HR Vertilog

Magnetic Flux Leakage Inspection

Advanced Analysis

Company	Southern California Gas Company
Well	Porter 24A
Field	Aliso Canyon
County	Los Angeles
State	California

Location:
886.0' S and 1983.0' W of Station 84

Section 27	Township 3N	Range 16W	

Date	Sep. 21, 2016
Service Order	US109417
Recorded by	B. Deal
Witnessed by	T. McMahon
API Serial No.	037-24143

Permanent Datum:	GL	Elevation: 2182.000 ft.		Depth	7332.000
Log Measured From:	KB	0.000 ft. above Perm. Datum		Btm. Log Interval	7332.000
Drilling Measured From:	KB	0.000 ft. above Perm. Datum		Top Log Interval	0.000
				Fluid Type	KCL

Casing Data

Size	Weight	Grade	From	To	Length
13 3/8 inch	54.5 lb/ft	K-55	0	818	818.0
9 5/8 inch	47.0 lb/ft	N-80	0	7412	7412.0
5 1/2 inch	17.0 lb/ft	J-55	7354	7850	496.0

Software Version 7.3.4.1

Equipment Data

Run	Trip	Tool Type	Tool Series	Serial Number	Position
1	1	HRVRT MFL	4997	PB12116589	LOWER
1	1	HRVRT MFL	4997	QA10409830	UPPER
1	1	HRVRT TELEM	4993		

Calibration Data

Calibration File Name	4997-9-001-PB12116589-U.CAL
Date of Calibration	08/04/2016 09:01
Calibration Identifier	A2480992-3143-4A42-A964-278B50B27EAE

Tool Number	4997-00
Calibrator Number	4997-9-001
Calibrator Size	(9-5/8 In - 238 mm)
Calibration Source File	20160804_082128_MEM.MVL
Calibration Software Rev	Microvision 32-bit 7.3.4.0
Comment	RMA1273

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
Calibration Software Rev	Microvision 32-bit 7.3.4.0
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

HRVRT analysis was depth correlated to Baker Hughes processed Caliper logged September 21, 2016. Caliper log was correlated to SLB Dual Caliper logged October 19, 1993.

18.42 ft Hardware -External casing head response.
811.49 ft Hardware - Bottom of 13 3/8" external casing.
1308.39 ft Hardware - Centralizer
1397.52 ft Hardware - Centralizer
1485.31 ft Hardware - Centralizer
1574.24 ft Hardware - Centralizer
1663.26 ft Hardware - Centralizer
1752.26 ft Hardware - Centralizer
1841.98 ft Hardware - Centralizer
1931.86 ft Hardware - Centralizer
2020.92 ft Hardware - Centralizer
2110.31 ft Hardware - Centralizer
2197.01 ft Hardware - Centralizer
2287.24 ft Hardware - Centralizer
2375.33 ft Hardware - Centralizer
2459.39 ft Hardware - Centralizer
2545.86 ft Hardware - Centralizer
2634.43 ft Hardware - Centralizer
2722.43 ft Hardware - Centralizer
2810.35 ft Hardware - Centralizer
2899.10 ft Hardware - Centralizer
2990.19 ft Hardware - Centralizer
3005.08 ft Hardware - Centralizer
3051.30 ft Hardware - Centralizer
3094.73 ft Hardware - Centralizer
3138.72 ft Hardware - Centralizer

3225.97 ft Hardware - Centralizer
3315.18 ft Hardware - Centralizer
3359.62 ft Hardware - Centralizer
3402.64 ft Hardware - Centralizer
3446.72 ft Hardware - Centralizer
3799.02 ft Hardware - Centralizer
3844.99 ft Hardware - Centralizer
3887.05 ft Hardware - Centralizer
3931.65 ft Hardware - Centralizer
3976.74 ft Hardware - Centralizer
4064.98 ft Hardware - Centralizer
4153.98 ft Hardware - Centralizer
4241.84 ft Hardware - Centralizer
4332.43 ft Hardware - Centralizer
4420.49 ft Hardware - Centralizer
4508.14 ft Hardware - Centralizer
4597.89 ft Hardware - Centralizer
4686.26 ft Hardware - Centralizer
4777.37 ft Hardware - Centralizer
4866.28 ft Hardware - Centralizer
4954.20 ft Hardware - Centralizer
5046.83 ft Hardware - Centralizer
5135.04 ft Hardware - Centralizer
5226.12 ft Hardware - Centralizer
5404.58 ft Hardware - Centralizer
5493.97 ft Hardware - Centralizer
5583.92 ft Hardware - Centralizer
5673.38 ft Hardware - Centralizer
5765.40 ft Hardware - Centralizer
5805.65 ft Anomaly - Mechanical/Manufacturing Artifacts, metal gain, not metal loss.
5853.22 ft Hardware - Centralizer
5942.35 ft Hardware - Centralizer
6029.78 ft Hardware - Centralizer
6118.74 ft Hardware - Centralizer
6162.17 ft Hardware - Centralizer
6207.04 ft Hardware - Centralizer
6297.08 ft Hardware - Centralizer
6342.05 ft Hardware - Centralizer
6384.65 ft Hardware - Centralizer
6428.57 ft Hardware - Centralizer
6473.78 ft Hardware - Centralizer
6518.34 ft Hardware - Centralizer
6563.15 ft Hardware - Centralizer
6609.19 ft Hardware - Centralizer
6653.45 ft Hardware - Centralizer
6697.97 ft Hardware - Centralizer
6742.64 ft Hardware - Centralizer
6787.30 ft Hardware - Centralizer
6833.08 ft Hardware - Centralizer
6876.77 ft Hardware - Centralizer
6922.72 ft Hardware - Centralizer
6965.92 ft Hardware - Centralizer
7009.17 ft Hardware - Centralizer
7052.04 ft Hardware - Centralizer
7095.46 ft Hardware - Centralizer
7109.95 ft Hardware - Centralizer
7153.06 ft Hardware - Centralizer
7196.02 ft Hardware - Centralizer
7198.93 ft Hardware - Centralizer
7222.21 ft Hardware - Centralizer
7230.16 ft Hardware - Centralizer
7239.95 ft Hardware - Centralizer

7257.51 ft Hardware - Centralizer
7275.58 ft Hardware - Centralizer
7280.71 ft Hardware - Centralizer
7283.15 ft Hardware - Centralizer

Joint Interpretation Summary

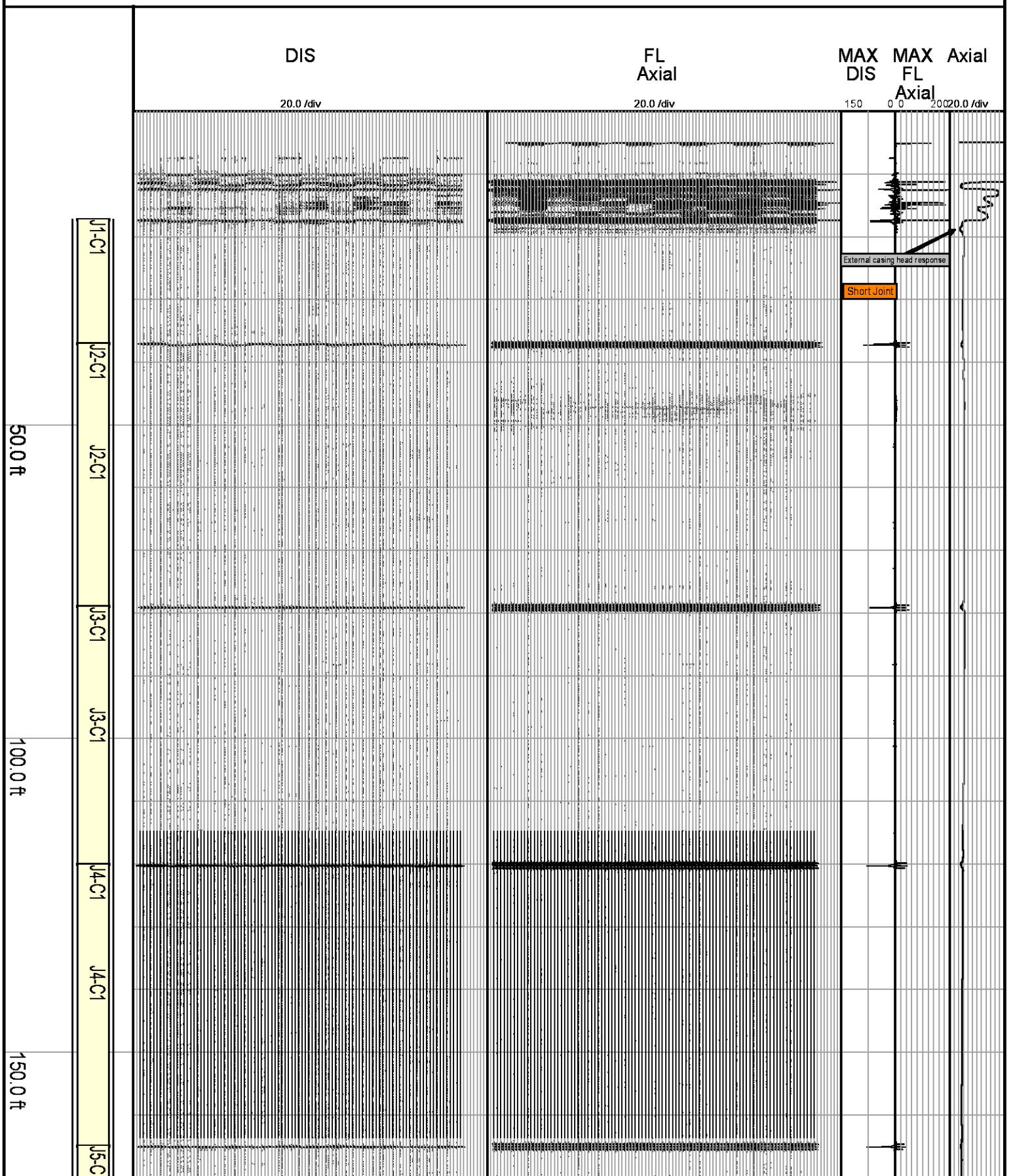
Joint	From	To	Length	Class	Max Depth	Position	ID/OD
1	17.34	37.16	19.82	Class 1	-	-	-
2	37.16	79.06	41.90	Class 1	-	-	-
3	79.06	120.17	41.11	Class 1	-	-	-
4	120.17	165.04	44.87	Class 1	-	-	-
5	165.04	207.32	42.28	Class 1	-	-	-
6	207.32	252.13	44.81	Class 1	-	-	-
7	252.13	296.87	44.74	Class 1	-	-	-
8	296.87	341.19	44.32	Class 1	-	-	-
9	341.19	382.63	41.44	Class 1	-	-	-
10	382.63	426.51	43.88	Class 1	-	-	-
11	426.51	471.79	45.28	Class 1	-	-	-
12	471.79	516.36	44.57	Class 1	-	-	-
13	516.36	561.45	45.09	Class 1	-	-	-
14	561.45	608.24	46.79	Class 1	-	-	-
15	608.24	653.73	45.49	Class 1	-	-	-
16	653.73	697.61	43.88	Class 1	-	-	-
17	697.61	739.75	42.14	Class 1	-	-	-
18	739.75	783.16	43.41	Class 1	-	-	-
19	783.16	824.71	41.55	Class 1	-	-	-
20	824.71	870.17	45.46	Class 1	-	-	-
21	870.17	914.24	44.07	Class 1	-	-	-
22	914.24	959.36	45.12	Class 1	-	-	-
23	959.36	1005.35	45.99	Class 1	-	-	-
24	1005.35	1049.51	44.16	Class 1	-	-	-
25	1049.51	1090.08	40.57	Class 1	-	-	-
26	1090.08	1131.29	41.21	Class 1	-	-	-
27	1131.29	1175.54	44.25	Class 1	-	-	-
28	1175.54	1217.96	42.42	Class 1	-	-	-
29	1217.96	1262.46	44.50	Class 1	-	-	-
30	1262.46	1308.36	45.90	Class 1	-	-	-
31	1308.36	1352.84	44.48	Class 1	-	-	-
32	1352.84	1397.48	44.64	Class 1	-	-	-
33	1397.48	1441.36	43.88	Class 1	-	-	-
34	1441.36	1485.33	43.97	Class 1	-	-	-
35	1485.33	1529.66	44.33	Class 1	-	-	-
36	1529.66	1574.23	44.57	Class 1	-	-	-
37	1574.23	1618.65	44.42	Class 1	-	-	-
38	1618.65	1663.25	44.60	Class 1	-	-	-
39	1663.25	1708.53	45.28	Class 1	-	-	-
40	1708.53	1752.28	43.75	Class 1	-	-	-
41	1752.28	1798.78	46.50	Class 1	-	-	-
42	1798.78	1841.93	43.15	Class 1	-	-	-
43	1841.93	1888.05	46.12	Class 1	-	-	-
44	1888.05	1931.81	43.76	Class 1	-	-	-
45	1931.81	1976.91	45.10	Class 1	-	-	-
46	1976.91	2020.90	43.99	Class 1	-	-	-
47	2020.90	2064.80	43.90	Class 1	-	-	-
48	2064.80	2110.27	45.47	Class 1	-	-	-
49	2110.27	2154.22	43.95	Class 1	-	-	-

