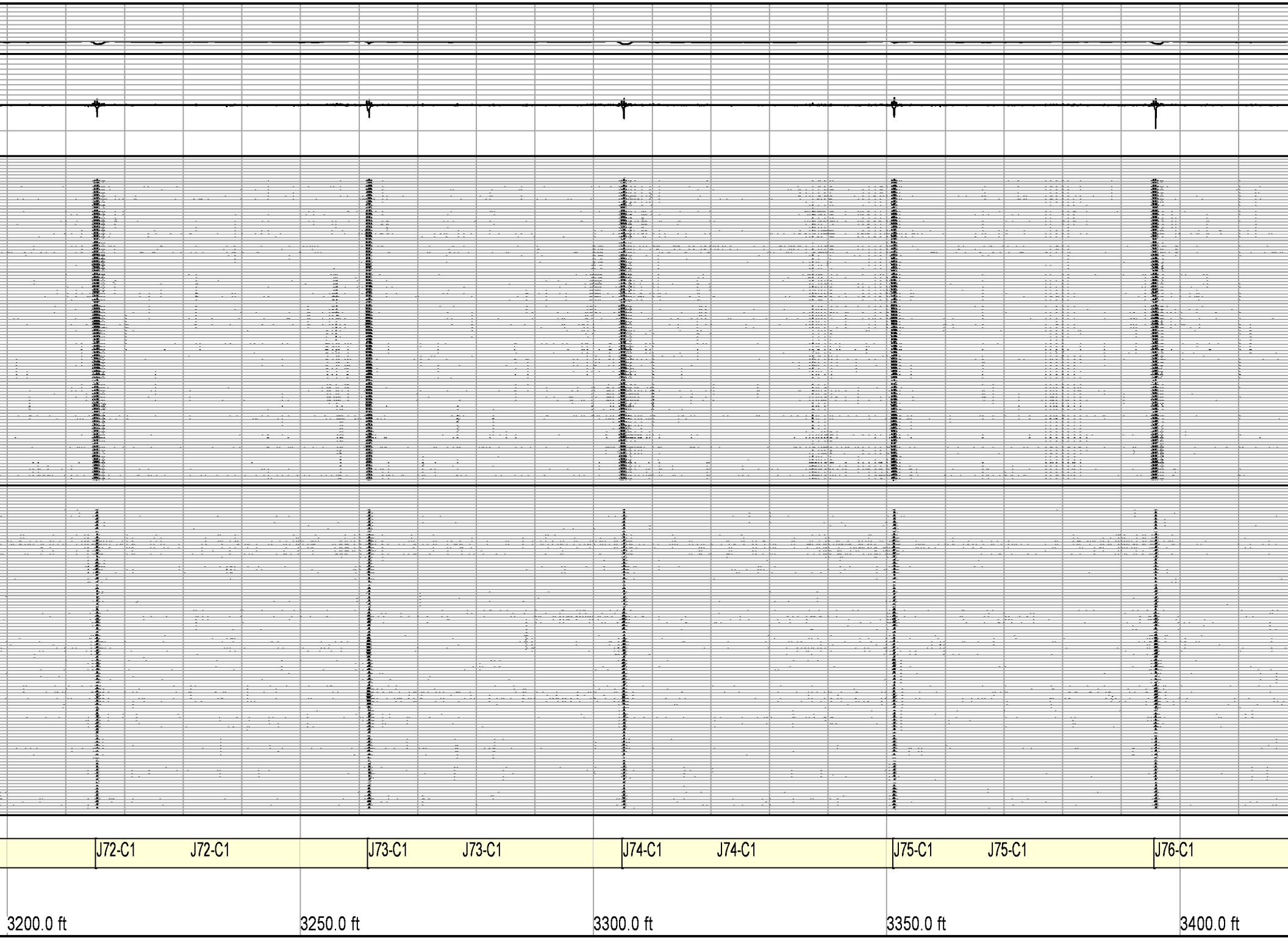

J48-C1
J48-C1
J49-C1
J49-C1
J50-C1
J50-C1
J51-C1
J51-C1
J52-C1
2100.0 ft
2150.0 ft
2200.0 ft
2250.0 ft
2300.0 ft

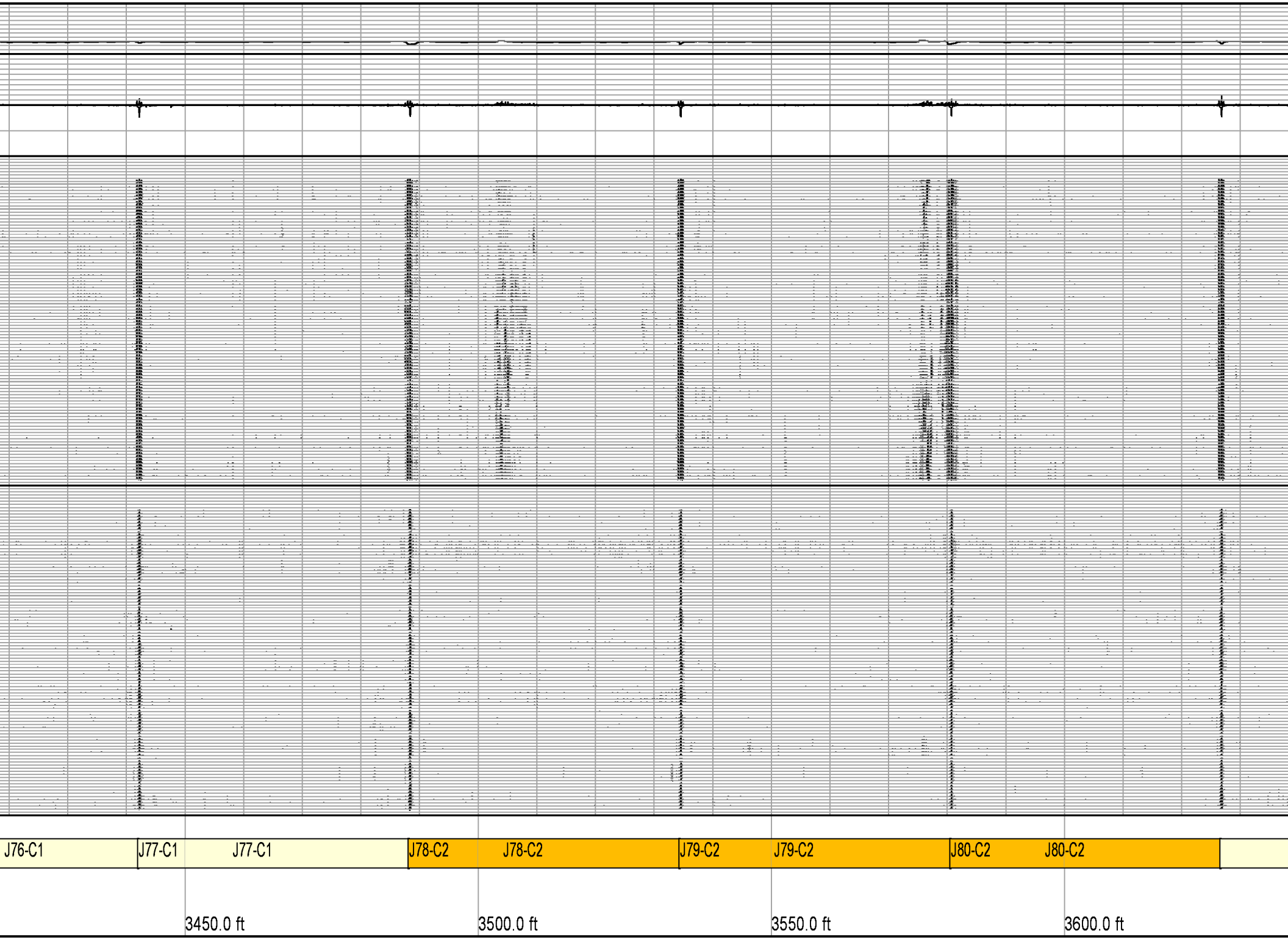

J52-C1
J53-C1
J53-C1
J54-C1
J54-C1
J55-C1
J55-C1
J56-C1
J56-C1
2350.0 ft
2400.0 ft
2450.0 ft
2500.0 ft

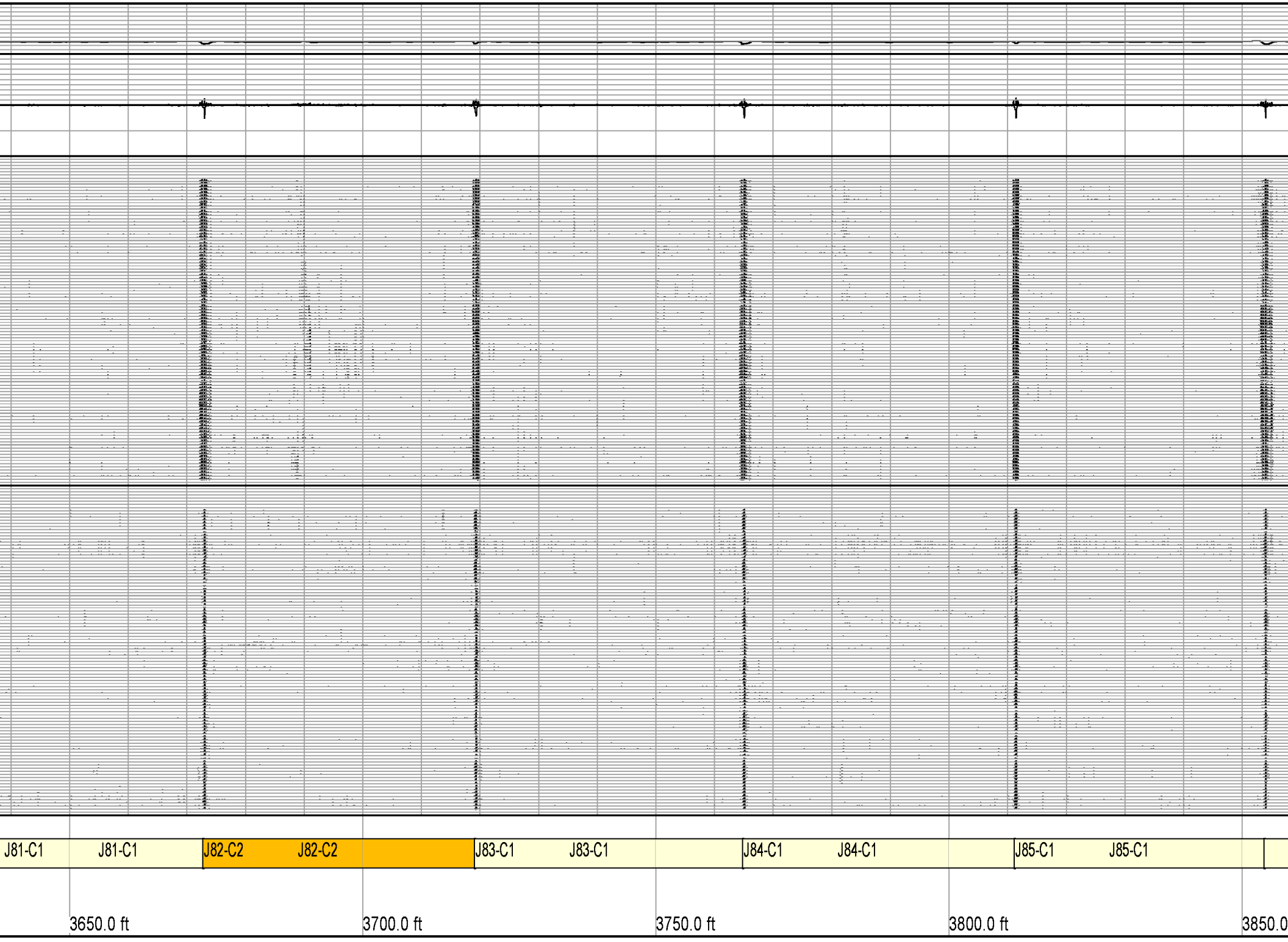

J57-C1
J58-C1
J58-C1
J59-C1
J59-C1
J60-C1
J60-C1
J61-C1
J61-C1
2550.0 ft
2600.0 ft
2650.0 ft
2700.0 ft
2750.0 f