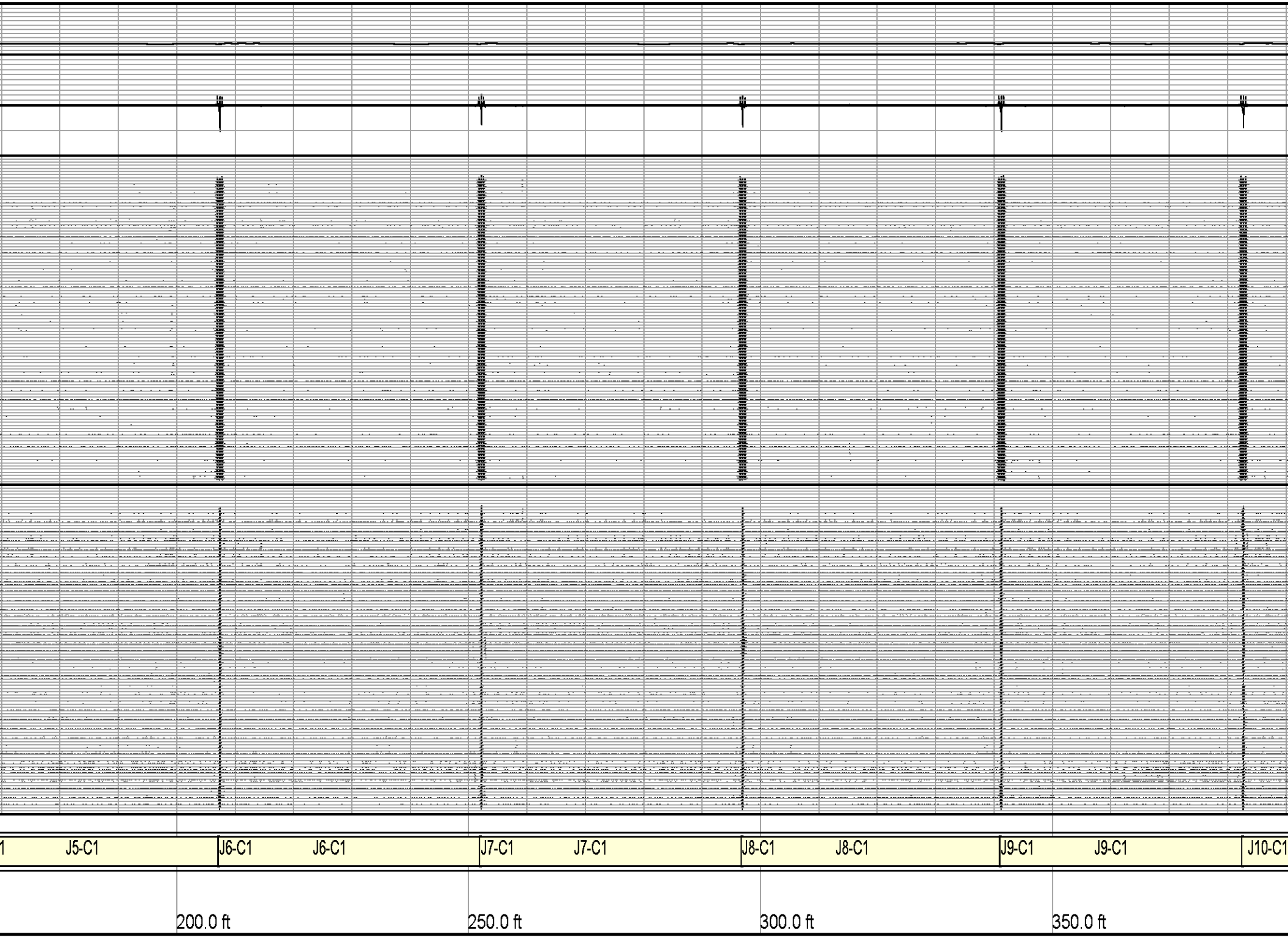
50	2154.22	2196.99	42.77	Class 1	-	-	-
51	2196.99	2242.41	45.42	Class 1	-	-	-
52	2242.41	2287.21	44.80	Class 1	-	-	-
53	2287.21	2330.61	43.40	Class 1	-	-	-
54	2330.61	2375.36	44.75	Class 1	-	-	-
55	2375.36	2416.71	41.35	Class 1	-	-	-
56	2416.71	2459.34	42.63	Class 1	-	-	-
57	2459.34	2502.71	43.37	Class 1	-	-	-
58	2502.71	2545.89	43.18	Class 1	-	-	-
59	2545.89	2590.94	45.05	Class 1	-	-	-
60	2590.94	2634.37	43.43	Class 1	-	-	-
61	2634.37	2678.15	43.78	Class 1	-	-	-
62	2678.15	2722.38	44.23	Class 1	-	-	-
63	2722.38	2766.93	44.55	Class 1	-	-	-
64	2766.93	2810.37	43.44	Class 1	-	-	-
65	2810.37	2854.68	44.31	Class 1	-	-	-
66	2854.68	2899.07	44.39	Class 1	-	-	-
67	2899.07	2943.87	44.80	Class 1	-	-	-
68	2943.87	2990.13	46.26	Class 1	-	-	-
69	2990.13	3005.02	14.89	Class 1	-	-	-
70	3005.02	3051.25	46.23	Class 1	-	-	-
71	3051.25	3094.73	43.48	Class 1	-	-	-
72	3094.73	3138.68	43.95	Class 1	-	-	-
73	3138.68	3182.50	43.82	Class 1	-	-	-
74	3182.50	3225.98	43.48	Class 1	-	-	-
75	3225.98	3270.66	44.68	Class 1	-	-	-
76	3270.66	3315.20	44.54	Class 1	-	-	-
77	3315.20	3359.58	44.38	Class 1	-	-	-
78	3359.58	3402.62	43.04	Class 1	-	-	-
79	3402.62	3446.72	44.10	Class 1	19.0%	3419.85	OD
80	3446.72	3491.46	44.74	Class 1	-	-	-
81	3491.46	3536.87	45.41	Class 1	-	-	-
82	3536.87	3582.58	45.71	Class 1	-	-	-
83	3582.58	3624.87	42.29	Class 1	-	-	-
84	3624.87	3668.57	43.70	Class 1	-	-	-
85	3668.57	3712.41	43.84	Class 1	-	-	-
86	3712.41	3755.40	42.99	Class 1	-	-	-
87	3755.40	3798.95	43.55	Class 1	-	-	-
88	3798.95	3844.99	46.04	Class 1	-	-	-
89	3844.99	3887.03	42.04	Class 1	-	-	-
90	3887.03	3931.63	44.60	Class 1	-	-	-
91	3931.63	3976.69	45.06	Class 1	-	-	-
92	3976.69	4020.27	43.58	Class 1	-	-	-
93	4020.27	4064.94	44.67	Class 1	-	-	-
94	4064.94	4109.24	44.30	Class 1	-	-	-
95	4109.24	4153.93	44.69	Class 1	-	-	-
96	4153.93	4199.08	45.15	Class 1	-	-	-
97	4199.08	4241.80	42.72	Class 1	-	-	-
98	4241.80	4287.13	45.33	Class 1	-	-	-
99	4287.13	4332.41	45.28	Class 1	-	-	-
100	4332.41	4375.81	43.40	Class 1	-	-	-
101	4375.81	4420.50	44.69	Class 1	-	-	-
102	4420.50	4464.27	43.77	Class 1	-	-	-
103	4464.27	4508.12	43.85	Class 1	-	-	-
104	4508.12	4552.60	44.48	Class 1	-	-	-
105	4552.60	4597.85	45.25	Class 1	-	-	-
106	4597.85	4641.85	44.00	Class 1	-	-	-
107	4641.85	4686.18	44.33	Class 1	-	-	-
108	4686.18	4731.55	45.37	Class 1	-	-	-
109	4731.55	4777.34	45.79	Class 1	-	-	-
110	4777.34	4820.99	43.65	Class 1	-	-	-
111	4820.99	4866.22	45.23	Class 1	-	-	-
112	4866.22	4909.78	43.56	Class 1	-	-	-

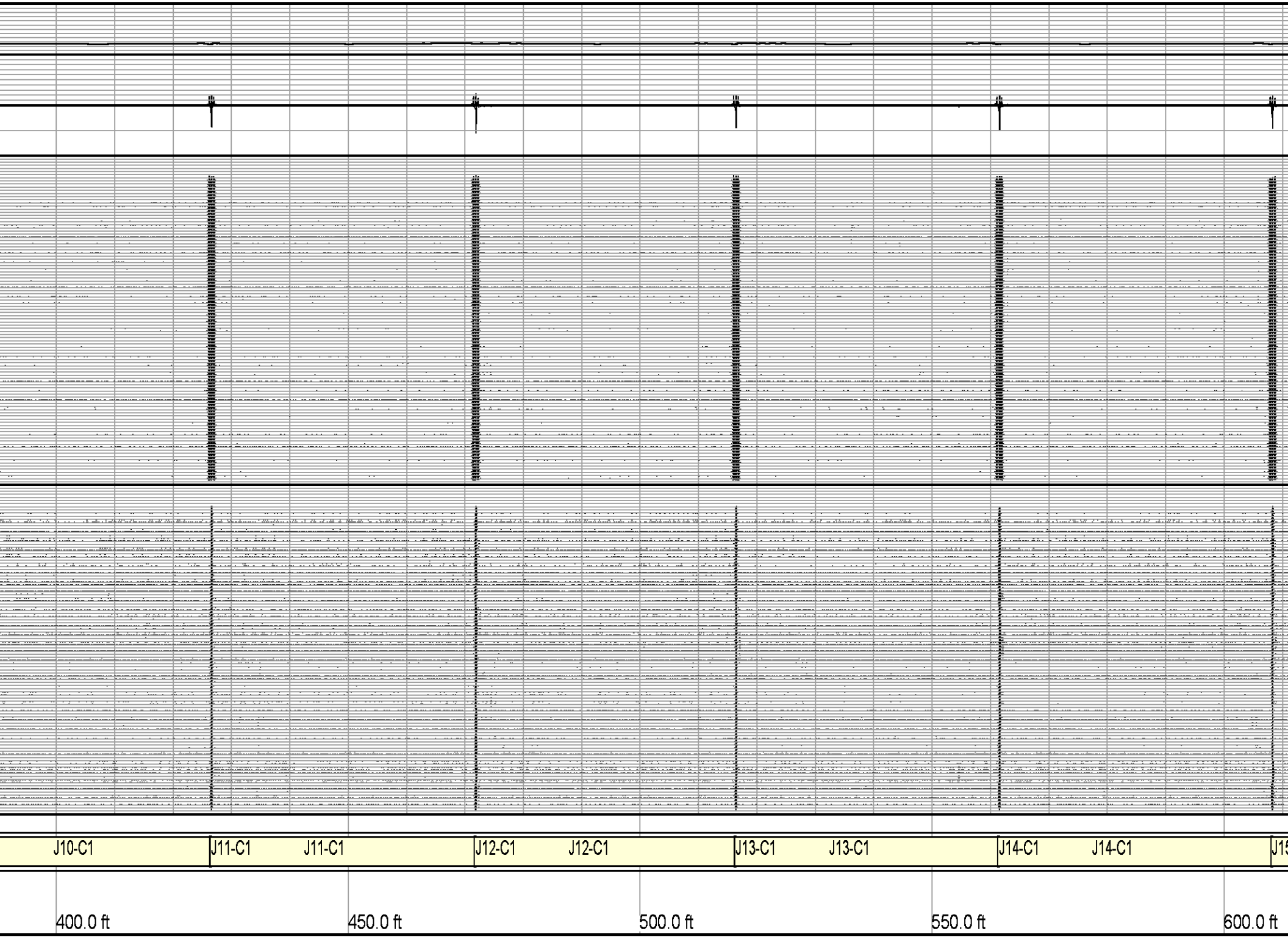
113	4909.78	4954.17	44.39	Class	1	-	-	-
114	4954.17	5000.35	46.18	Class	1	-	-	-
115	5000.35	5046.80	46.45	Class	1	-	-	-
116	5046.80	5091.41	44.61	Class	1	-	-	-
117	5091.41	5135.04	43.63	Class	1	-	-	-
118	5135.04	5181.19	46.15	Class	1	-	-	-
119	5181.19	5226.05	44.86	Class	1	-	-	-
120	5226.05	5270.94	44.89	Class	1	-	-	-
121	5270.94	5314.54	43.60	Class	1	-	-	-
122	5314.54	5360.21	45.67	Class	1	-	-	-
123	5360.21	5404.58	44.37	Class	2	23.0%	5366.11	OD
124	5404.58	5449.23	44.65	Class	1	-	-	-
125	5449.23	5493.92	44.69	Class	1	-	-	-
126	5493.92	5538.18	44.26	Class	1	-	-	-
127	5538.18	5583.91	45.73	Class	1	-	-	-
128	5583.91	5629.99	46.08	Class	1	-	-	-
129	5629.99	5673.32	43.33	Class	1	-	-	-
130	5673.32	5718.90	45.58	Class	1	-	-	-
131	5718.90	5765.35	46.45	Class	1	-	-	-
132	5765.35	5808.87	43.52	Class	1	-	-	-
133	5808.87	5853.18	44.31	Class	1	-	-	-
134	5853.18	5897.18	44.00	Class	1	-	-	-
135	5897.18	5942.31	45.13	Class	1	-	-	-
136	5942.31	5985.36	43.05	Class	1	-	-	-
137	5985.36	6029.75	44.39	Class	1	-	-	-
138	6029.75	6072.69	42.94	Class	1	-	-	-
139	6072.69	6118.65	45.96	Class	1	-	-	-
140	6118.65	6162.14	43.49	Class	1	-	-	-
141	6162.14	6207.01	44.87	Class	1	-	-	-
142	6207.01	6252.65	45.64	Class	1	-	-	-
143	6252.65	6297.09	44.44	Class	1	-	-	-
144	6297.09	6342.03	44.94	Class	1	-	-	-
145	6342.03	6384.66	42.63	Class	1	-	-	-
146	6384.66	6428.54	43.88	Class	1	-	-	-
147	6428.54	6473.76	45.22	Class	1	-	-	-
148	6473.76	6518.28	44.52	Class	1	-	-	-
149	6518.28	6563.08	44.80	Class	1	-	-	-
150	6563.08	6609.15	46.07	Class	1	-	-	-
151	6609.15	6653.49	44.34	Class	1	-	-	-
152	6653.49	6697.96	44.47	Class	1	-	-	-
153	6697.96	6742.61	44.65	Class	1	-	-	-
154	6742.61	6787.26	44.65	Class	1	-	-	-
155	6787.26	6833.19	45.93	Class	1	-	-	-
156	6833.19	6876.77	43.58	Class	1	-	-	-
157	6876.77	6922.73	45.96	Class	1	-	-	-
158	6922.73	6965.85	43.12	Class	1	-	-	-
159	6965.85	7009.14	43.29	Class	1	-	-	-
160	7009.14	7051.98	42.84	Class	1	-	-	-
161	7051.98	7095.43	43.45	Class	1	-	-	-
162	7095.43	7109.90	14.47	Class	1	-	-	-
163	7109.90	7152.98	43.08	Class	1	-	-	-
164	7152.98	7196.03	43.05	Class	1	-	-	-
165	7196.03	7239.95	43.92	Class	1	-	-	-
166	7239.95	7283.21	43.26	Class	2	23.0%	7271.68	ID
167	7283.21	7297.97	14.76	Class	1	-	-	-

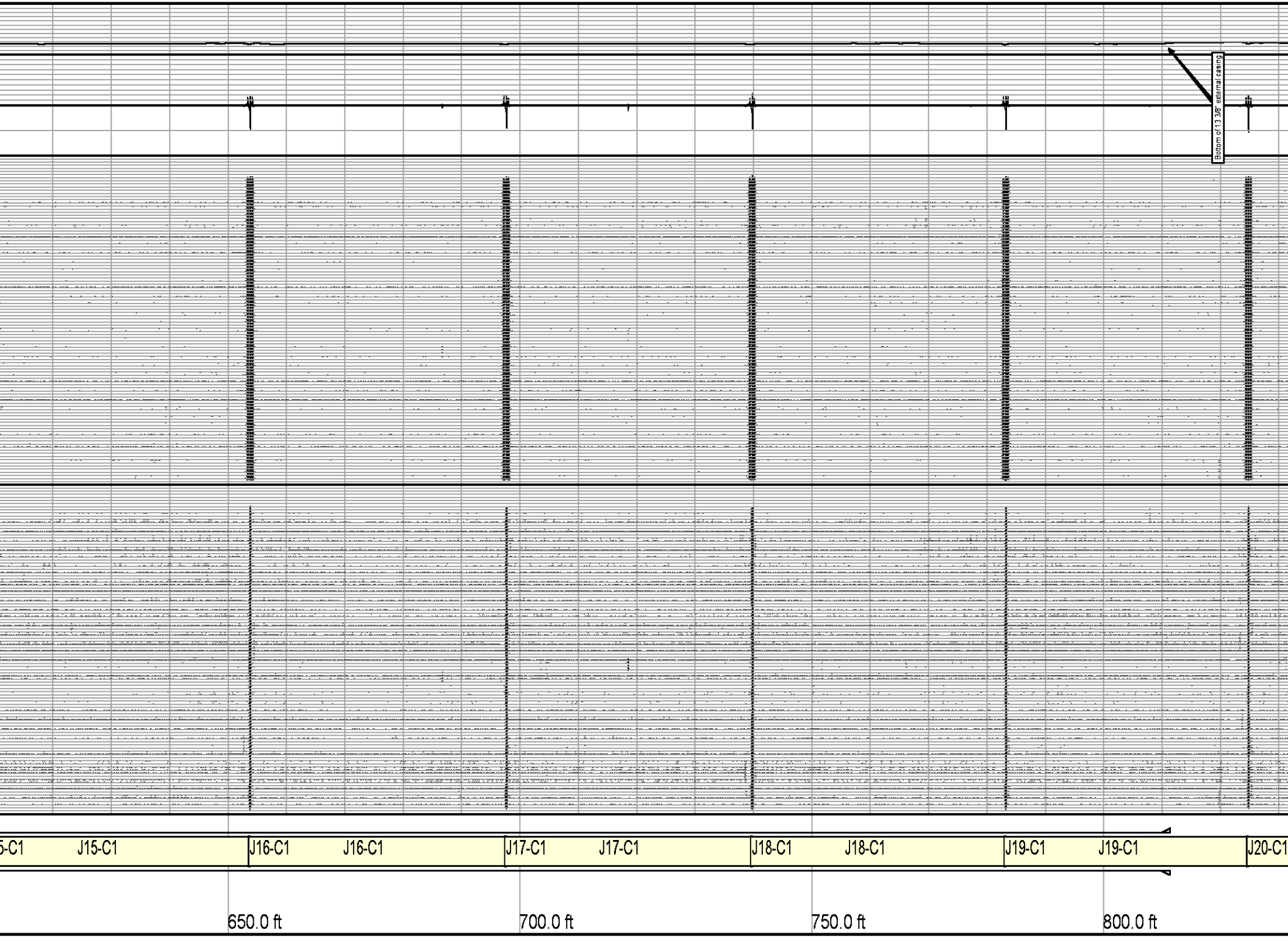
MAIN LOG
5" / 100'