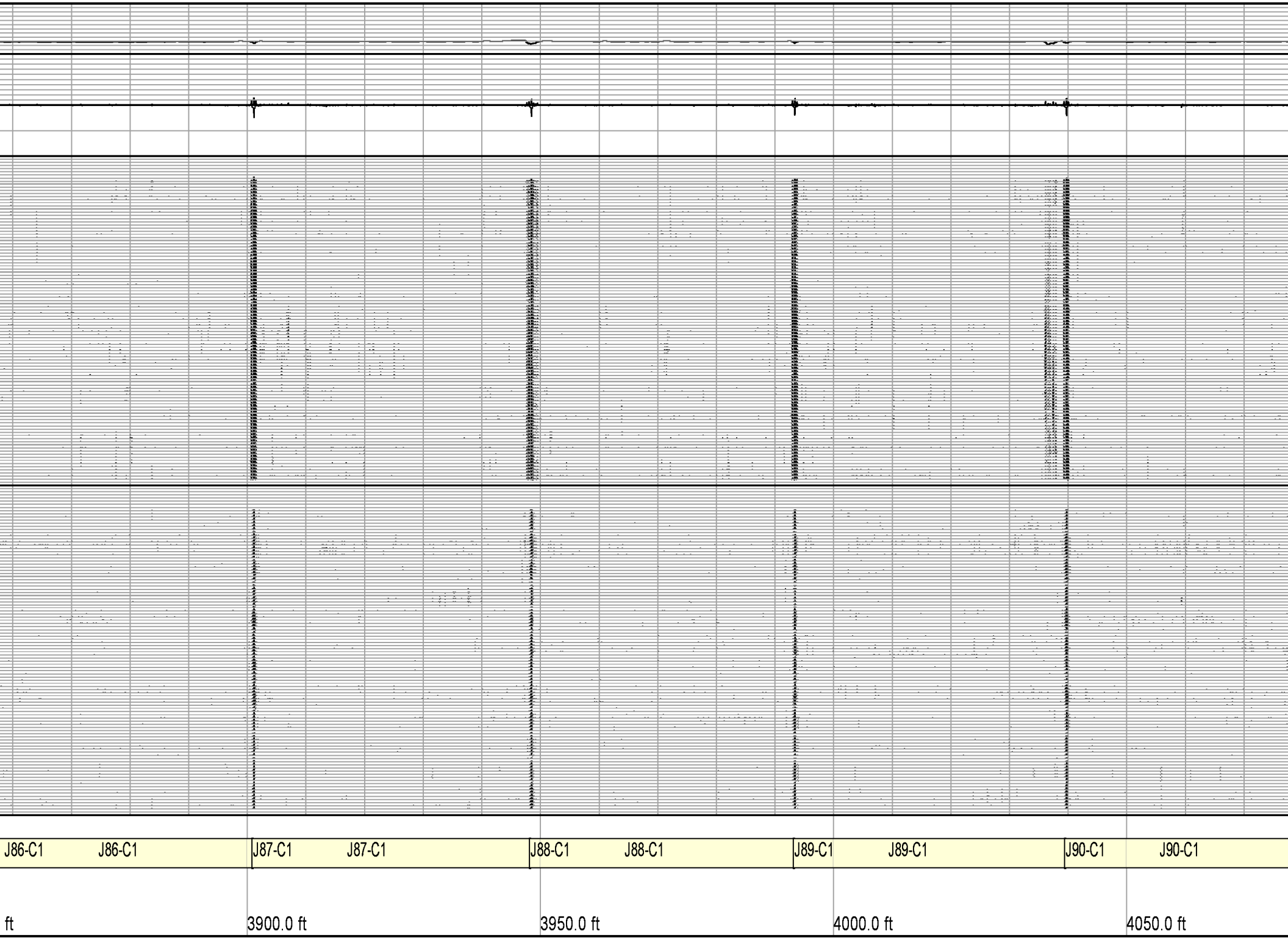

J62-C1
J62-C1
J63-C1
J63-C1
J64-C1
J64-C1
J65-C1
J65-C1
J66-C1
J66-C1
ft
2800.0 ft
2850.0 ft
2900.0 ft
2950.0 ft

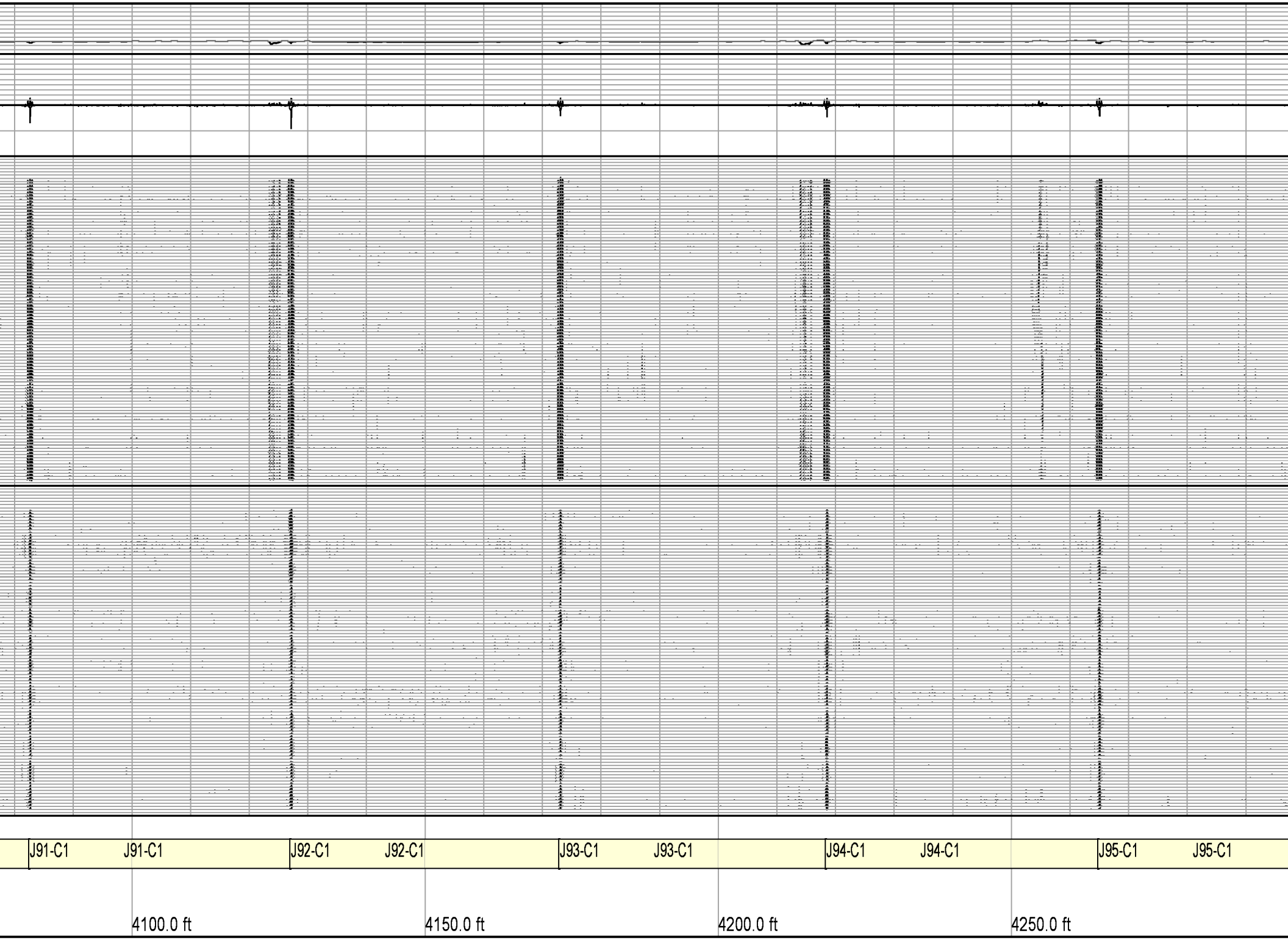

External Hardware Example
J67-C1
J67-C1
J68-C1
J68-C1
J69-C1
J69-C1
J70-C1
J70-C1
J71-C1
3000.0 ft
3050.0 ft
3100.0 ft
3150.0 ft

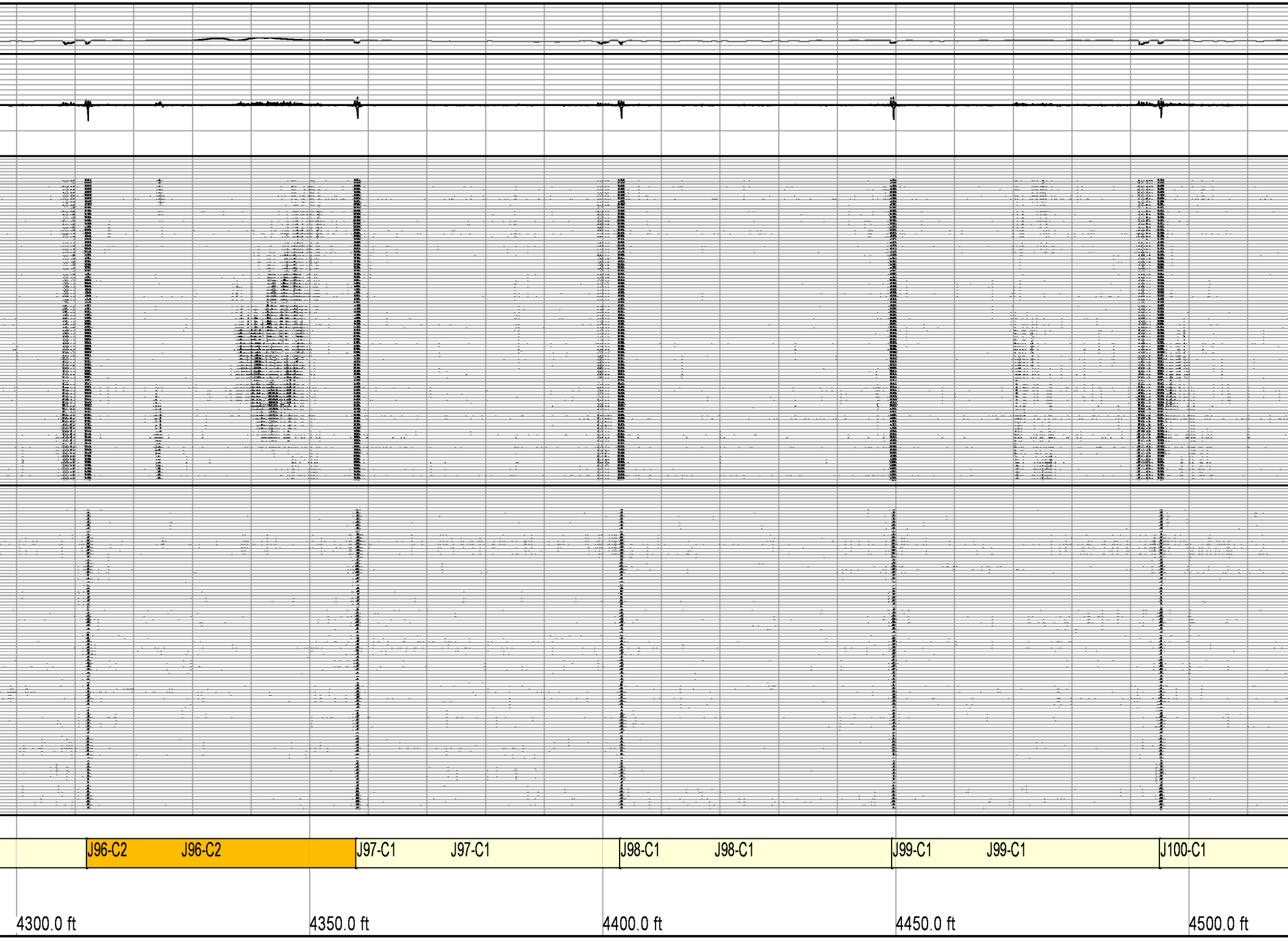

J72-C1
J72-C1
J73-C1
J73-C1
J74-C1
J74-C1
J75-C1
J75-C1
J76-C1
3200.0 ft
3250.0 ft
3300.0 ft
3350.0 ft
3400.0 ft

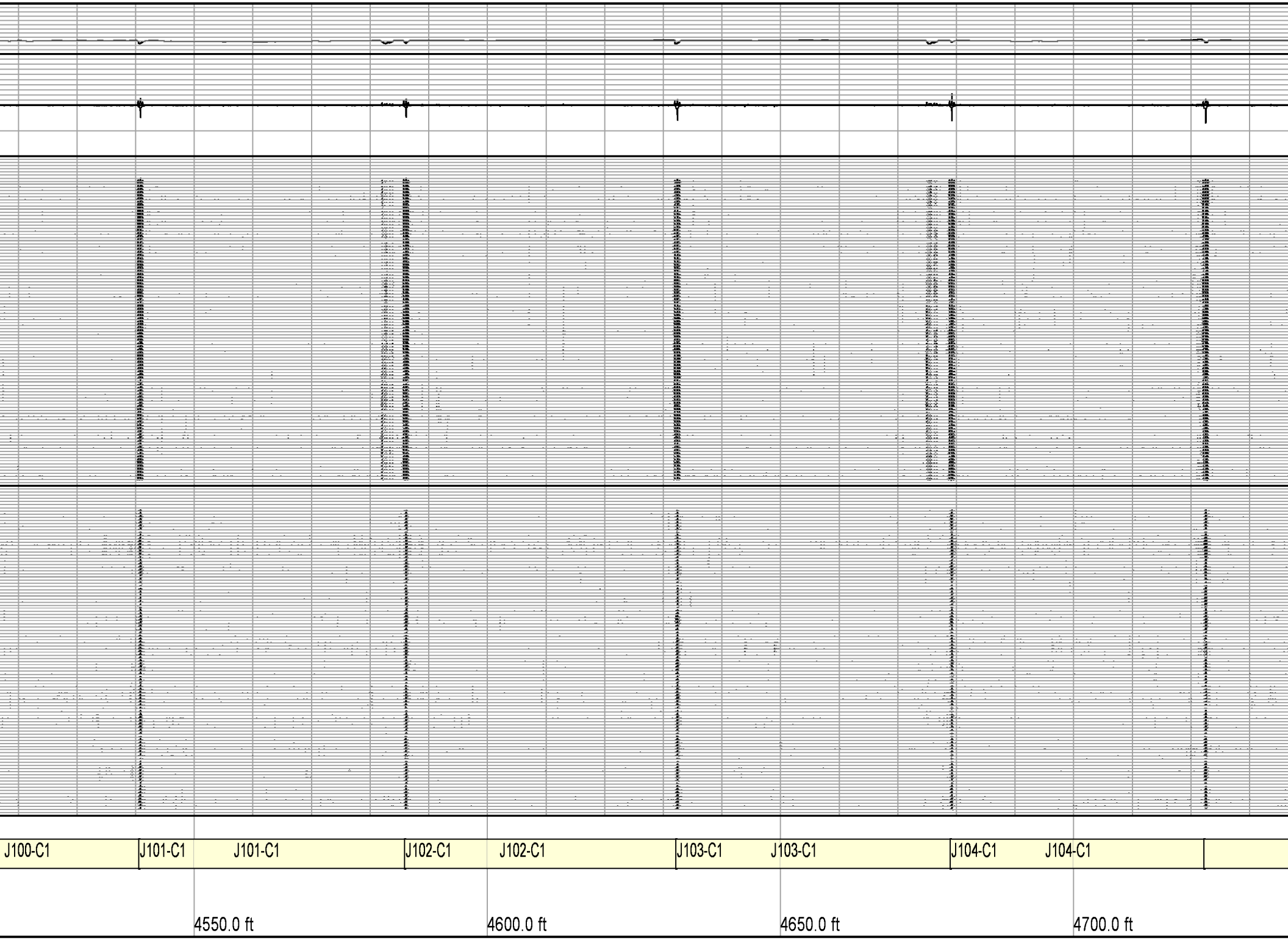

J76-C1
J77-C1
J77-C1
J78-C2
J78-C2
J79-C2
J79-C2
J80-C2
J80-C2
3450.0 ft
3500.0 ft
3550.0 ft
3600.0 ft

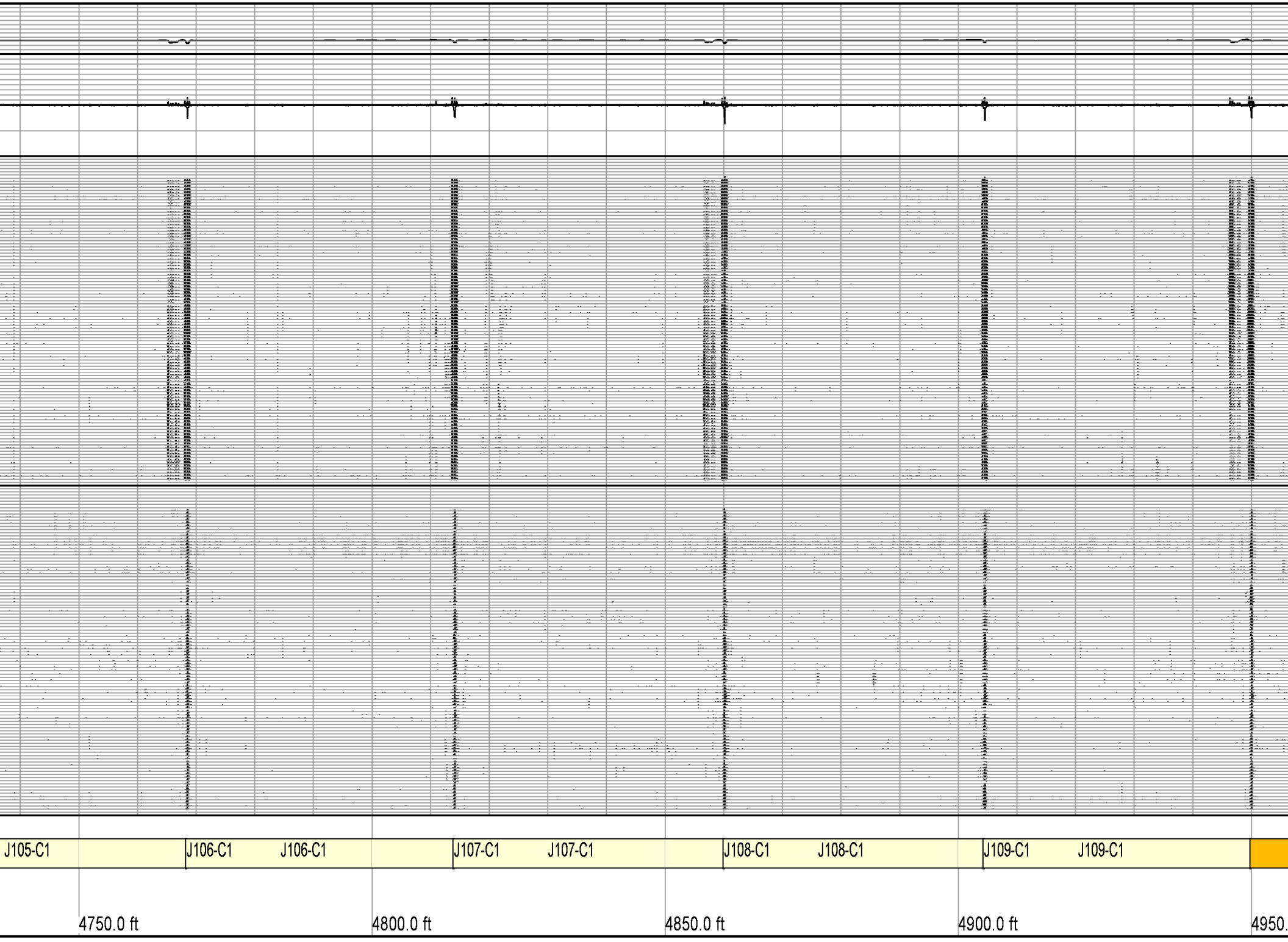

J81-C1
J81-C1
J82-C2
J82-C2
J83-C1
J83-C1
J84-C1
J84-C1
J85-C1
J85-C1
3650.0 ft
3700.0 ft
3750.0 ft
3800.0 ft
3850.0

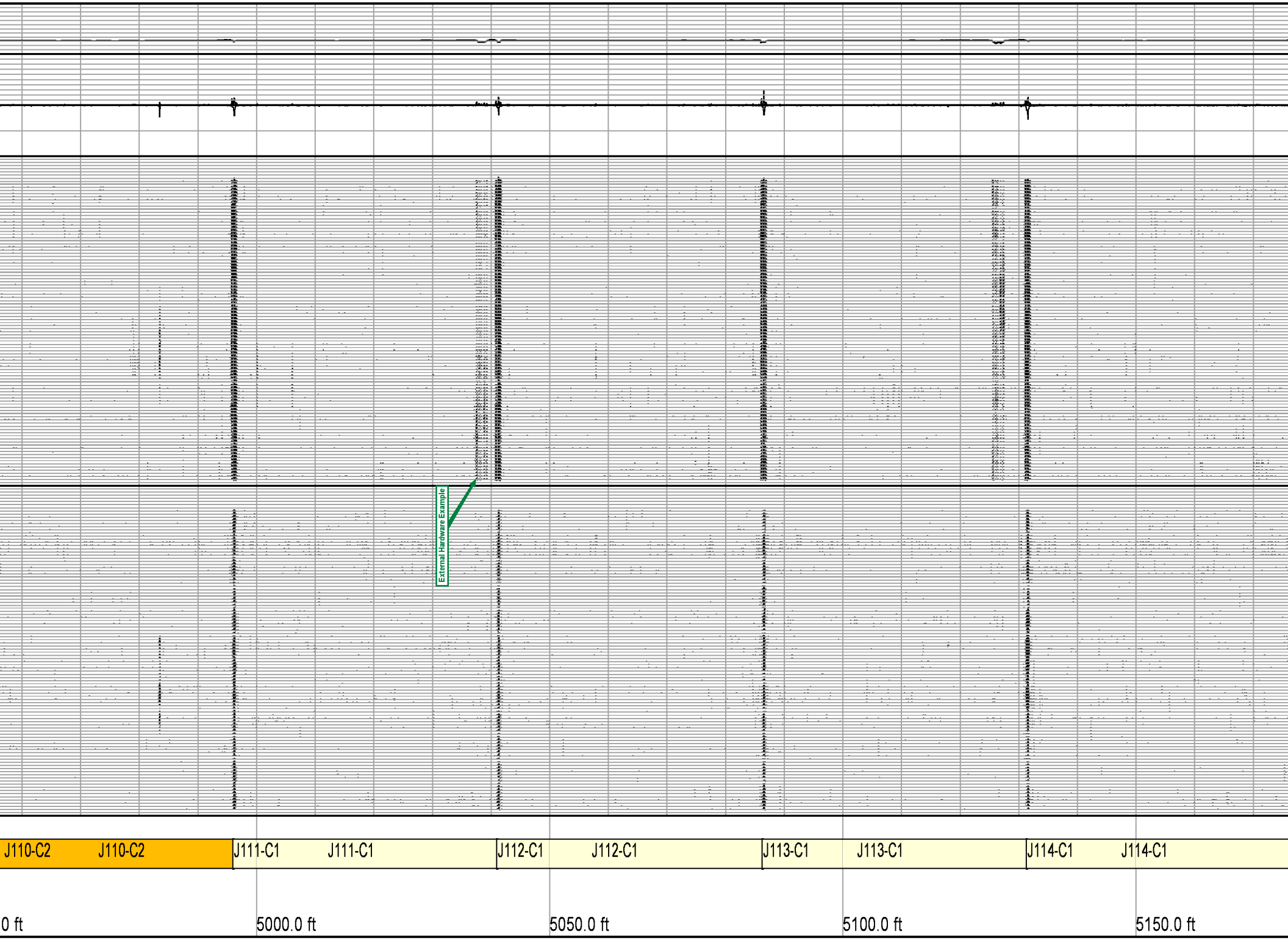

J86-C1
J86-C1
J87-C1
J87-C1
J88-C1
J88-C1
J89-C1
J89-C1
J90-C1
J90-C1
ft
3900.0 ft
3950.0 ft
4000.0 ft
4050.0 ft