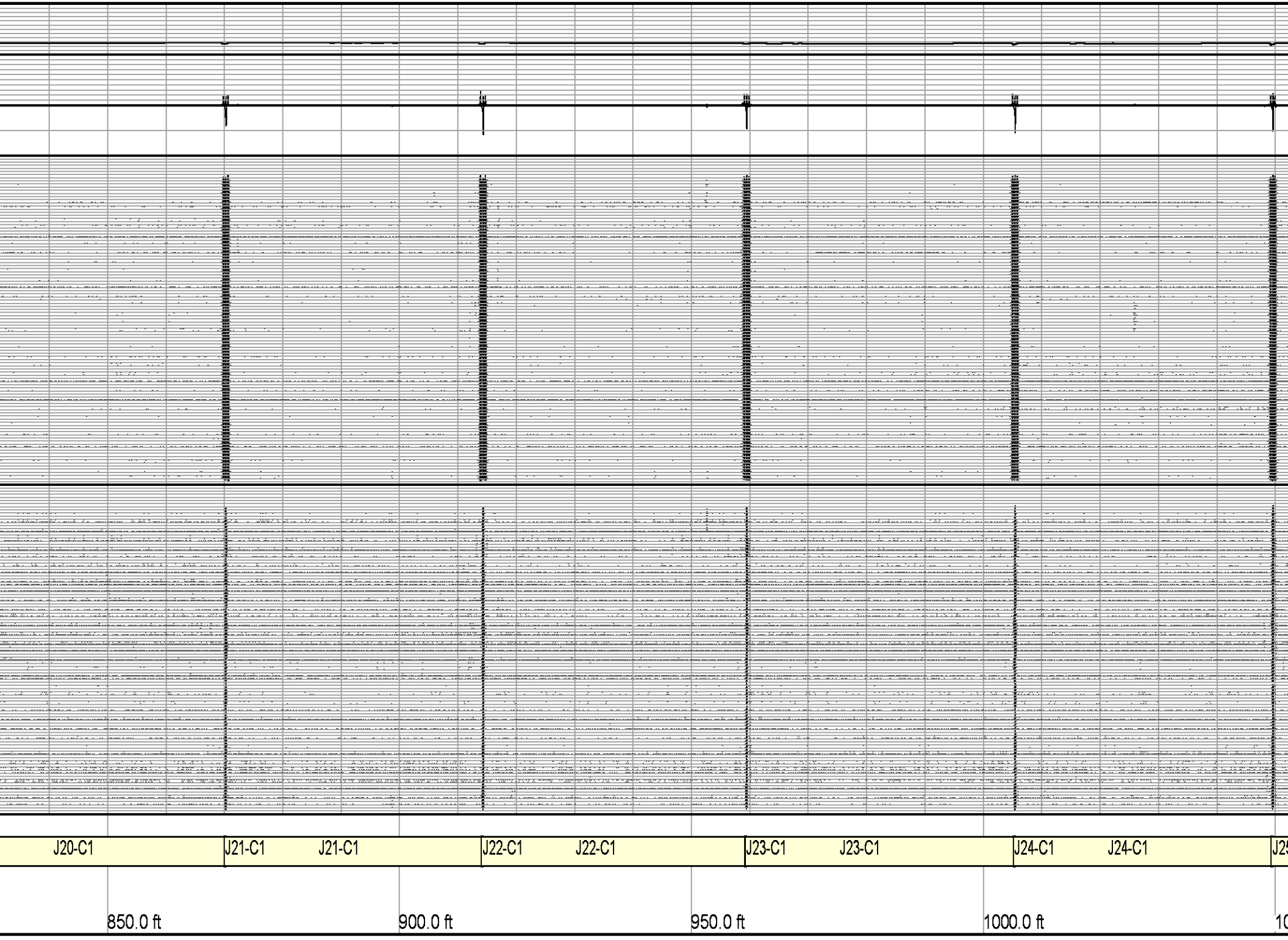
Class 1	Class 2	Class 3	Class 4
0 - 20%	20 - 40%	40 - 60%	60 - 100%

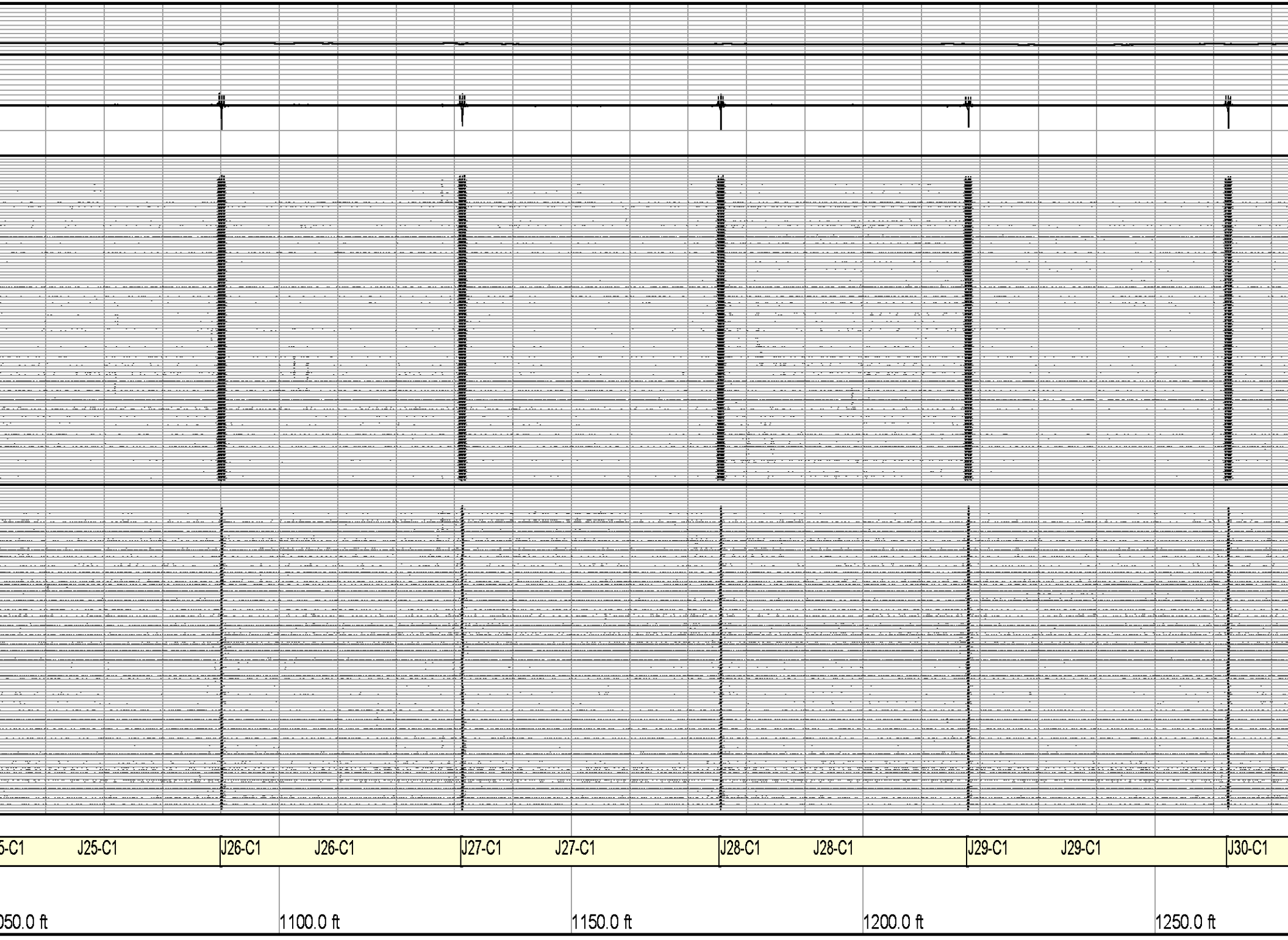


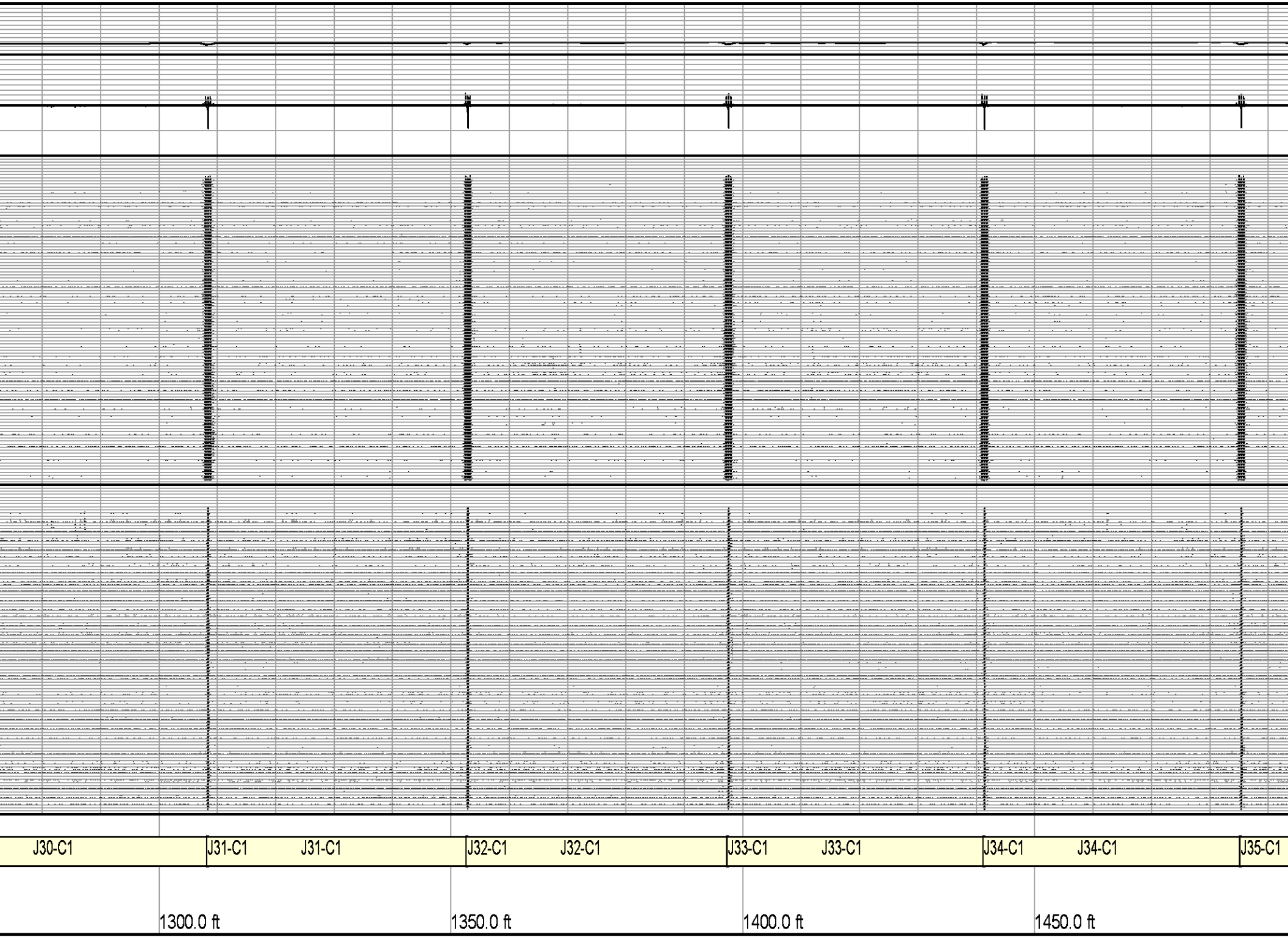

1
J5-C1
J6-C1
J6-C1
J7-C1
J7-C1
J8-C1
J8-C1
J9-C1
J9-C1
J10-C1
200.0 ft
250.0 ft
300.0 ft
350.0 ft

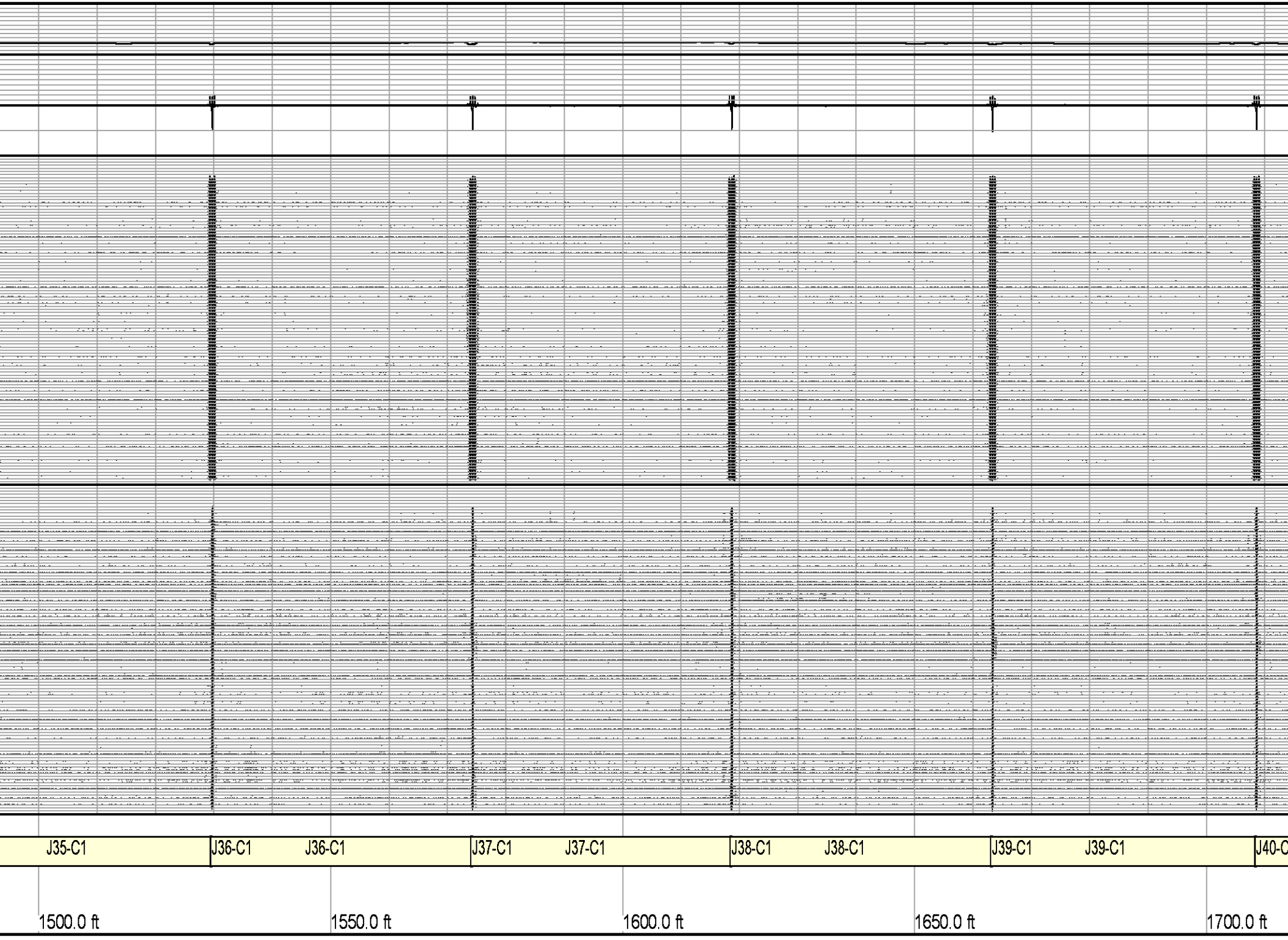

J10-C1
J11-C1
J11-C1
J12-C1
J12-C1
J13-C1
J13-C1
J14-C1
J14-C1
400.0 ft
450.0 ft
500.0 ft
550.0 ft
600.0 ft

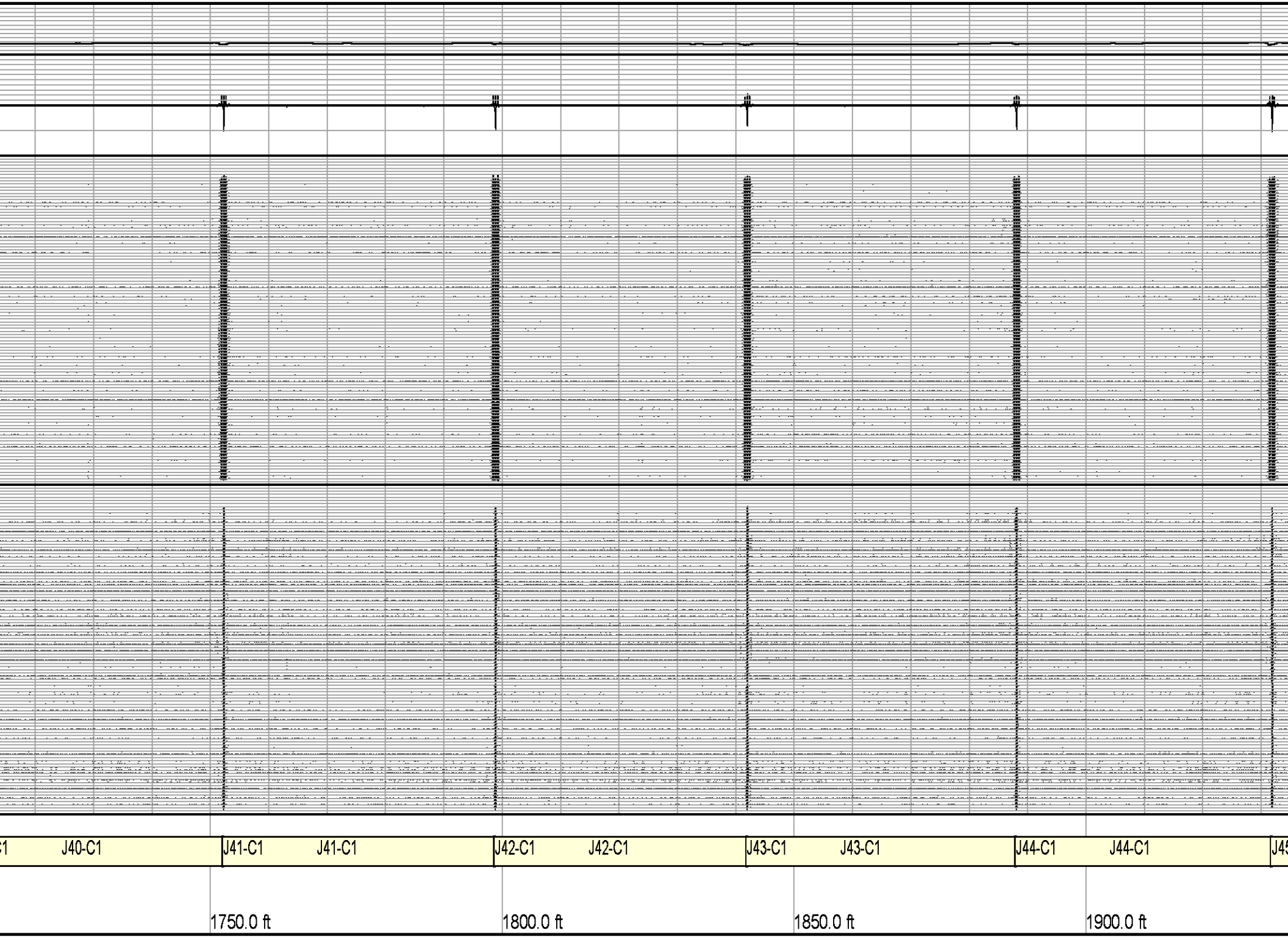

Bottom of 13 3/8" external casing
5-C1
J15-C1
J16-C1
J16-C1
J17-C1
J17-C1
J18-C1
J18-C1
J19-C1
J19-C1
J20-C1
650.0 ft
700.0 ft
750.0 ft
800.0 ft

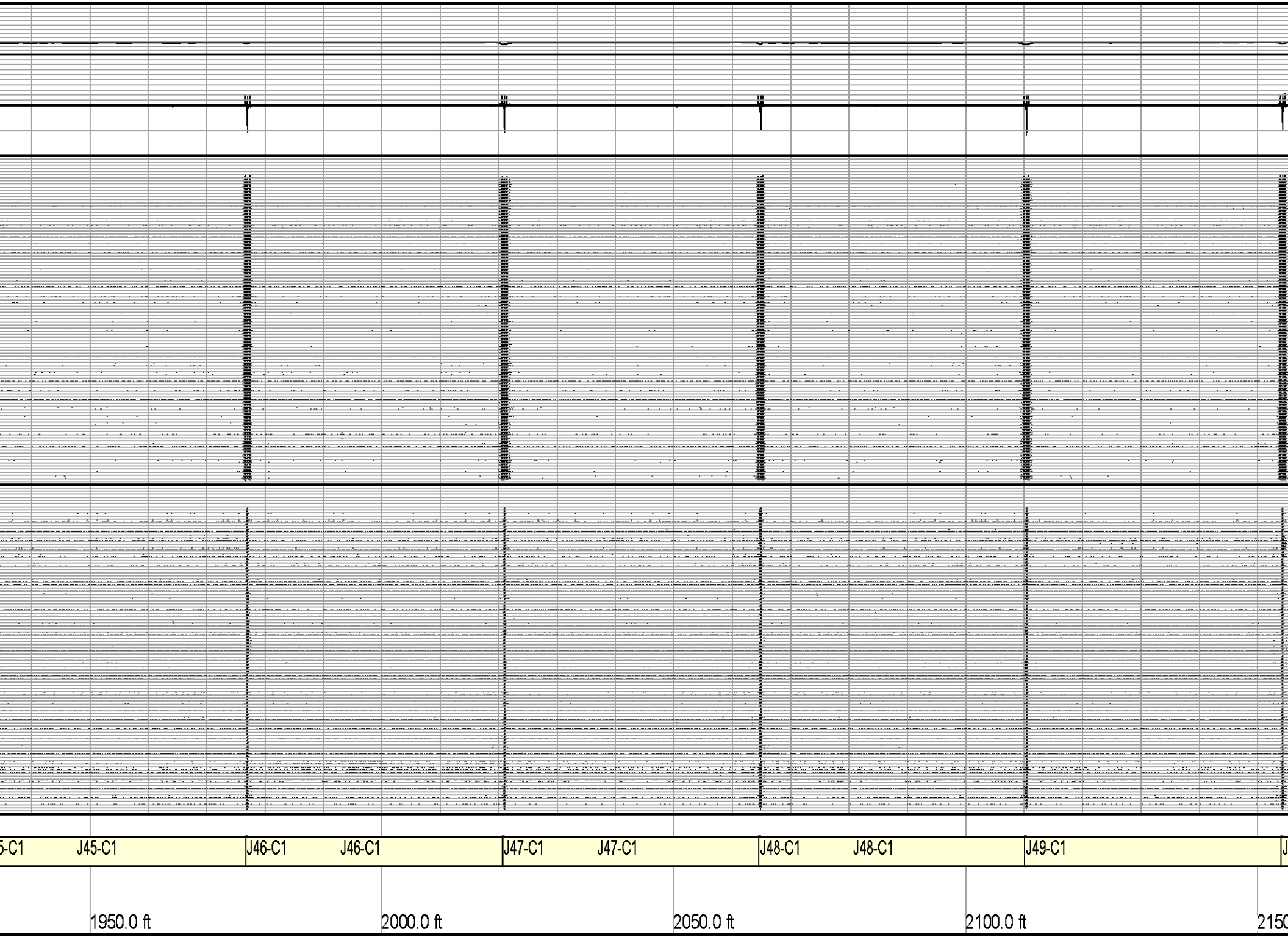

J20-C1
J21-C1
J21-C1
J22-C1
J22-C1
J23-C1
J23-C1
J24-C1
J24-C1
850.0 ft
900.0 ft
950.0 ft
1000.0 ft

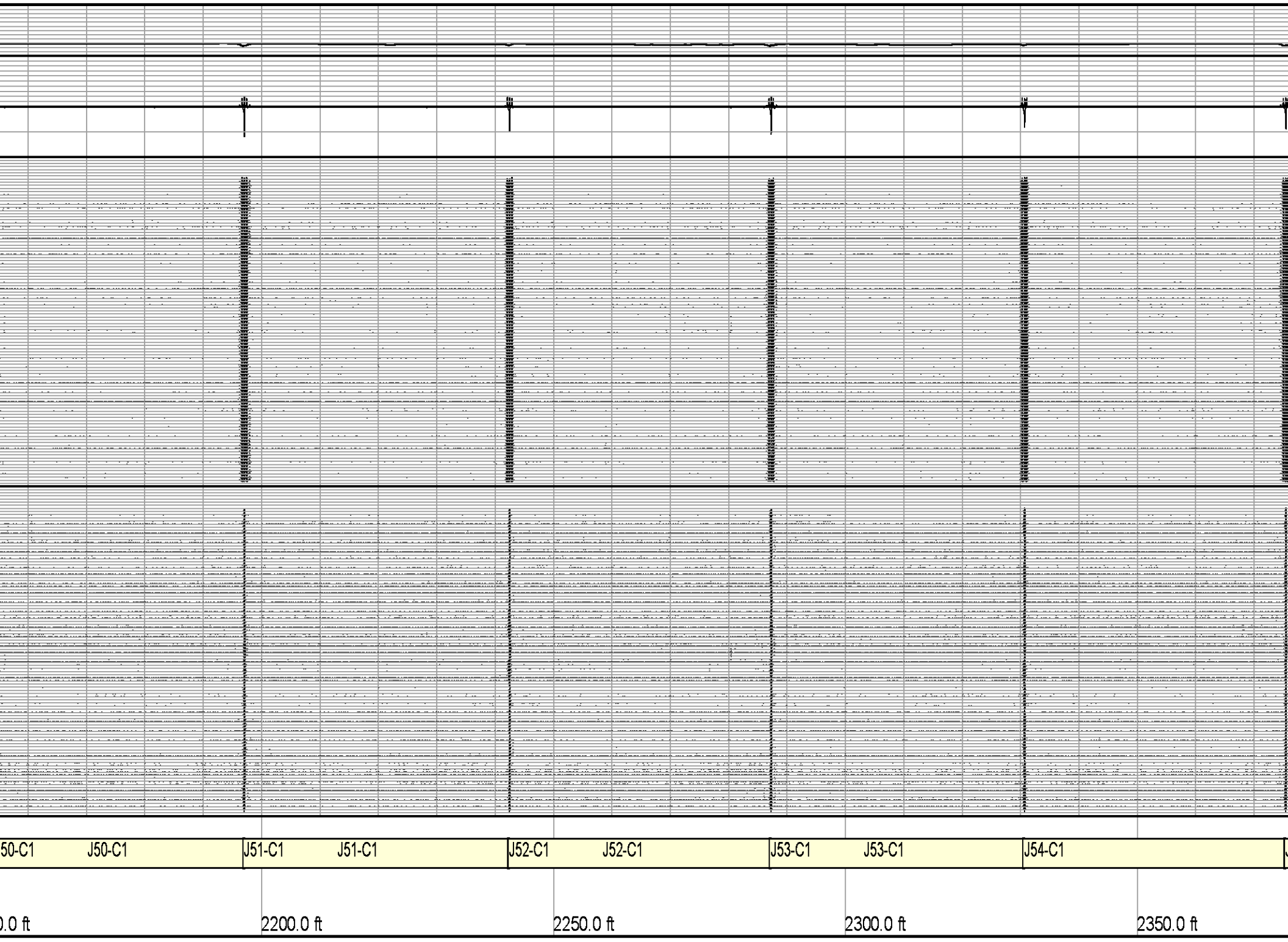

5-C1
J25-C1
J26-C1
J26-C1
J27-C1
J27-C1
J28-C1
J28-C1
J29-C1
J29-C1
J30-C1
050.0 ft
1100.0 ft
1150.0 ft
1200.0 ft
1250.0 ft

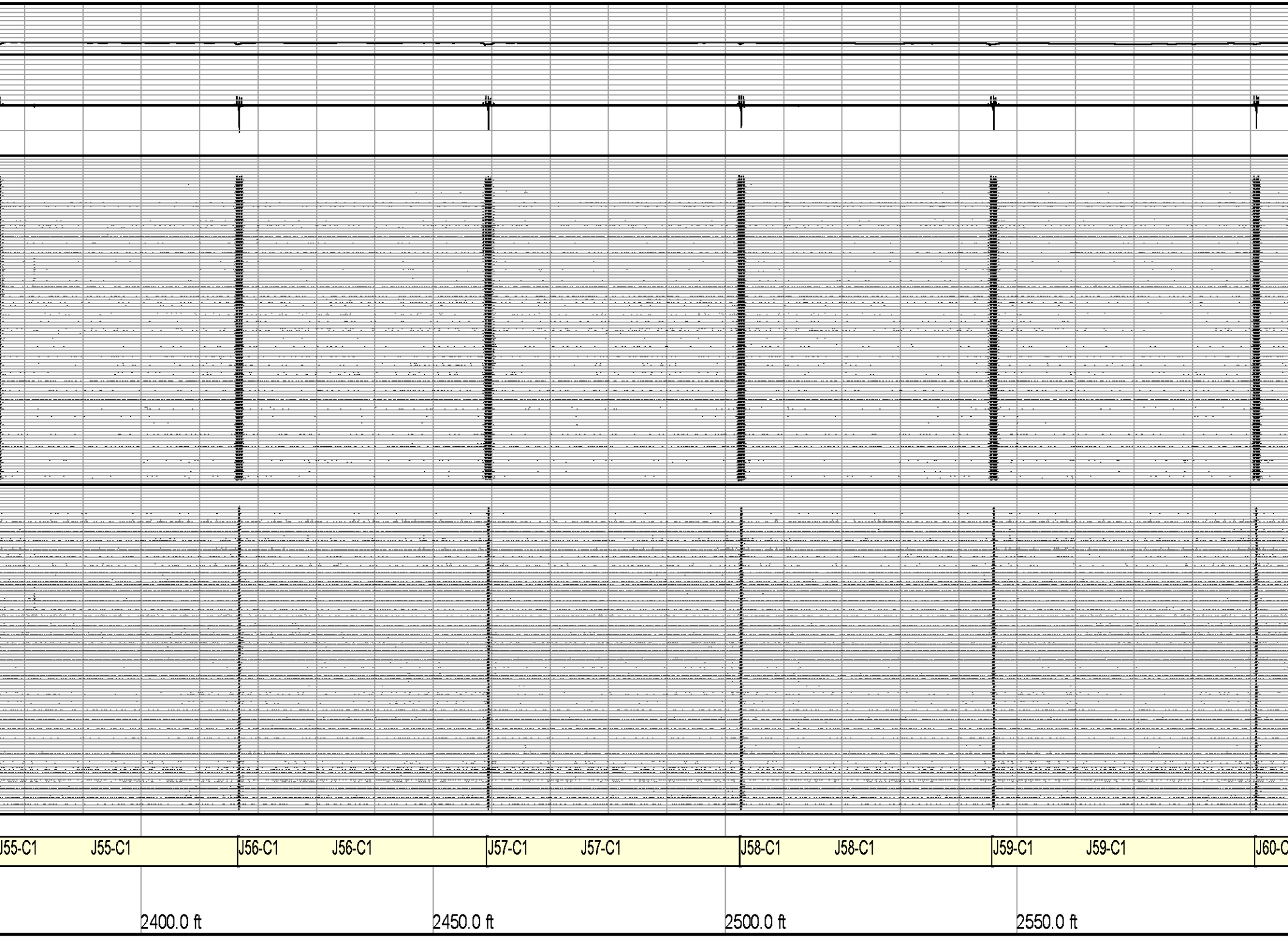

J30-C1
J31-C1
J31-C1
J32-C1
J32-C1
J33-C1
J33-C1
J34-C1
J34-C1
J35-C1
1300.0 ft
1350.0 ft
1400.0 ft
1450.0 ft