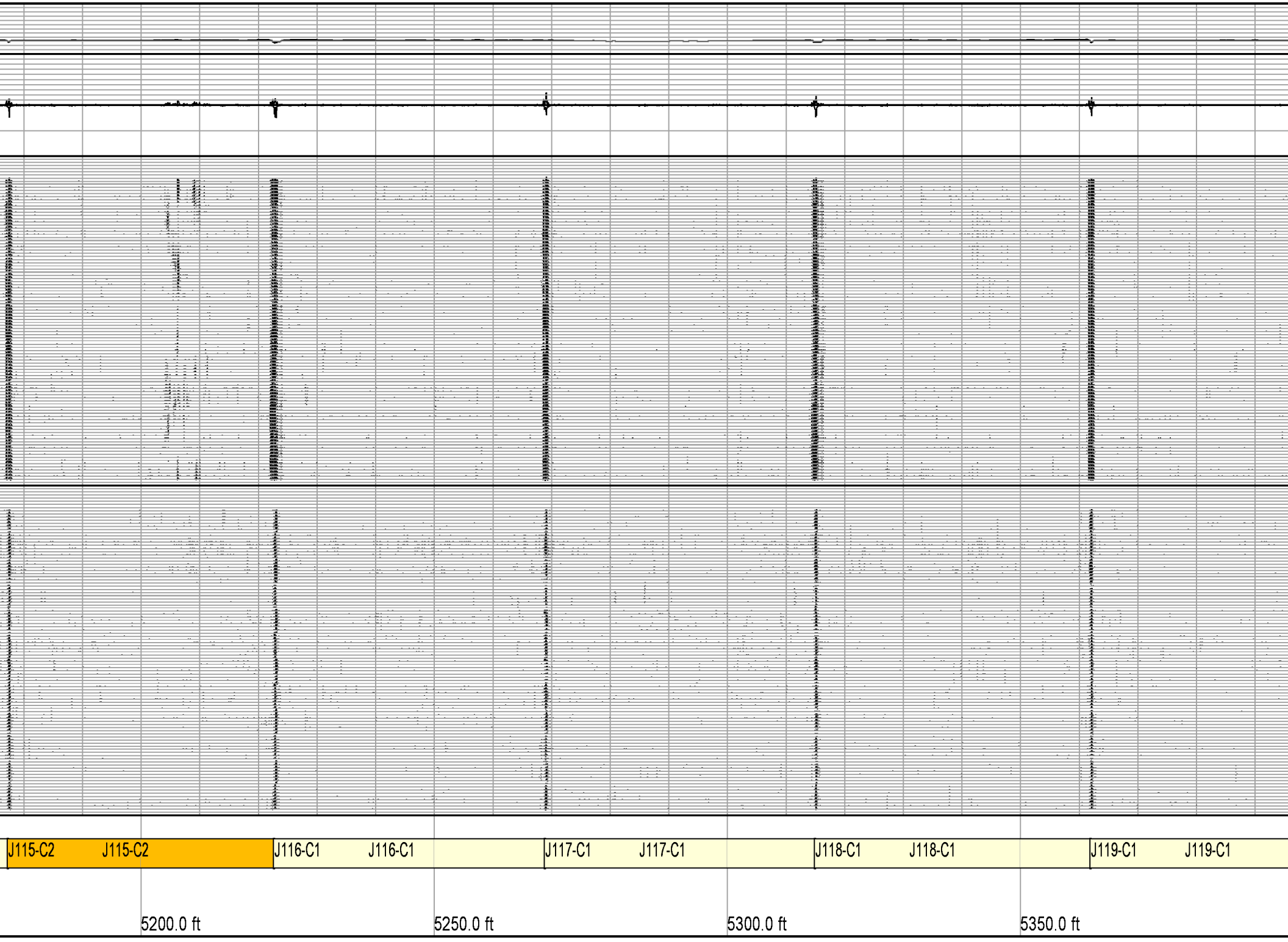

J91-C1
J91-C1
J92-C1
J92-C1
J93-C1
J93-C1
J94-C1
J94-C1
J95-C1
J95-C1
4100.0 ft
4150.0 ft
4200.0 ft
4250.0 ft

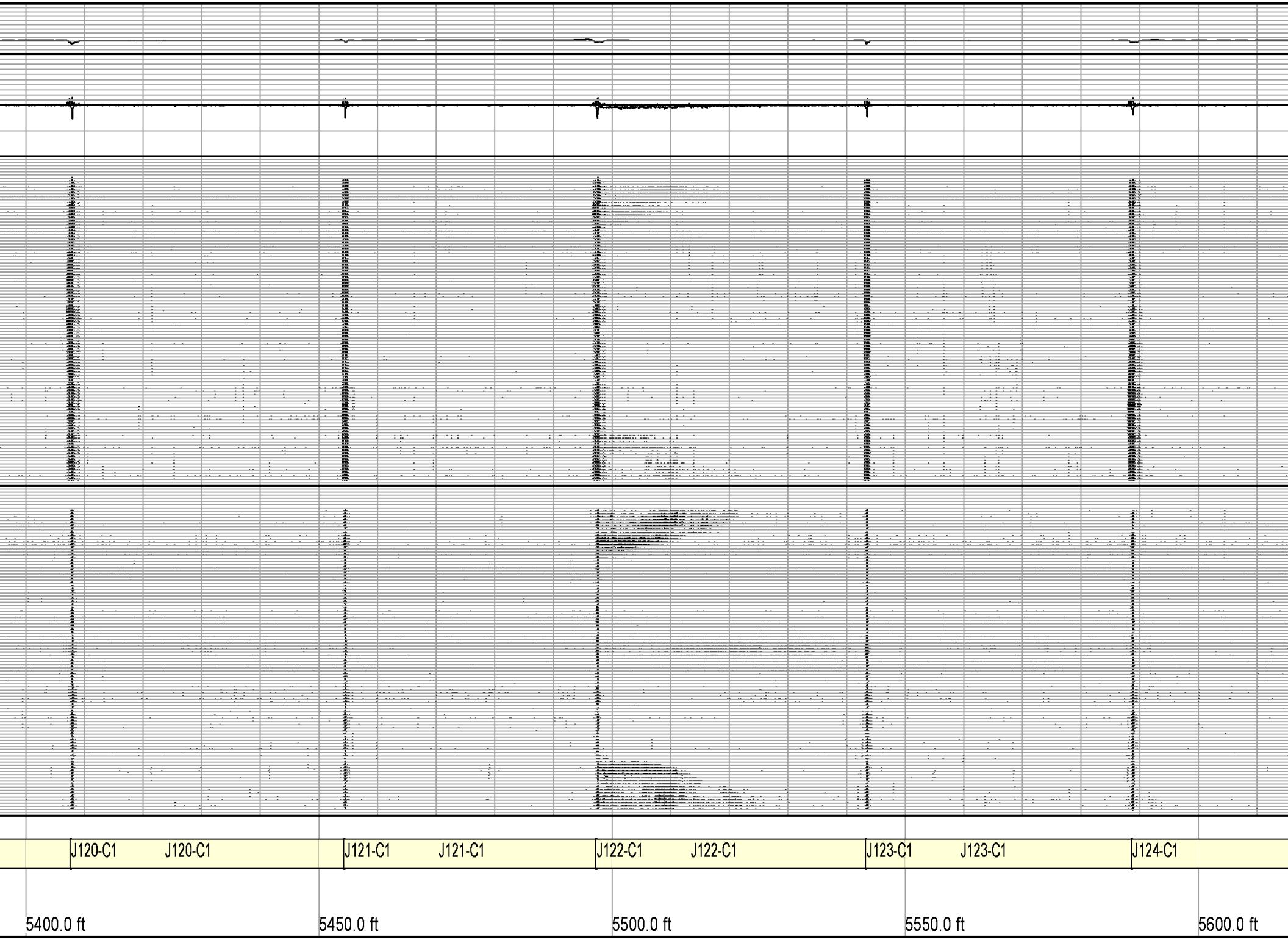

J96-C2
J96-C2
J97-C1
J97-C1
J98-C1
J98-C1
J99-C1
J99-C1
J100-C1
4300.0 ft
4350.0 ft
4400.0 ft
4450.0 ft
4500.0 ft

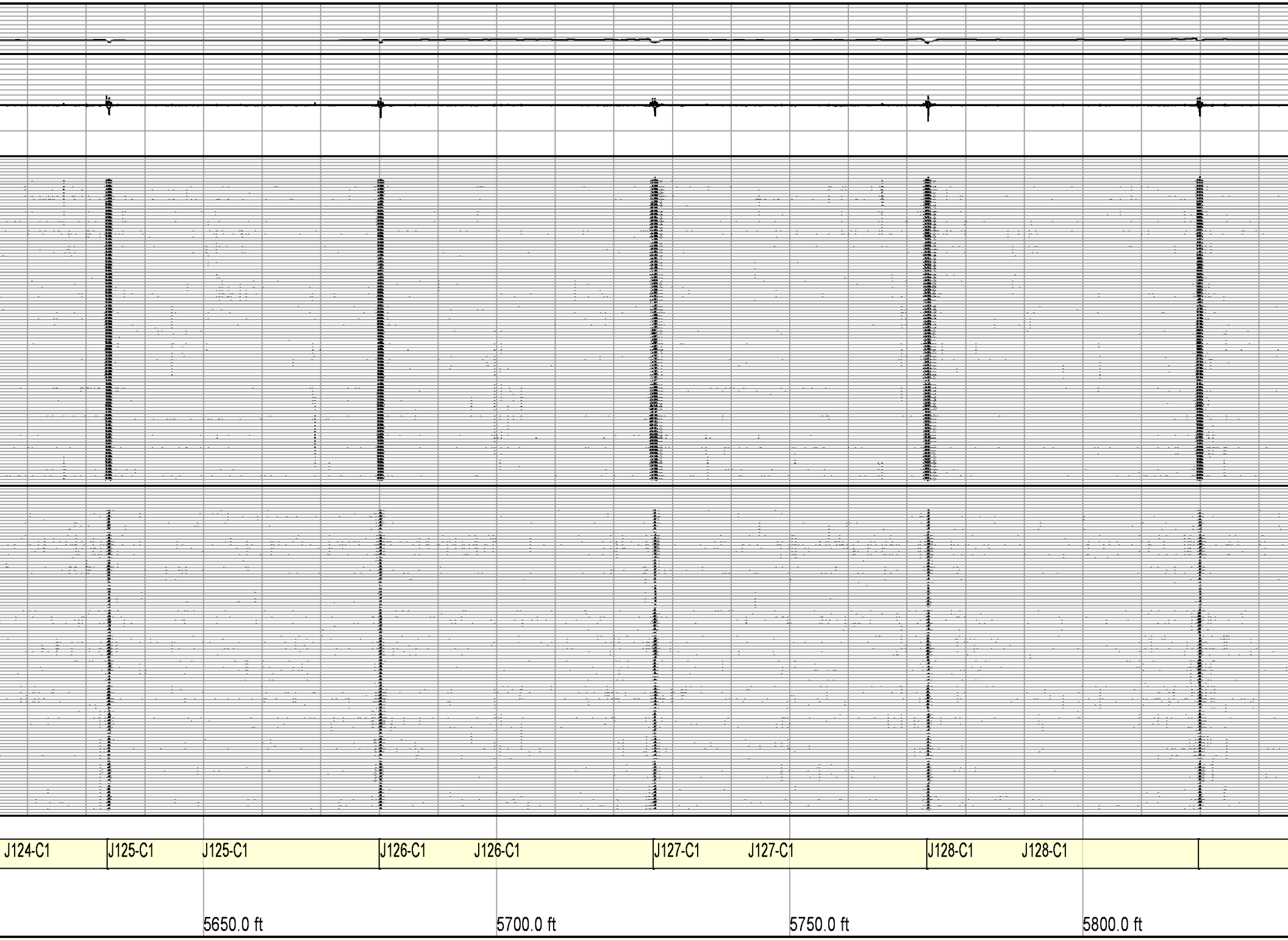

J100-C1
J101-C1
J101-C1
J102-C1
J102-C1
J103-C1
J103-C1
J104-C1
J104-C1
4550.0 ft
4600.0 ft
4650.0 ft
4700.0 ft