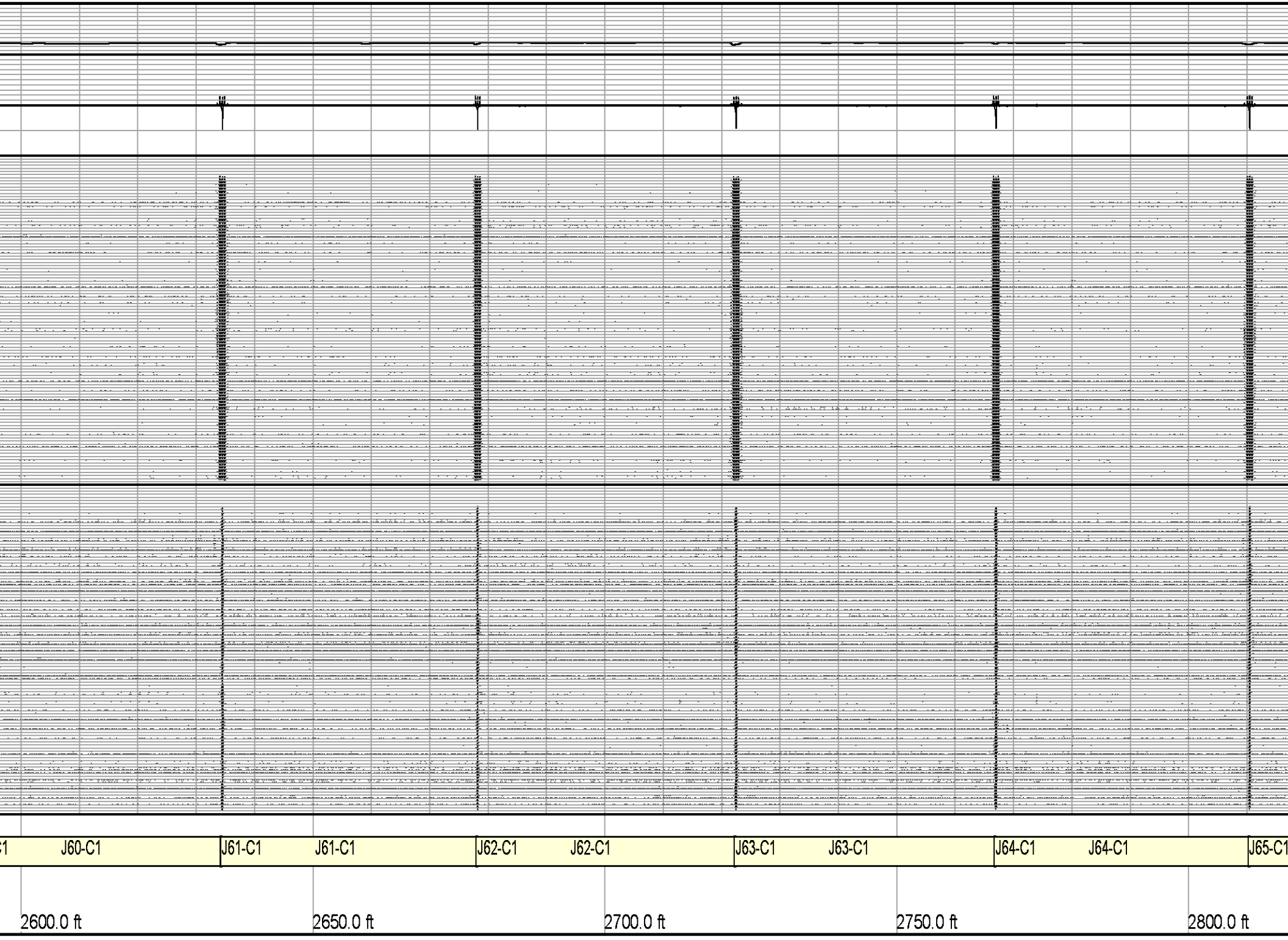

J35-C1
J36-C1
J36-C1
J37-C1
J37-C1
J38-C1
J38-C1
J39-C1
J39-C1
J40-C
1500.0 ft
1550.0 ft
1600.0 ft
1650.0 ft
1700.0 ft

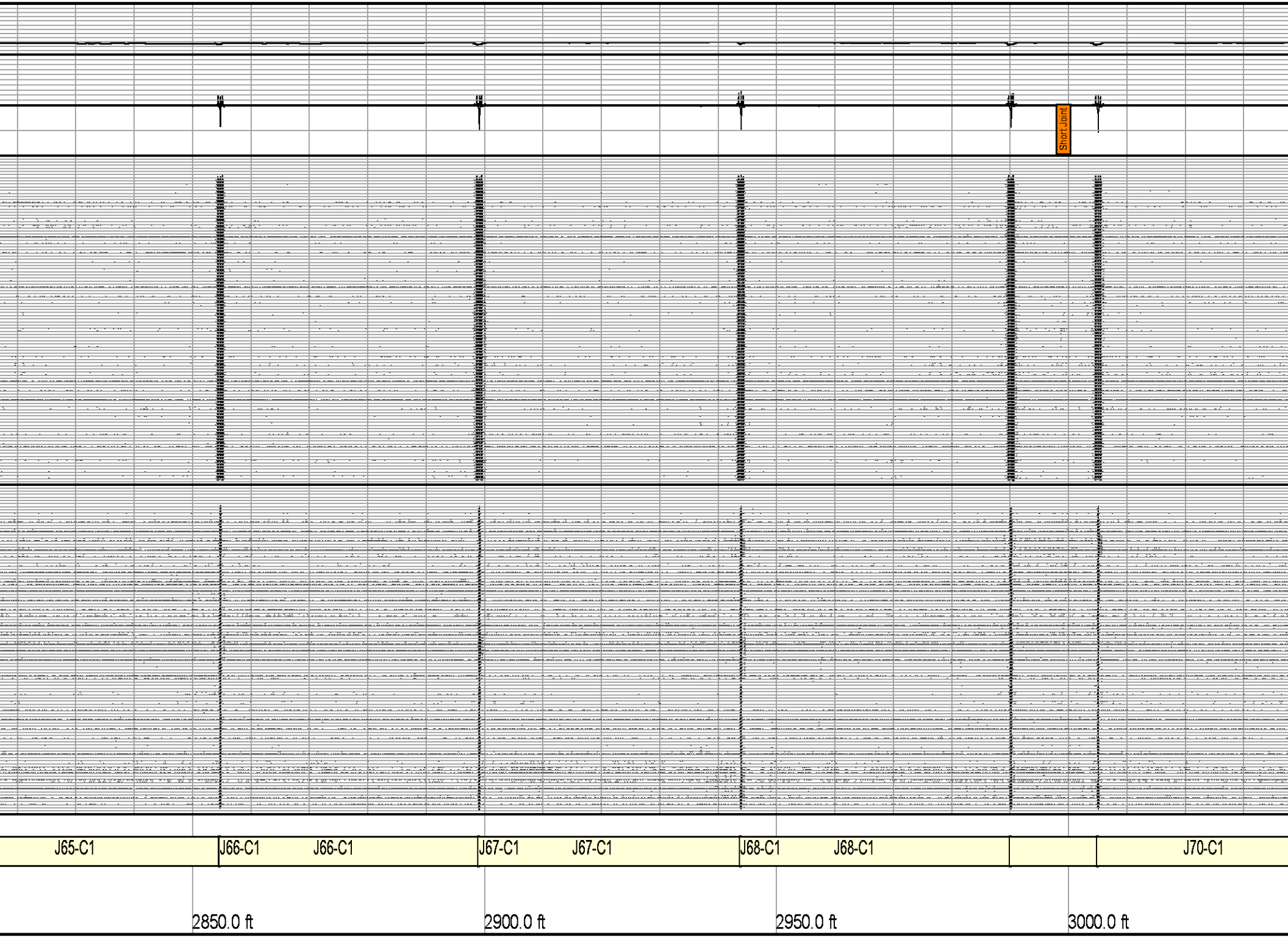

J40-C1
J41-C1
J41-C1
J42-C1
J42-C1
J43-C1
J43-C1
J44-C1
J44-C1
1750.0 ft
1800.0 ft
1850.0 ft
1900.0 ft

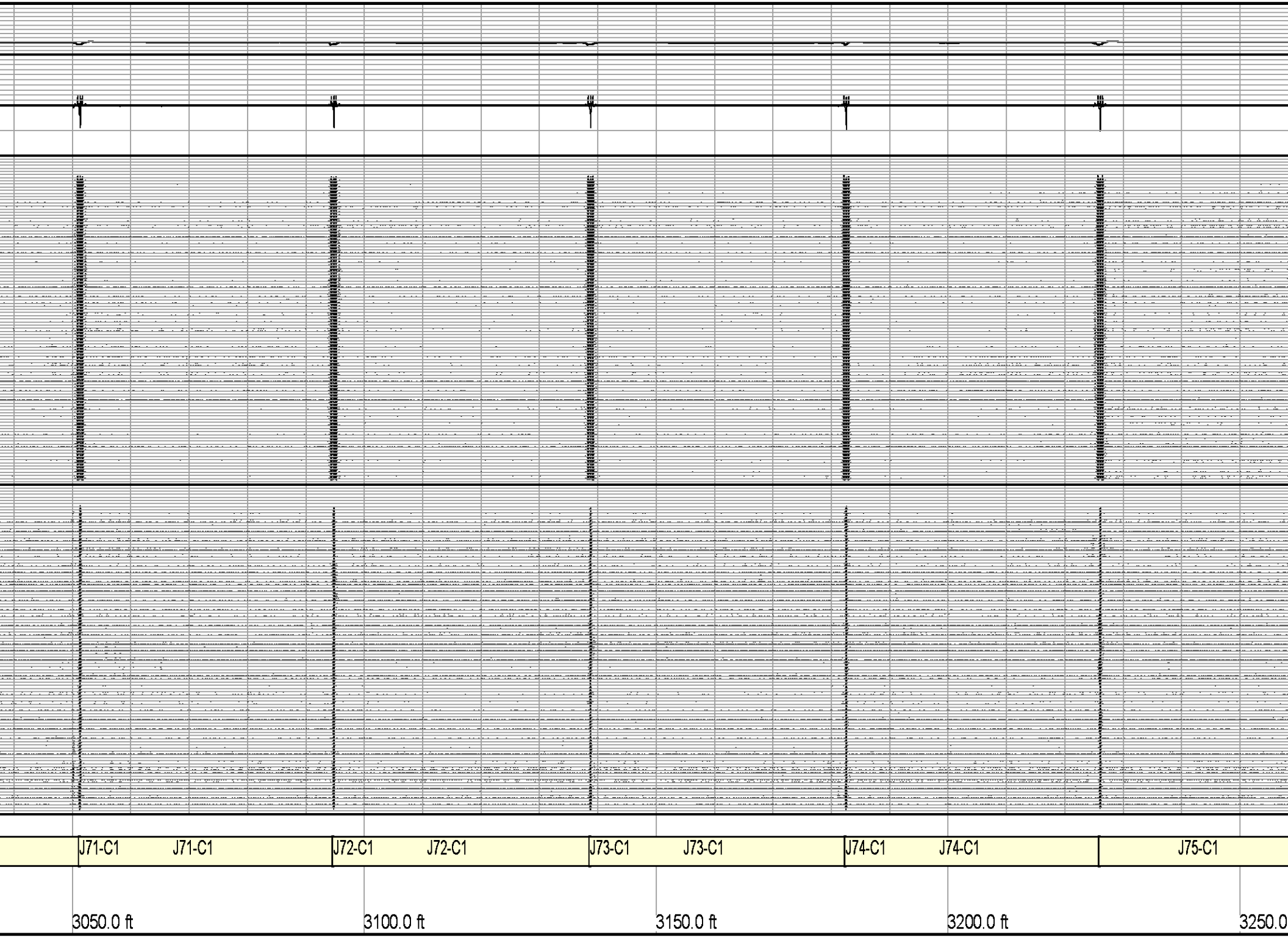

5-C1
J45-C1
J46-C1
J46-C1
J47-C1
J47-C1
J48-C1
J48-C1
J49-C1
1950.0 ft
2000.0 ft
2050.0 ft
2100.0 ft

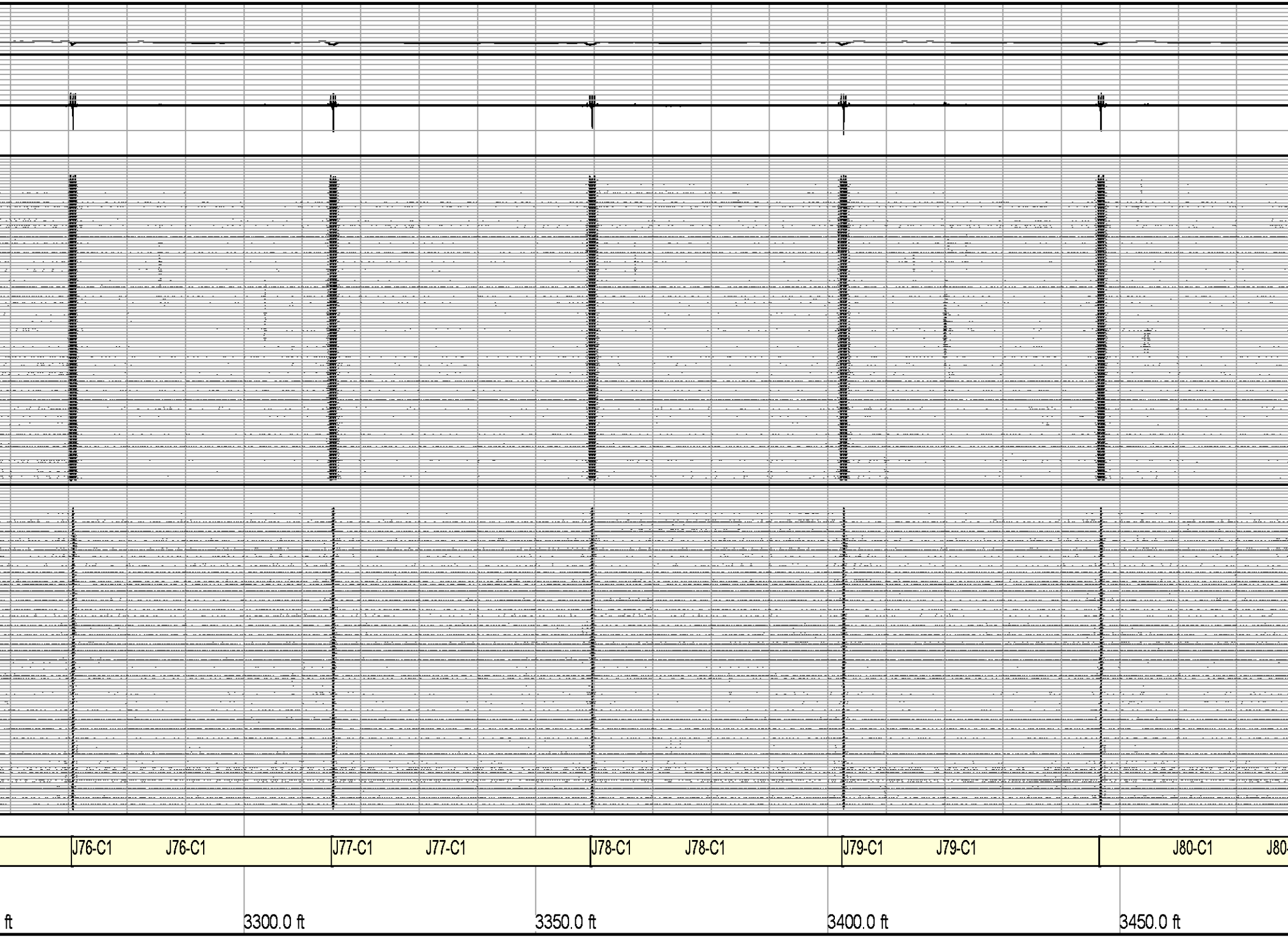

50-C1
J50-C1
J51-C1
J51-C1
J52-C1
J52-C1
J53-C1
J53-C1
J54-C1
0.0 ft
2200.0 ft
2250.0 ft
2300.0 ft
2350.0 ft

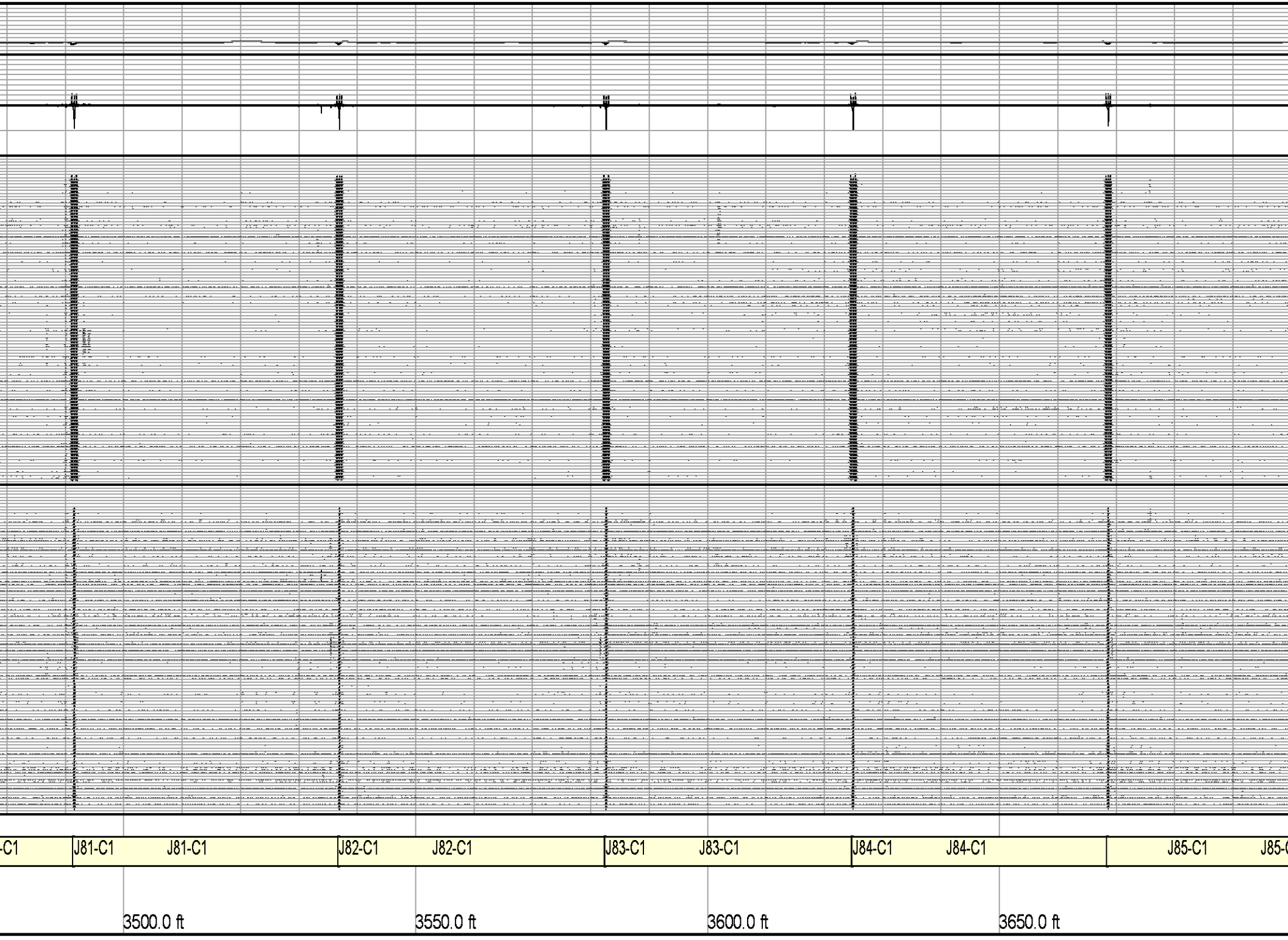

J55-C1
J55-C1
J56-C1
J56-C1
J57-C1
J57-C1
J58-C1
J58-C1
J59-C1
J59-C1
J60-C
2400.0 ft
2450.0 ft
2500.0 ft
2550.0 ft

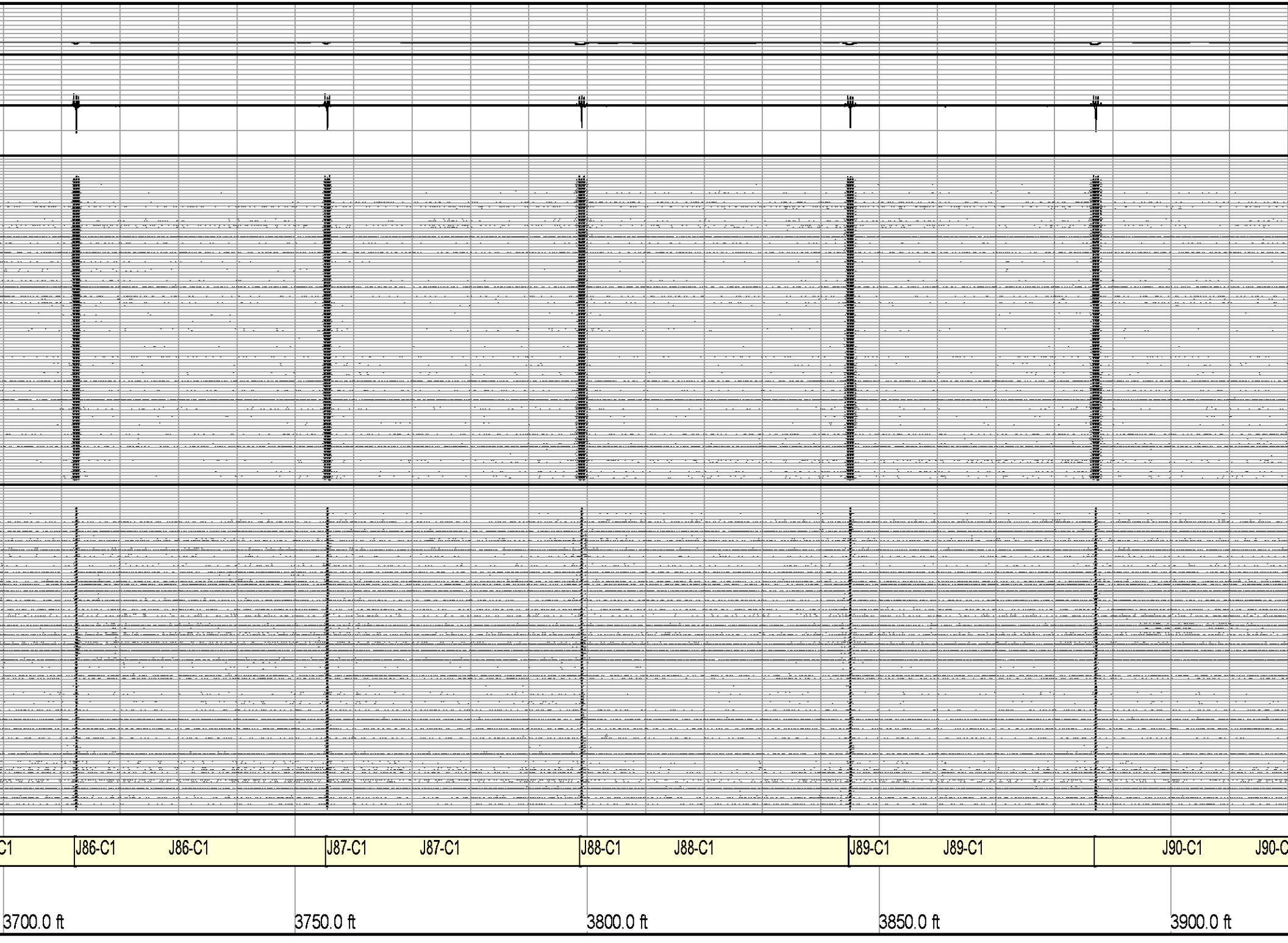

J60-C1
J61-C1
J61-C1
J62-C1
J62-C1
J63-C1
J63-C1
J64-C1
J64-C1
2600.0 ft
2650.0 ft
2700.0 ft
2750.0 ft
2800.0 ft

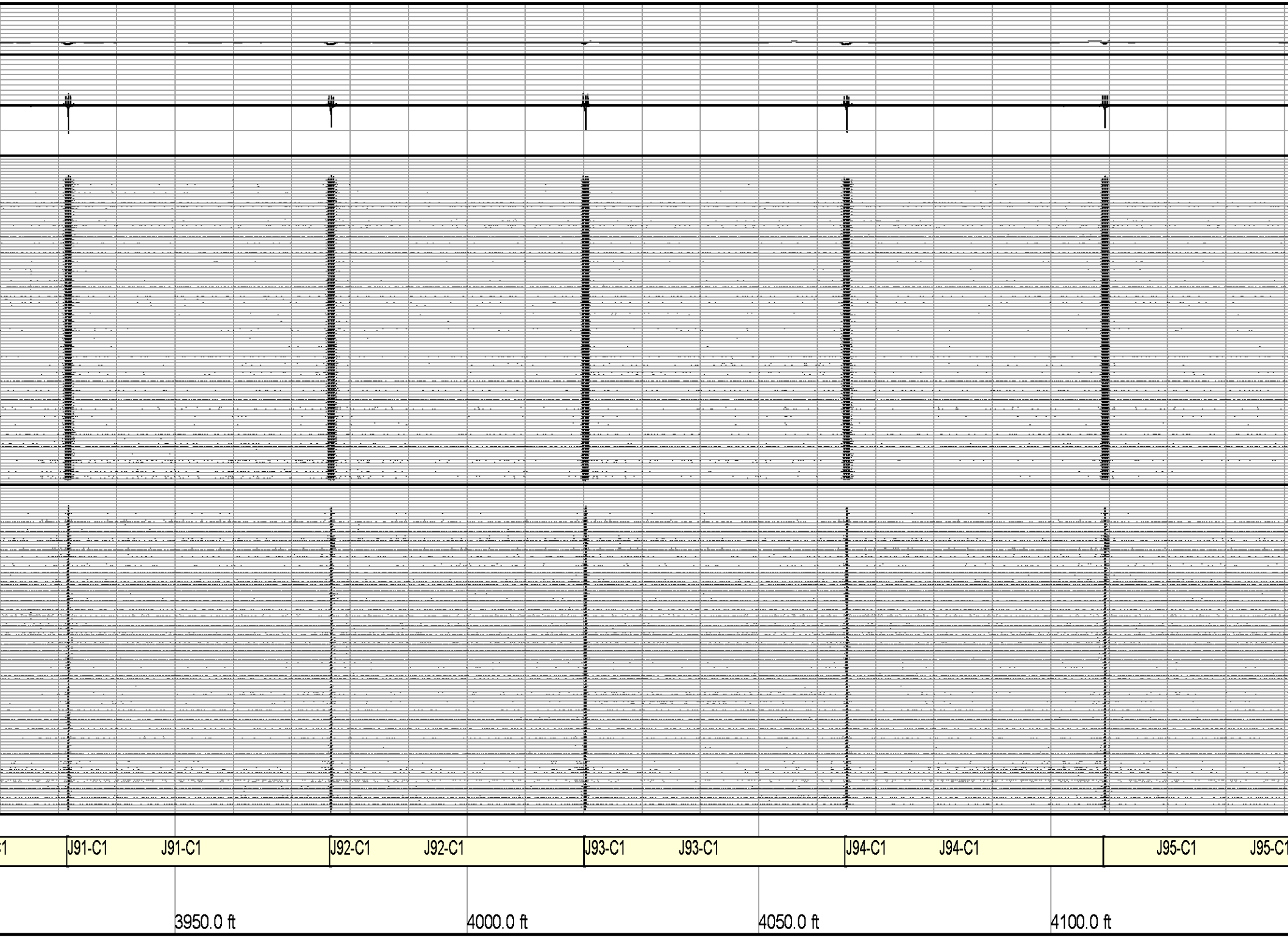

Short Joint
J65-C1
J66-C1
J66-C1
J67-C1
J67-C1
J68-C1
J68-C1
J70-C1
2850.0 ft
2900.0 ft
2950.0 ft
3000.0 ft