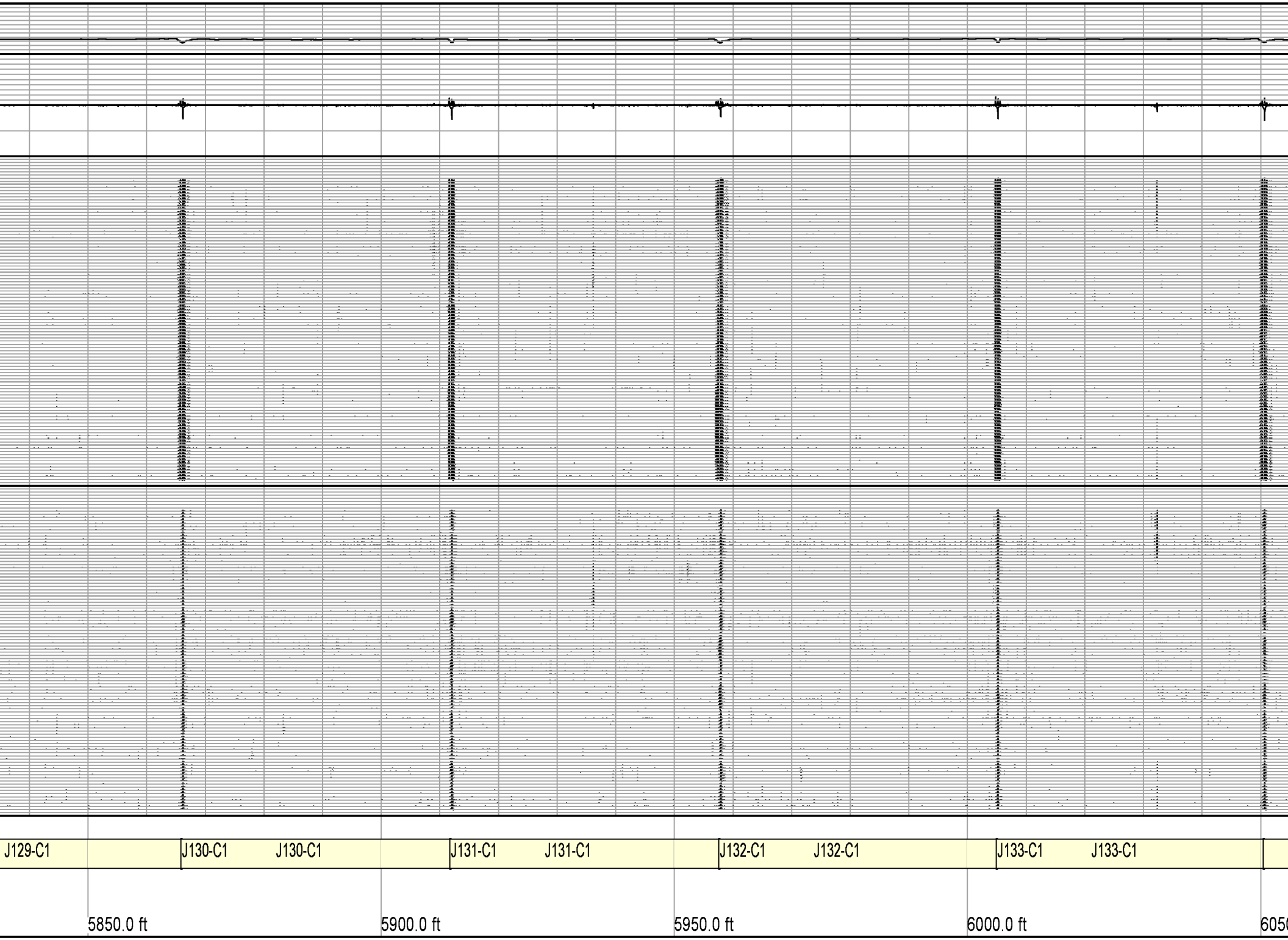

J105-C1
J106-C1
J106-C1
J107-C1
J107-C1
J108-C1
J108-C1
J109-C1
J109-C1
4750.0 ft
4800.0 ft
4850.0 ft
4900.0 ft
4950.

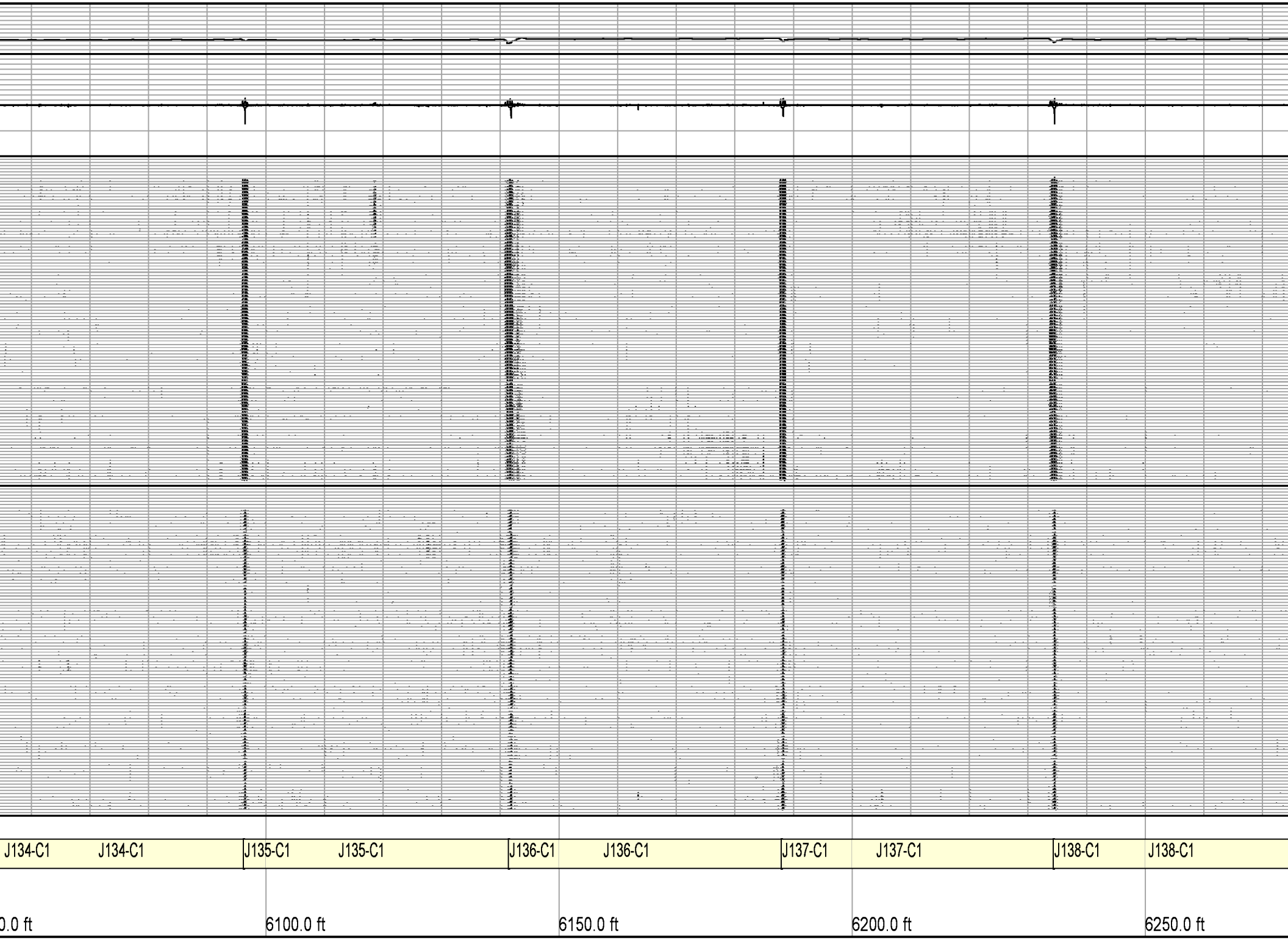

External Hardware Example
J110-C2
J110-C2
J111-C1
J111-C1
J112-C1
J112-C1
J113-C1
J113-C1
J114-C1
J114-C1
0 ft
5000.0 ft
5050.0 ft
5100.0 ft
5150.0 ft

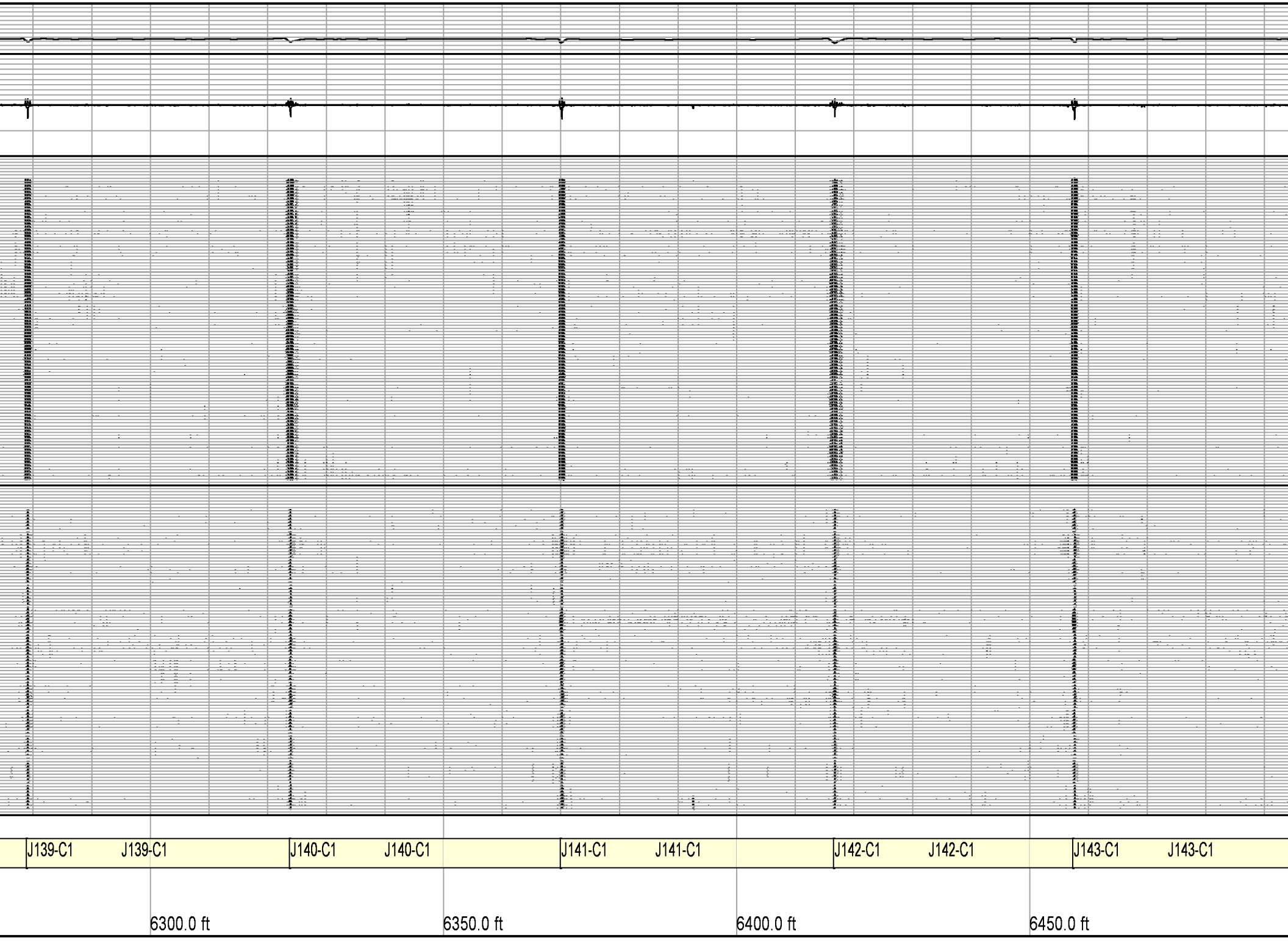

J115-C2
J115-C2
J116-C1
J116-C1
J117-C1
J117-C1
J118-C1
J118-C1
J119-C1
J119-C1
5200.0 ft
5250.0 ft
5300.0 ft
5350.0 ft