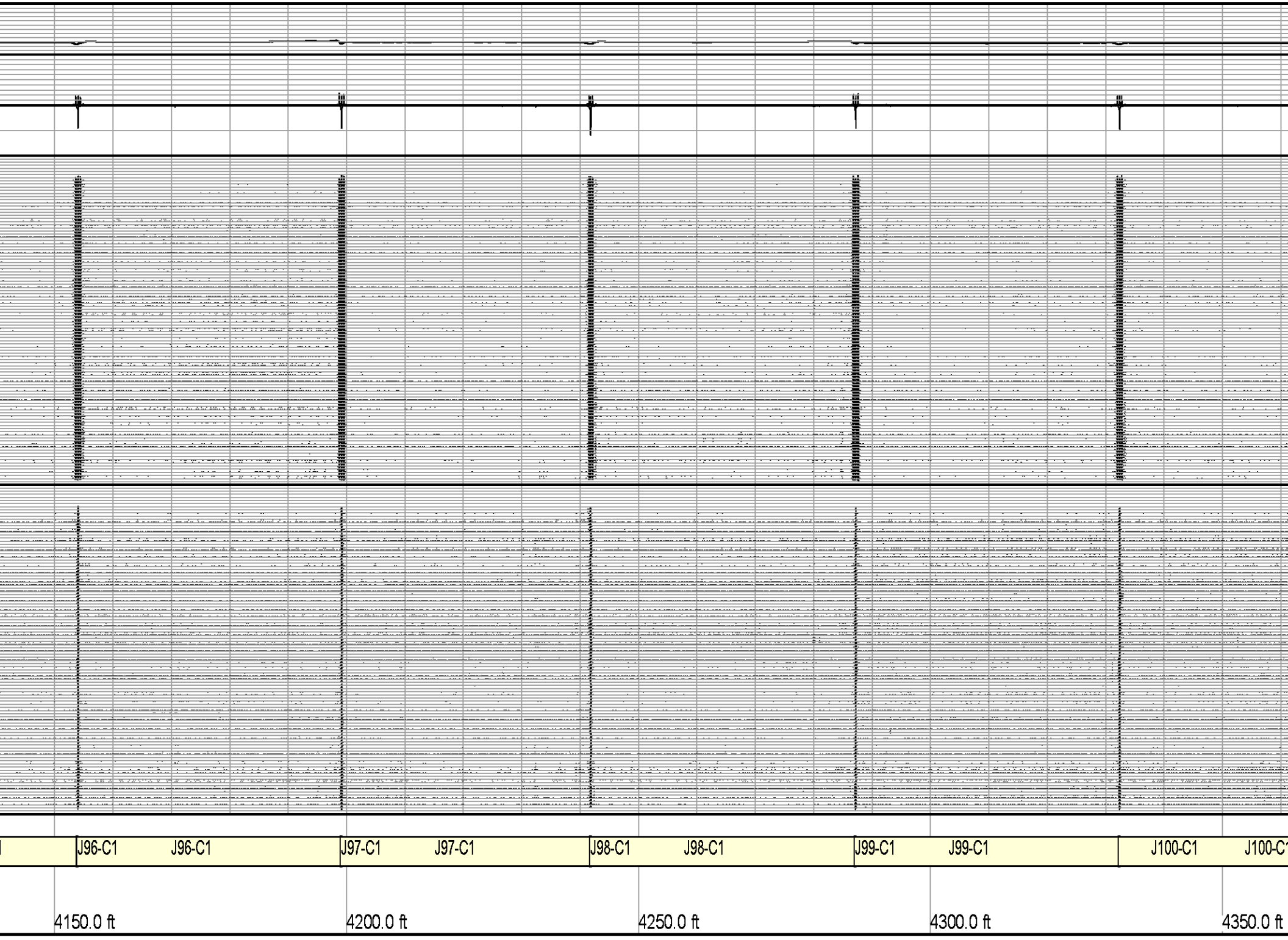

J71-C1
J71-C1
J72-C1
J72-C1
J73-C1
J73-C1
J74-C1
J74-C1
J75-C1
3050.0 ft
3100.0 ft
3150.0 ft
3200.0 ft
3250.0

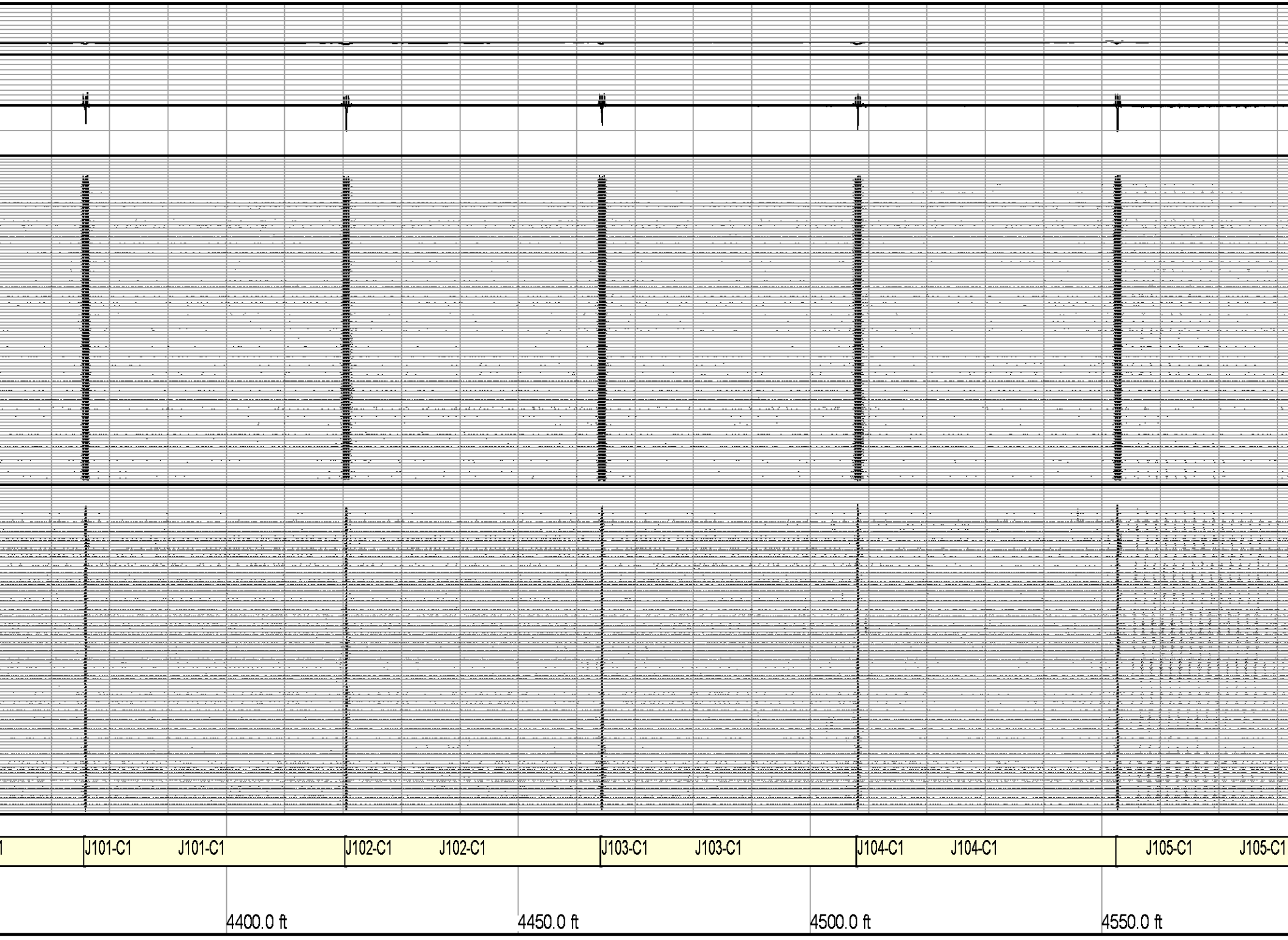

J76-C1
J76-C1
J77-C1
J77-C1
J78-C1
J78-C1
J79-C1
J79-C1
J80-C1
ft
3300.0 ft
3350.0 ft
3400.0 ft
3450.0 ft

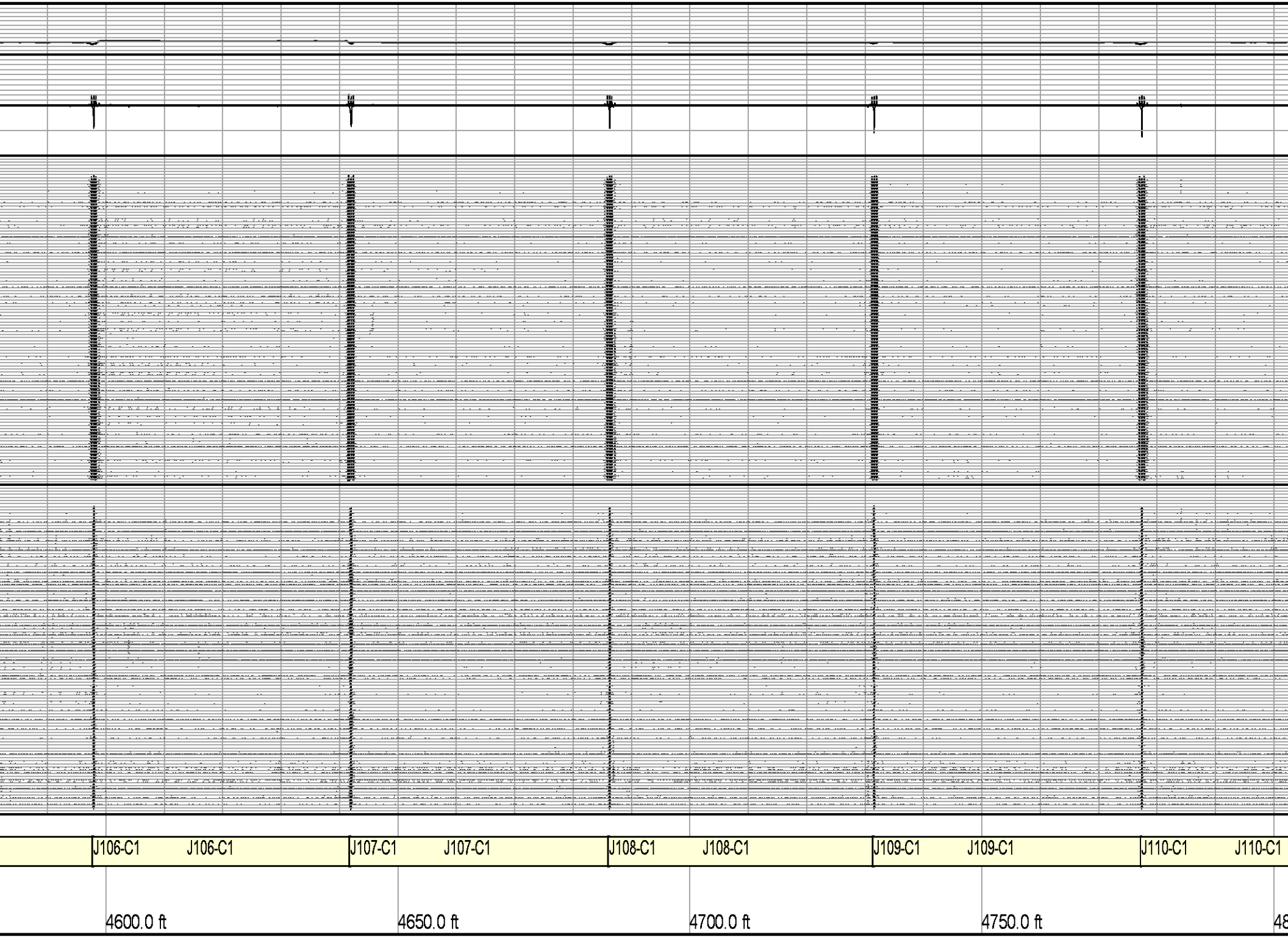

-C1
J81-C1
J81-C1
J82-C1
J82-C1
J83-C1
J83-C1
J84-C1
J84-C1
J85-C1
J85-
3500.0 ft
3550.0 ft
3600.0 ft
3650.0 ft

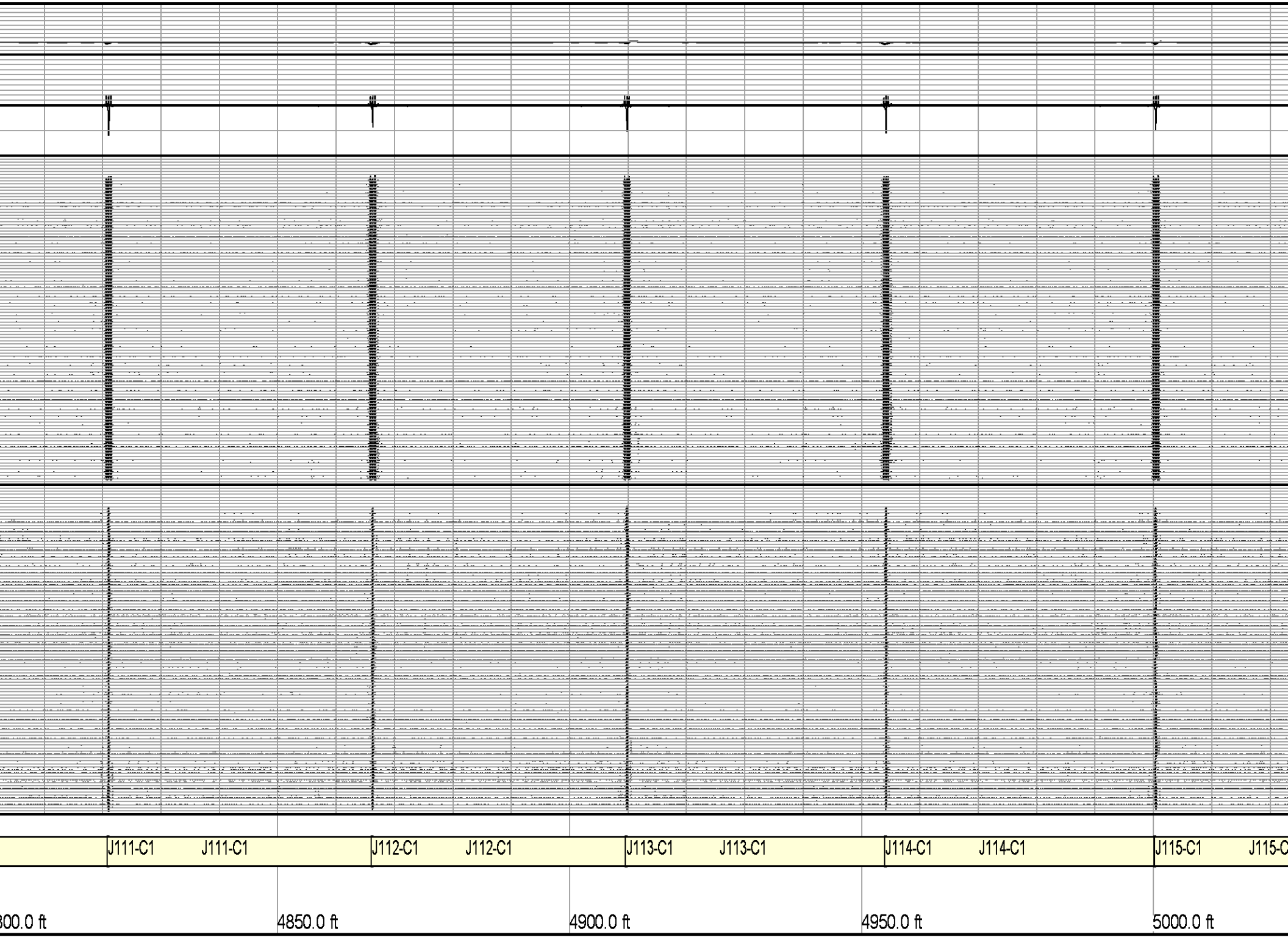

C1
J86-C1
J86-C1
J87-C1
J87-C1
J88-C1
J88-C1
J89-C1
J89-C1
J90-C1
J90-C
3700.0 ft
3750.0 ft
3800.0 ft
3850.0 ft
3900.0 ft