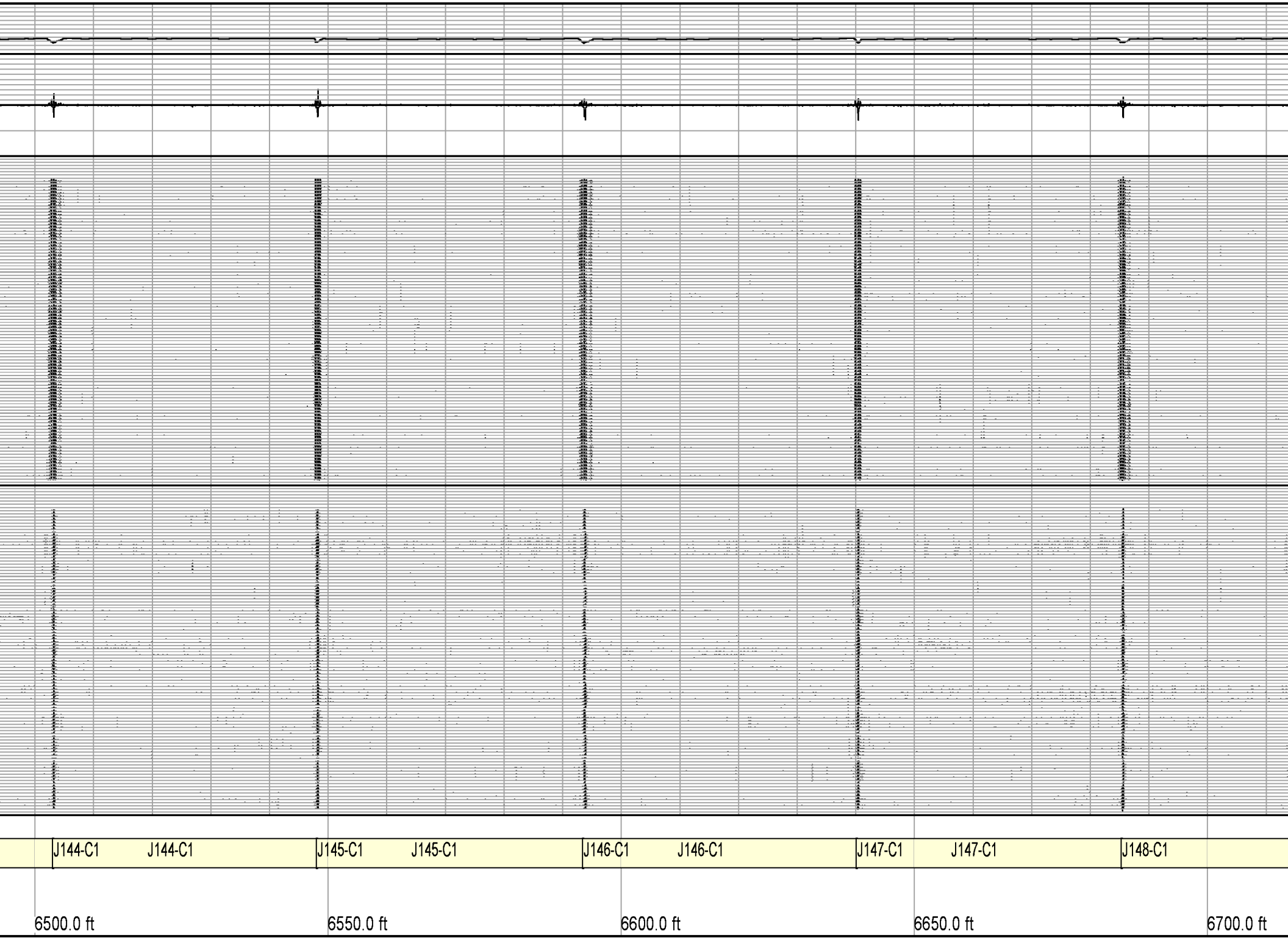

J120-C1
J120-C1
J121-C1
J121-C1
J122-C1
J122-C1
J123-C1
J123-C1
J124-C1
5400.0 ft
5450.0 ft
5500.0 ft
5550.0 ft
5600.0 ft

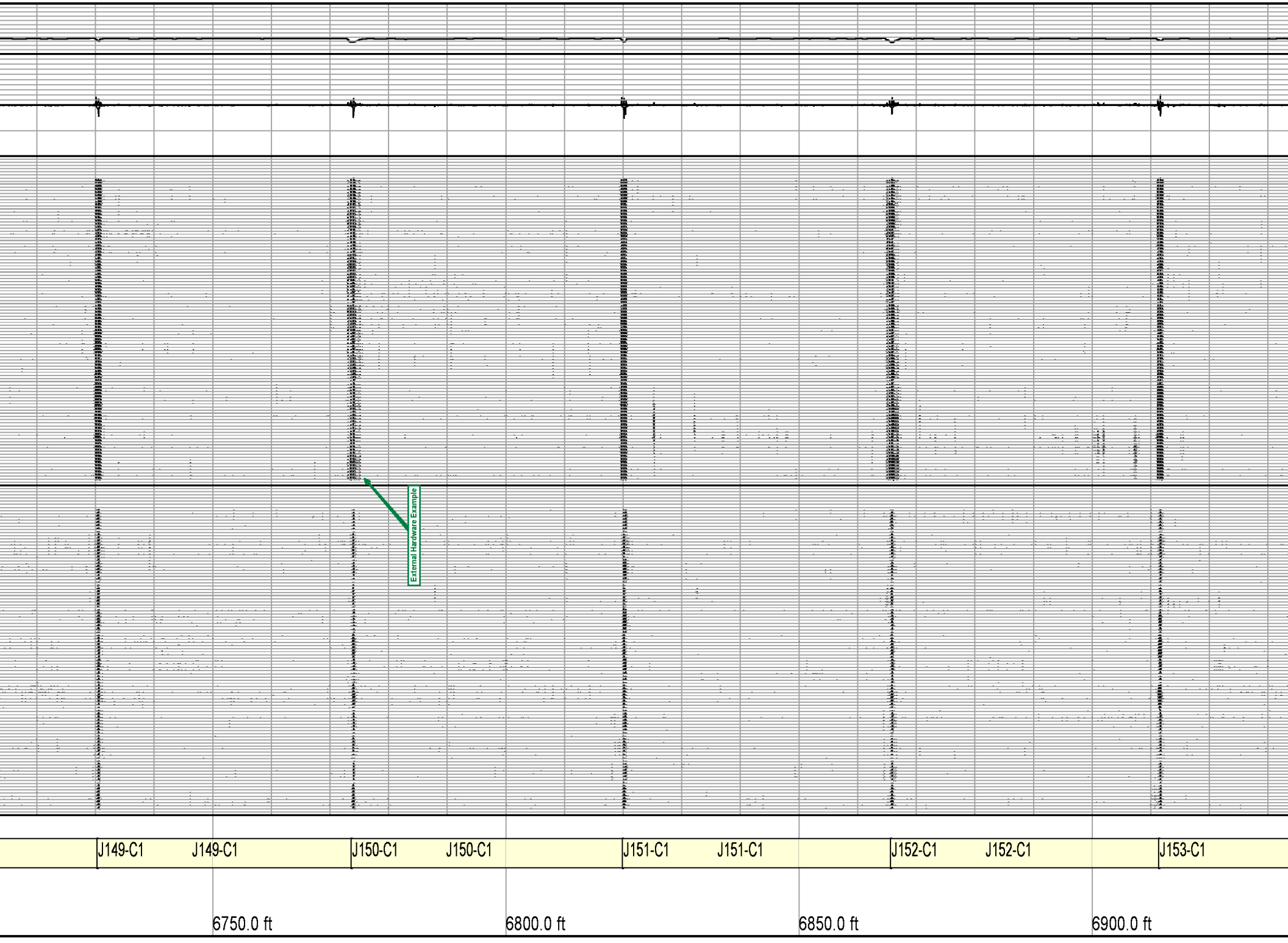

J124-C1
J125-C1
J125-C1
J126-C1
J126-C1
J127-C1
J127-C1
J128-C1
J128-C1
5650.0 ft
5700.0 ft
5750.0 ft
5800.0 ft

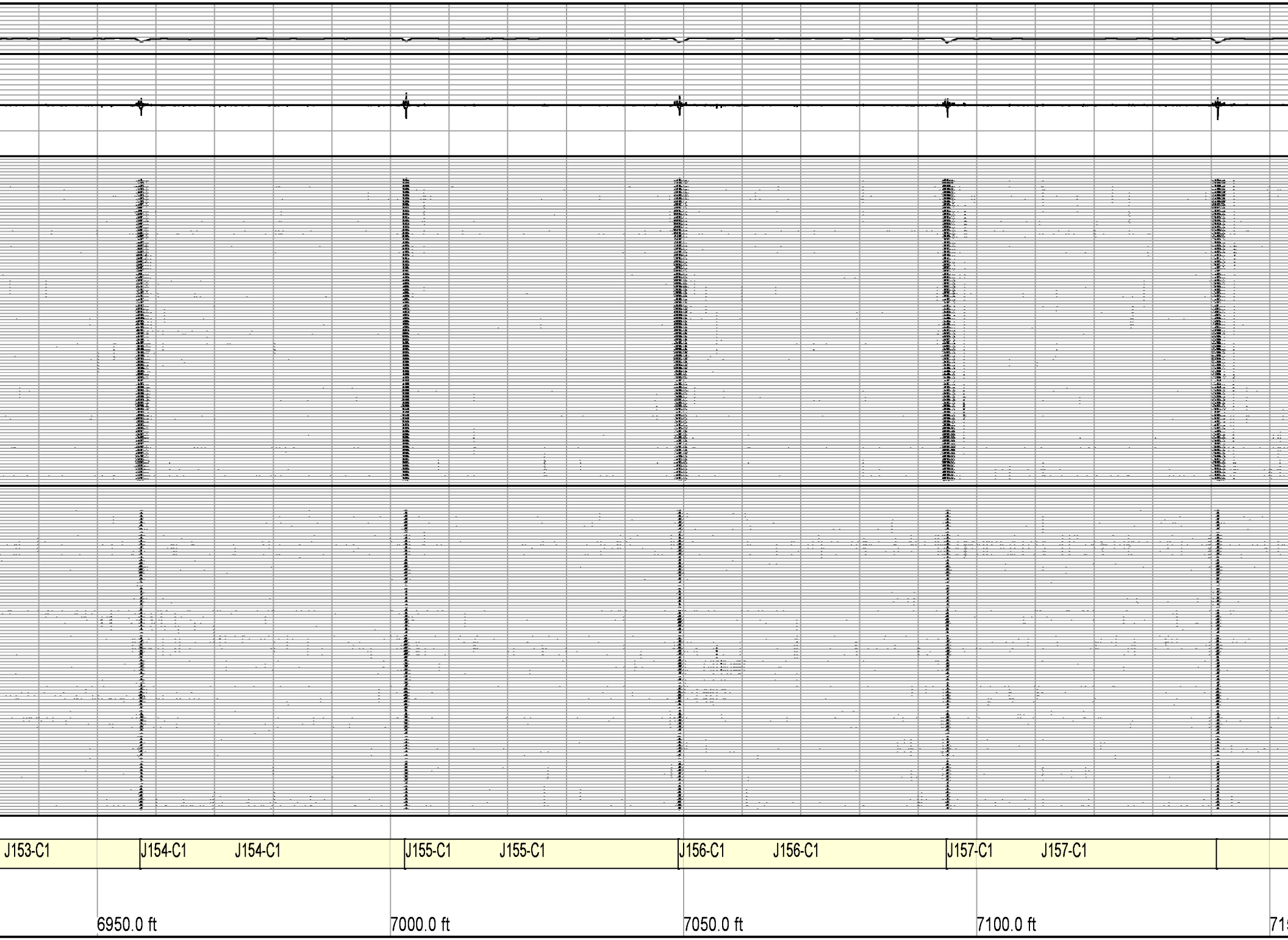

J129-C1
J130-C1
J130-C1
J131-C1
J131-C1
J132-C1
J132-C1
J133-C1
J133-C1
5850.0 ft
5900.0 ft
5950.0 ft
6000.0 ft

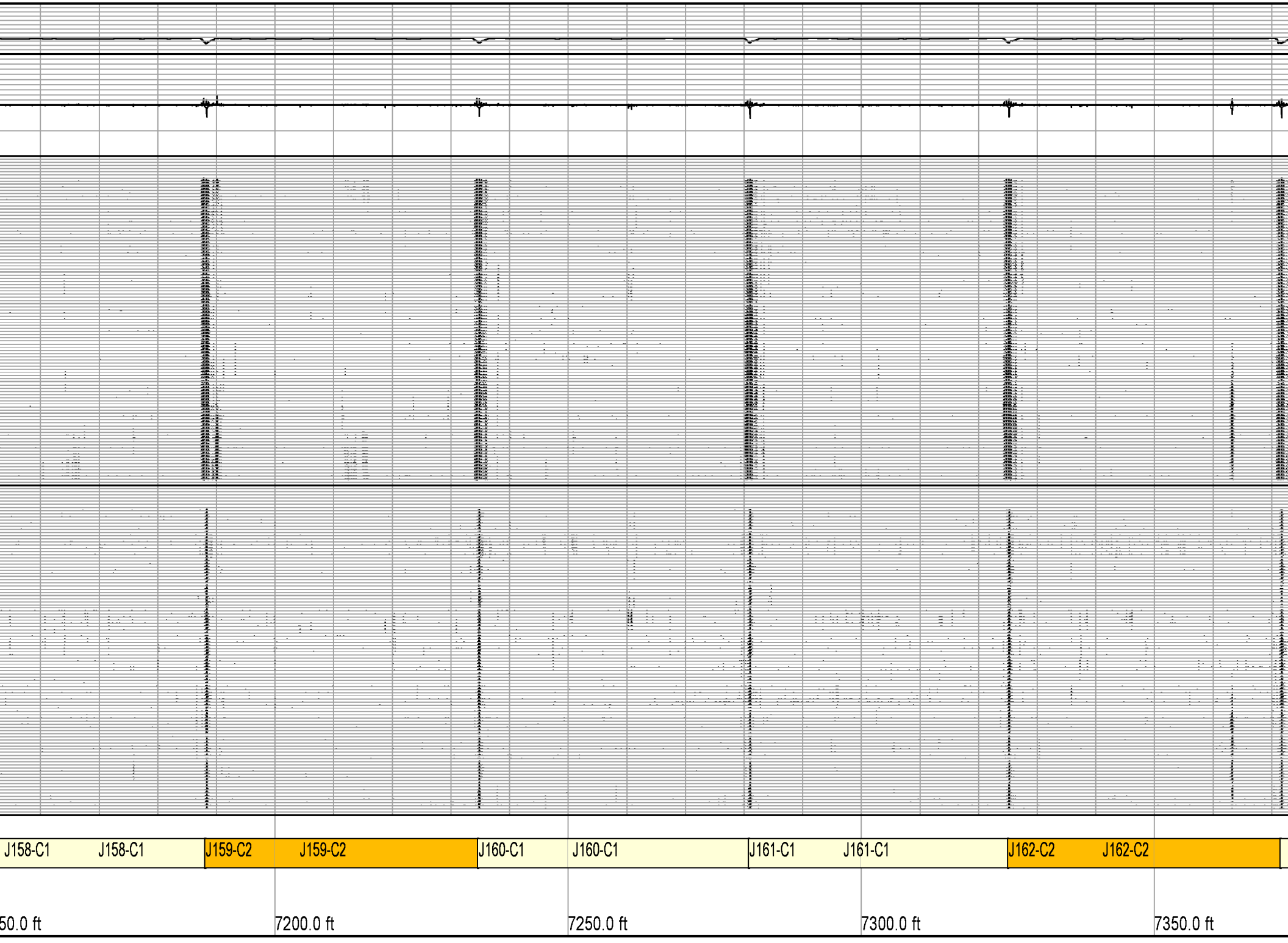

J134-C1
J134-C1
J135-C1
J135-C1
J136-C1
J136-C1
J137-C1
J137-C1
J138-C1
J138-C1
0.0 ft
6100.0 ft
6150.0 ft
6200.0 ft
6250.0 ft

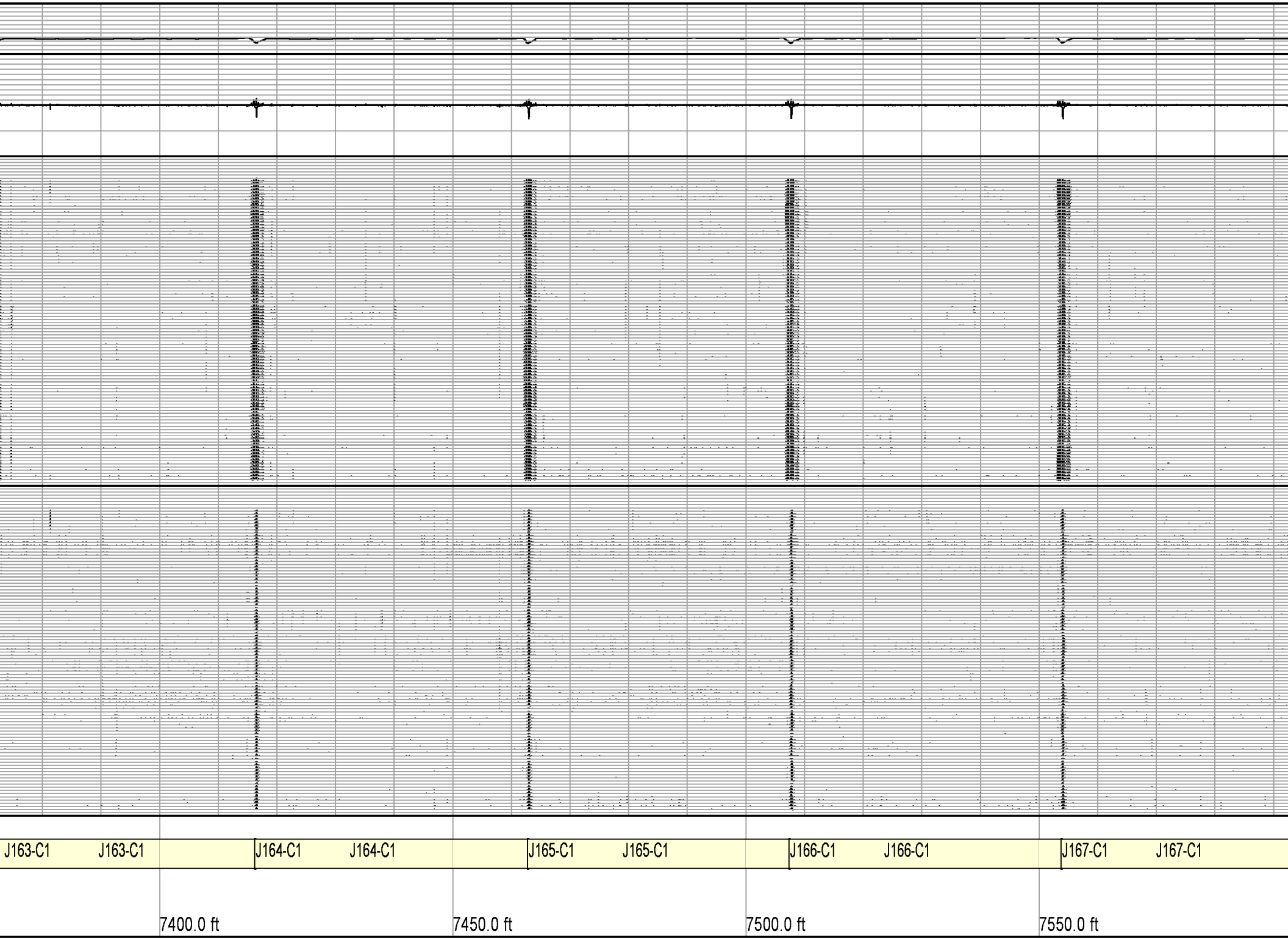

J139-C1
J139-C1
J140-C1
J140-C1
J141-C1
J141-C1
J142-C1
J142-C1
J143-C1
J143-C1
6300.0 ft
6350.0 ft
6400.0 ft
6450.0 ft

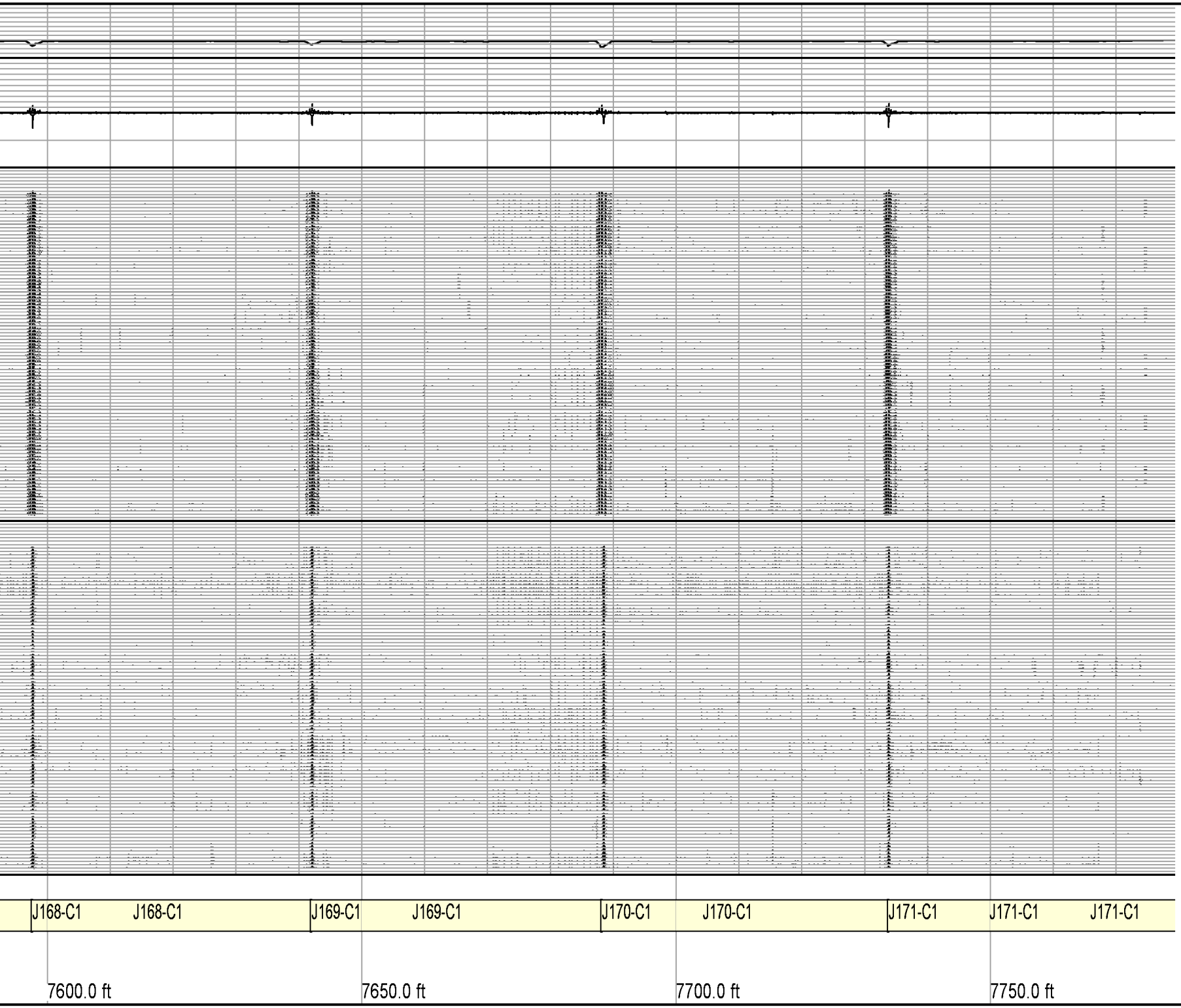

J144-C1
J144-C1
J145-C1
J145-C1
J146-C1
J146-C1
J147-C1
J147-C1
J148-C1
6500.0 ft
6550.0 ft
6600.0 ft
6650.0 ft
6700.0 ft


External Hardware Example
J149-C1
J149-C1
J150-C1
J150-C1
J151-C1
J151-C1
J152-C1
J152-C1
J153-C1
6750.0 ft
6800.0 ft
6850.0 ft
6900.0 ft


J153-C1
J154-C1
J154-C1
J155-C1
J155-C1
J156-C1
J156-C1
J157-C1
J157-C1
6950.0 ft
7000.0 ft
7050.0 ft
7100.0 ft


J158-C1
J158-C1
J159-C2
J159-C2
J160-C1
J160-C1
J161-C1
J161-C1
J162-C2
J162-C2
50.0 ft
7200.0 ft
7250.0 ft
7300.0 ft
7350.0 ft


J163-C1
J163-C1
J164-C1
J164-C1
J165-C1
J165-C1
J166-C1
J166-C1
J167-C1
J167-C1
7400.0 ft
7450.0 ft
7500.0 ft
7550.0 ft



Southern California Gas Company Standard Sesnon 4B

File 20160818_10295C_RSP_0_0_0_0_0_0.mvl

Joint Summary

Southern California Gas Company
Aliso canyon

Identifier	Start Log Depth	Joint Length	Diameter	Wall Thickness	Weight	Max ML Depth	Max ML Position	Min Burst Pressure	Joint Depth Class
	ft	ft	in	in	lb/ft	%	ft	psi	
JT-1	-17.98	13.06	9.625	0.472	47.0	0			1
JT-2	-4.92	46.46	9.625	0.472	47.0	0			1
JT-3	41.53	46.66	9.625	0.472	47.0	0			1
JT-4	88.19	46.13	9.625	0.472	47.0	0			1
JT-5	134.32	45.72	9.625	0.472	47.0	0			1
JT-6	180.04	47.43	9.625	0.472	47.0	0			1
JT-7	227.48	46.25	9.625	0.472	47.0	0			1
JT-8	273.73	47.74	9.625	0.472	47.0	0			1
JT-9	321.47	47.34	9.625	0.472	47.0	16	332.70	8760	1
JT-10	368.81	48.40	9.625	0.472	47.0	0			1
JT-11	417.20	47.78	9.625	0.472	47.0	0			1
JT-12	464.99	44.93	9.625	0.472	47.0	0			1
JT-13	509.92	45.47	9.625	0.472	47.0	23	526.34	8725	2
JT-14	555.39	44.46	9.625	0.472	47.0	0			1
JT-15	599.86	44.67	9.625	0.472	47.0	0			1
JT-16	644.53	45.33	9.625	0.472	47.0	0			1
JT-17	689.86	45.89	9.625	0.472	47.0	0			1
JT-18	735.75	44.51	9.625	0.472	47.0	0			1
JT-19	780.26	45.50	9.625	0.472	47.0	0			1
JT-20	825.76	45.42	9.625	0.472	47.0	0			1
JT-21	871.18	45.51	9.625	0.472	47.0	0			1
JT-22	916.69	45.33	9.625	0.472	47.0	0			1
JT-23	962.02	46.71	9.625	0.472	47.0	0			1
JT-24	1008.73	45.79	9.625	0.472	47.0	0			1
JT-25	1054.52	46.86	9.625	0.472	47.0	16	1055.43	8577	1
JT-26	1101.38	45.80	9.625	0.472	47.0	0			1
JT-27	1147.18	46.26	9.625	0.472	47.0	0			1
JT-28	1193.43	44.69	9.625	0.472	47.0	0			1
JT-29	1238.12	45.92	9.625	0.472	47.0	0			1
JT-30	1284.05	46.76	9.625	0.472	47.0	0			1
JT-31	1330.81	46.32	9.625	0.472	47.0	0			1
JT-32	1377.13	46.54	9.625	0.472	47.0	0			1
JT-33	1423.67	45.94	9.625	0.472	47.0	0			1
JT-34	1469.61	46.78	9.625	0.472	47.0	0			1
JT-35	1516.38	45.40	9.625	0.472	47.0	0			1
JT-36	1561.78	46.27	9.625	0.472	47.0	0			1
JT-37	1608.05	45.84	9.625	0.472	47.0	0			1
JT-38	1653.89	46.20	9.625	0.472	47.0	0			1
JT-39	1700.09	46.05	9.625	0.472	47.0	0			1
JT-40	1746.14	46.29	9.625	0.472	47.0	0			1
JT-41	1792.43	46.53	9.625	0.472	47.0	0			1
JT-42	1838.96	46.35	9.625	0.472	47.0	0			1
JT-43	1885.31	44.47	9.625	0.472	47.0	0			1
JT-44	1929.78	45.81	9.625	0.472	47.0	0			1
JT-45	1975.59	45.38	9.625	0.472	47.0	0			1
JT-46	2020.97	46.98	9.625	0.472	47.0	0			1
JT-47	2067.94	44.29	9.625	0.472	47.0	0			1
JT-48	2112.23	46.26	9.625	0.472	47.0	0			1
JT-49	2158.49	46.22	9.625	0.472	47.0	0			1
JT-50	2204.71	47.39	9.625	0.472	47.0	0			1
JT-51	2252.11	43.25	9.625	0.472	47.0	18	2258.66	8670	1
JT-52	2295.35	46.18	9.625	0.472	47.0	0			1
JT-53	2341.53	46.02	9.625	0.472	47.0	0			1
JT-54	2387.55	47.03	9.625	0.472	47.0	0			1
JT-55	2434.58	45.10	9.625	0.472	47.0	0			1
JT-56	2479.68	46.11	9.625	0.472	47.0	0			1
JT-57	2525.79	46.12	9.625	0.472	47.0	0			1
JT-58	2571.91	46.92	9.625	0.472	47.0	0			1
JT-59	2618.83	46.20	9.625	0.472	47.0	0			1
JT-60	2665.04	45.93	9.625	0.472	47.0	0			1
JT-61	2710.97	46.35	9.625	0.472	47.0	0			1
JT-62	2757.32	47.18	9.625	0.472	47.0	0			1
JT-63	2804.50	47.03	9.625	0.472	47.0	0			1
JT-64	2851.54	46.76	9.625	0.472	47.0	0			1
JT-65	2898.30	44.49	9.625	0.472	47.0	0			1

JT-66	2942.79	46.22	9.625	0.472	47.0	0			1
JT-67	2989.01	43.92	9.625	0.472	47.0	0			1
JT-68	3032.93	46.57	9.625	0.472	47.0	0			1
JT-69	3079.50	43.34	9.625	0.472	47.0	0			1
JT-70	3122.84	46.20	9.625	0.472	47.0	0			1
JT-71	3169.04	46.11	9.625	0.472	47.0	0			1
JT-72	3215.15	46.40	9.625	0.472	47.0	0			1
JT-73	3261.55	43.44	9.625	0.472	47.0	16	3276.63	8630	1
JT-74	3304.99	46.17	9.625	0.472	47.0	0			1
JT-75	3351.16	44.51	9.625	0.472	47.0	0			1
JT-76	3395.68	46.35	9.625	0.472	47.0	0			1
JT-77	3442.02	46.18	9.625	0.472	47.0	0			1
JT-78	3488.20	46.19	9.625	0.472	47.0	25	3504.41	8535	2
JT-79	3534.39	46.20	9.625	0.472	47.0	23	3576.87	8359	2
JT-80	3580.58	46.03	9.625	0.472	47.0	25	3581.35	8690	2
JT-81	3626.61	46.21	9.625	0.472	47.0	0			1
JT-82	3672.82	46.33	9.625	0.472	47.0	22	3690.89	8697	2
JT-83	3719.15	45.76	9.625	0.472	47.0	0			1
JT-84	3764.91	46.36	9.625	0.472	47.0	0			1
JT-85	3811.27	42.56	9.625	0.472	47.0	0			1
JT-86	3853.83	47.12	9.625	0.472	47.0	0			1
JT-87	3900.95	47.33	9.625	0.472	47.0	0			1
JT-88	3948.28	44.96	9.625	0.472	47.0	0			1
JT-89	3993.24	46.31	9.625	0.472	47.0	0			1
JT-90	4039.55	42.95	9.625	0.472	47.0	0			1
JT-91	4082.50	44.53	9.625	0.472	47.0	0			1
JT-92	4127.03	45.92	9.625	0.472	47.0	0			1
JT-93	4172.95	45.43	9.625	0.472	47.0	0			1
JT-94	4218.38	46.49	9.625	0.472	47.0	18	4255.14	8613	1
JT-95	4264.87	47.18	9.625	0.472	47.0	0			1
JT-96	4312.05	45.92	9.625	0.472	47.0	26	4347.28	8390	2
JT-97	4357.98	45.03	9.625	0.472	47.0	0			1
JT-98	4403.01	46.40	9.625	0.472	47.0	0			1
JT-99	4449.41	45.65	9.625	0.472	47.0	16	4474.89	8568	1
JT-100	4495.06	45.60	9.625	0.472	47.0	0			1
JT-101	4540.66	45.32	9.625	0.472	47.0	0			1
JT-102	4585.98	46.26	9.625	0.472	47.0	0			1
JT-103	4632.25	46.84	9.625	0.472	47.0	0			1
JT-104	4679.08	43.28	9.625	0.472	47.0	0			1
JT-105	4722.36	45.98	9.625	0.472	47.0	0			1
JT-106	4768.35	45.59	9.625	0.472	47.0	0			1
JT-107	4813.94	46.04	9.625	0.472	47.0	0			1
JT-108	4859.98	44.38	9.625	0.472	47.0	0			1
JT-109	4904.36	45.50	9.625	0.472	47.0	0			1
JT-110	4949.87	46.19	9.625	0.472	47.0	27	4983.34	8672	2
JT-111	4996.06	45.05	9.625	0.472	47.0	0			1
JT-112	5041.11	45.25	9.625	0.472	47.0	0			1
JT-113	5086.36	45.04	9.625	0.472	47.0	0			1
JT-114	5131.40	45.92	9.625	0.472	47.0	0			1
JT-115	5177.32	45.35	9.625	0.472	47.0	21	5204.50	8628	2
JT-116	5222.67	46.21	9.625	0.472	47.0	0			1
JT-117	5268.87	46.07	9.625	0.472	47.0	0			1
JT-118	5314.94	47.00	9.625	0.472	47.0	0			1
JT-119	5361.94	45.79	9.625	0.472	47.0	0			1
JT-120	5407.72	46.64	9.625	0.472	47.0	0			1
JT-121	5454.37	43.01	9.625	0.472	47.0	0			1
JT-122	5497.38	45.97	9.625	0.472	47.0	0			1
JT-123	5543.36	45.33	9.625	0.472	47.0	0			1
JT-124	5588.69	45.05	9.625	0.472	47.0	0			1
JT-125	5633.73	46.34	9.625	0.472	47.0	0			1
JT-126	5680.07	46.74	9.625	0.472	47.0	0			1
JT-127	5726.81	46.72	9.625	0.472	47.0	0			1
JT-128	5773.53	46.29	9.625	0.472	47.0	0			1
JT-129	5819.83	46.16	9.625	0.472	47.0	0			1
JT-130	5865.98	45.87	9.625	0.472	47.0	0			1
JT-131	5911.86	45.86	9.625	0.472	47.0	0			1
JT-132	5957.72	47.31	9.625	0.472	47.0	0			1
JT-133	6005.03	45.54	9.625	0.472	47.0	0			1
JT-134	6050.56	45.77	9.625	0.472	47.0	0			1
JT-135	6096.33	45.19	9.625	0.472	47.0	0			1
JT-136	6141.52	46.55	9.625	0.472	47.0	0			1
JT-137	6188.07	46.40	9.625	0.472	47.0	0			1

JT-137	6188.07	46.40	9.625	0.472	47.0	0			1
JT-138	6234.47	44.49	9.625	0.472	47.0	0			1
JT-139	6278.96	44.89	9.625	0.472	47.0	0			1
JT-140	6323.84	46.22	9.625	0.472	47.0	0			1
JT-141	6370.06	46.57	9.625	0.472	47.0	0			1
JT-142	6416.63	40.85	9.625	0.472	47.0	0			1
JT-143	6457.48	45.65	9.625	0.472	47.0	0			1
JT-144	6503.12	44.98	9.625	0.472	47.0	0			1
JT-145	6548.10	45.41	9.625	0.472	47.0	0			1
JT-146	6593.51	46.71	9.625	0.472	47.0	0			1
JT-147	6640.22	45.19	9.625	0.472	47.0	0			1
JT-148	6685.41	44.96	9.625	0.472	47.0	0			1
JT-149	6730.37	43.36	9.625	0.472	47.0	0			1
JT-150	6773.73	46.26	9.625	0.472	47.0	0			1
JT-151	6819.99	45.72	9.625	0.472	47.0	0			1
JT-152	6865.71	45.78	9.625	0.472	47.0	0			1
JT-153	6911.48	45.91	9.625	0.472	47.0	0			1
JT-154	6957.40	45.12	9.625	0.472	47.0	0			1
JT-155	7002.51	46.71	9.625	0.472	47.0	0			1
JT-156	7049.22	45.71	9.625	0.472	47.0	0			1
JT-157	7094.93	46.05	9.625	0.472	47.0	0			1
JT-158	7140.98	47.13	9.625	0.472	47.0	0			1
JT-159	7188.11	46.56	9.625	0.472	47.0	26	7189.98	8417	2
JT-160	7234.68	46.23	9.625	0.472	47.0	0			1
JT-161	7280.90	44.17	9.625	0.472	47.0	0			1
JT-162	7325.08	46.49	9.625	0.472	47.0	24	7363.10	8520	2
JT-163	7371.57	44.80	9.625	0.472	47.0	0			1
JT-164	7416.37	46.55	9.625	0.472	47.0	0			1
JT-165	7462.91	44.59	9.625	0.472	47.0	0			1
JT-166	7507.50	46.37	9.625	0.472	47.0	0			1
JT-167	7553.87	43.69	9.625	0.472	47.0	0			1
JT-168	7597.57	44.41	9.625	0.472	47.0	0			1
JT-169	7641.97	46.21	9.625	0.472	47.0	0			1
JT-170	7688.19	45.54	9.625	0.472	47.0	0			1
JT-171	7733.73	34.02	9.625	0.472	47.0	0			1

Inspection Date: 08-19-2016
Report Date: 08-23-2016