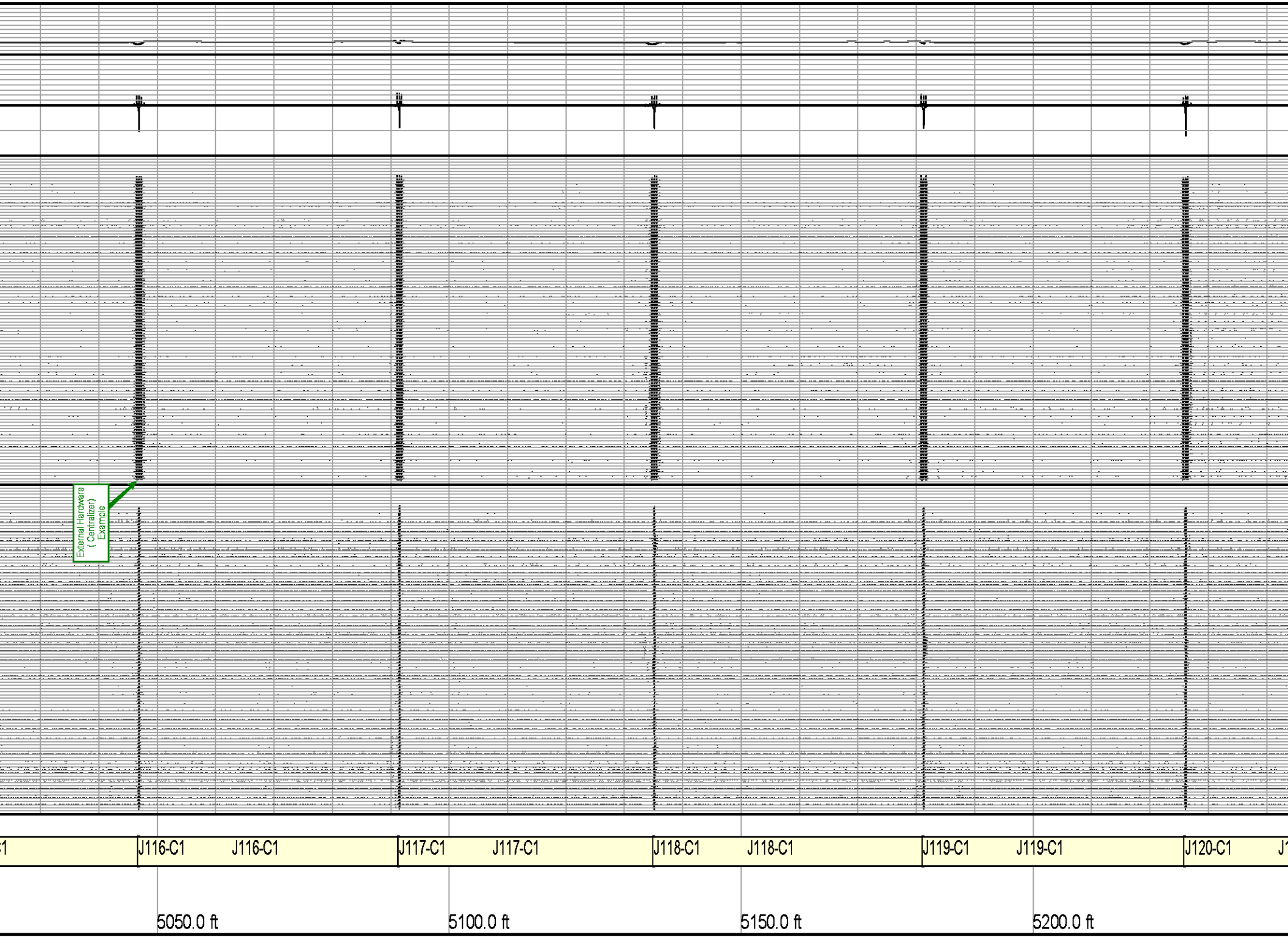

J91-C1
J91-C1
J92-C1
J92-C1
J93-C1
J93-C1
J94-C1
J94-C1
J95-C1
3950.0 ft
4000.0 ft
4050.0 ft
4100.0 ft

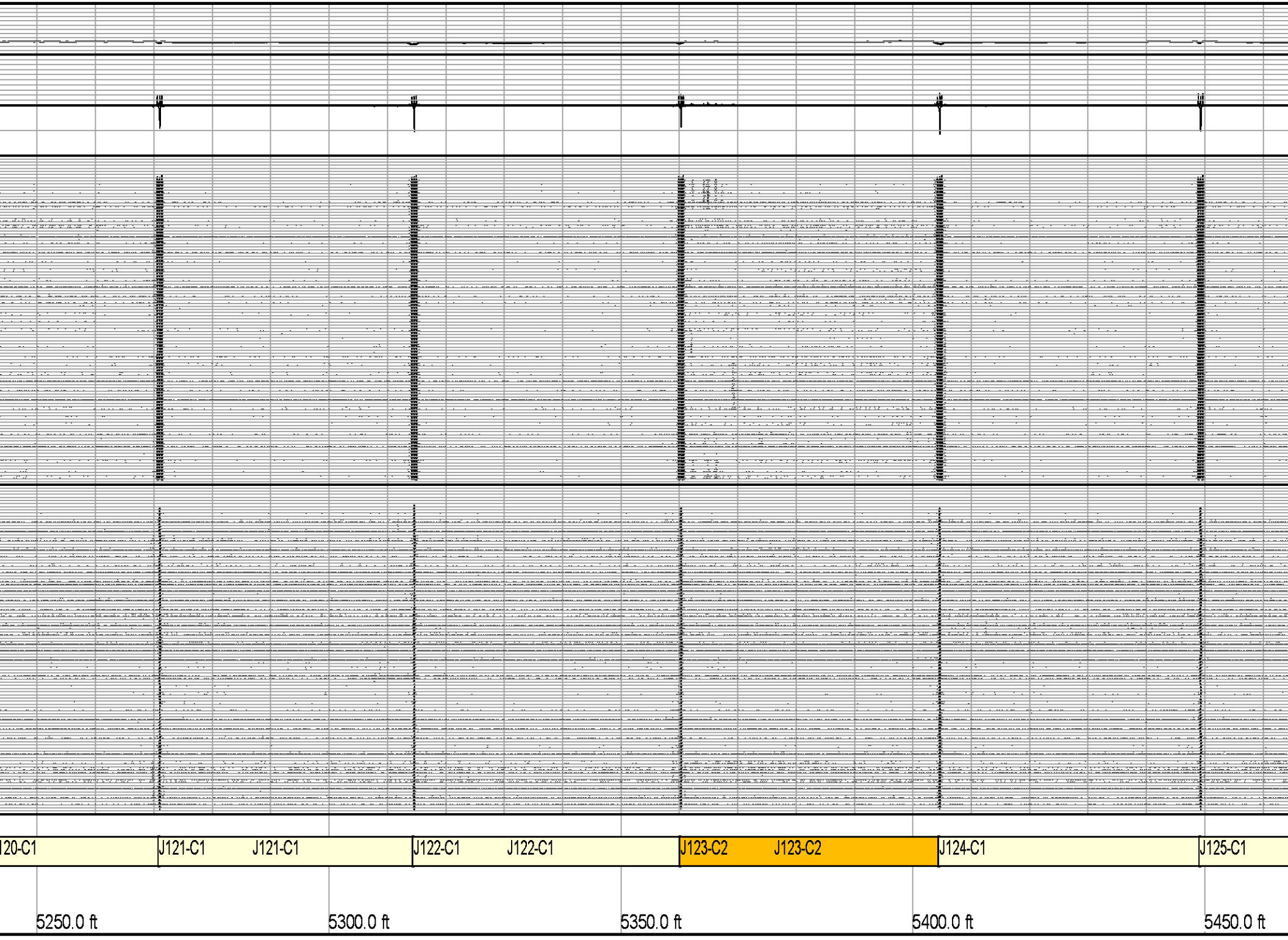

J96-C1
J96-C1
J97-C1
J97-C1
J98-C1
J98-C1
J99-C1
J99-C1
J100-C1
4150.0 ft
4200.0 ft
4250.0 ft
4300.0 ft
4350.0 ft

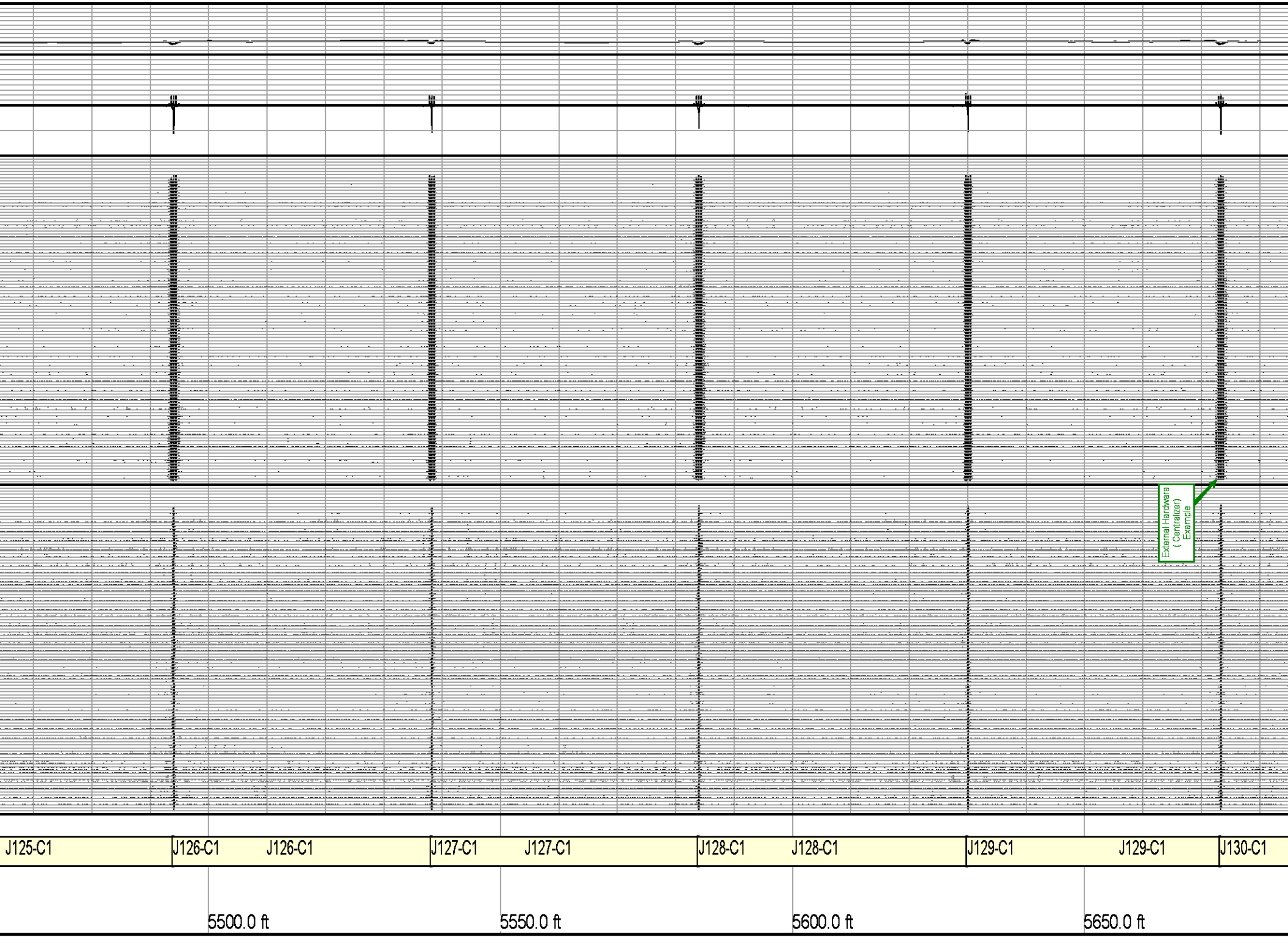

J101-C1
J101-C1
J102-C1
J102-C1
J103-C1
J103-C1
J104-C1
J104-C1
J105-C1
J105-C1
4400.0 ft
4450.0 ft
4500.0 ft
4550.0 ft

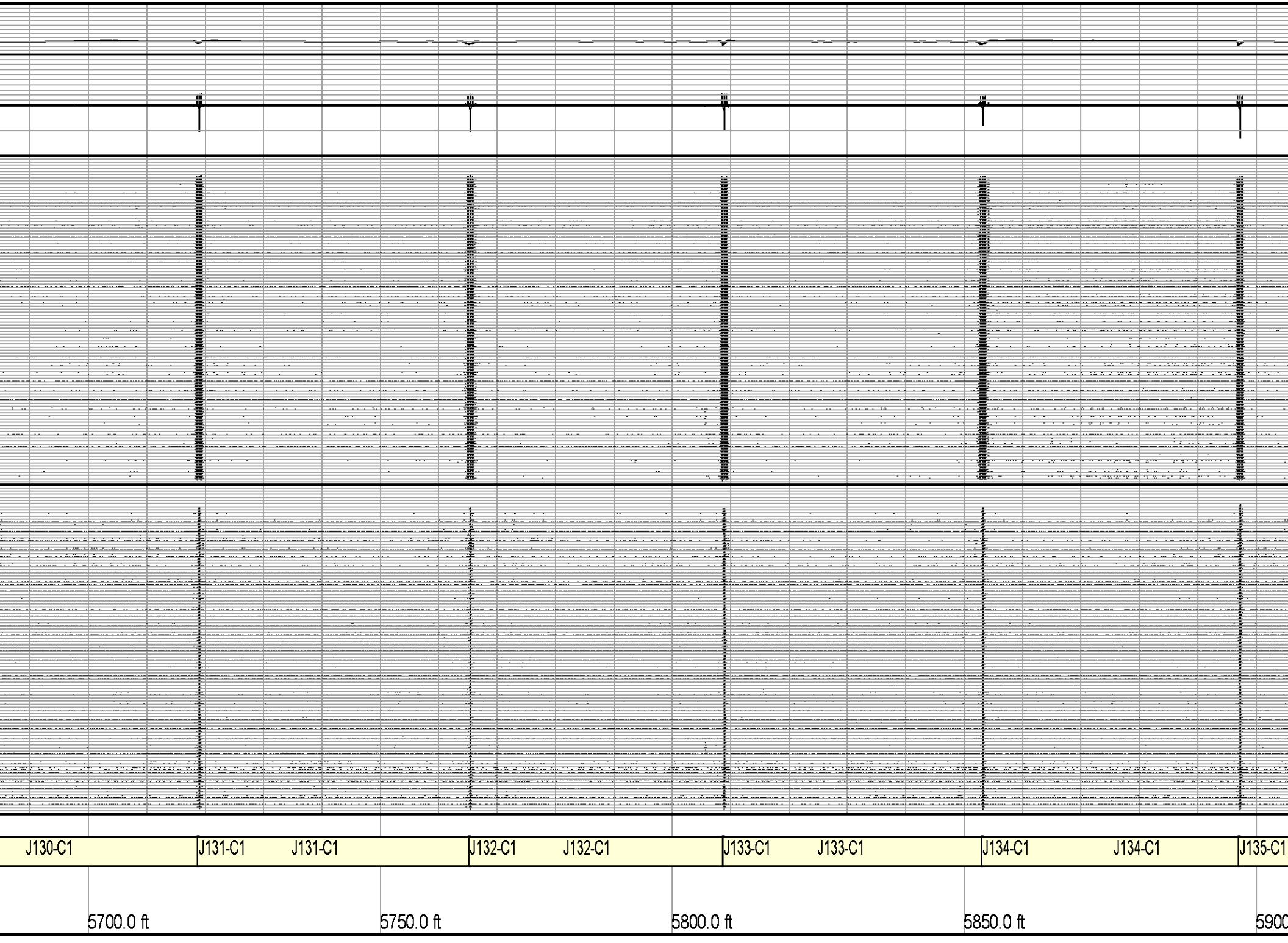

J106-C1
J106-C1
J107-C1
J107-C1
J108-C1
J108-C1
J109-C1
J109-C1
J110-C1
J110-C1
4600.0 ft
4650.0 ft
4700.0 ft
4750.0 ft

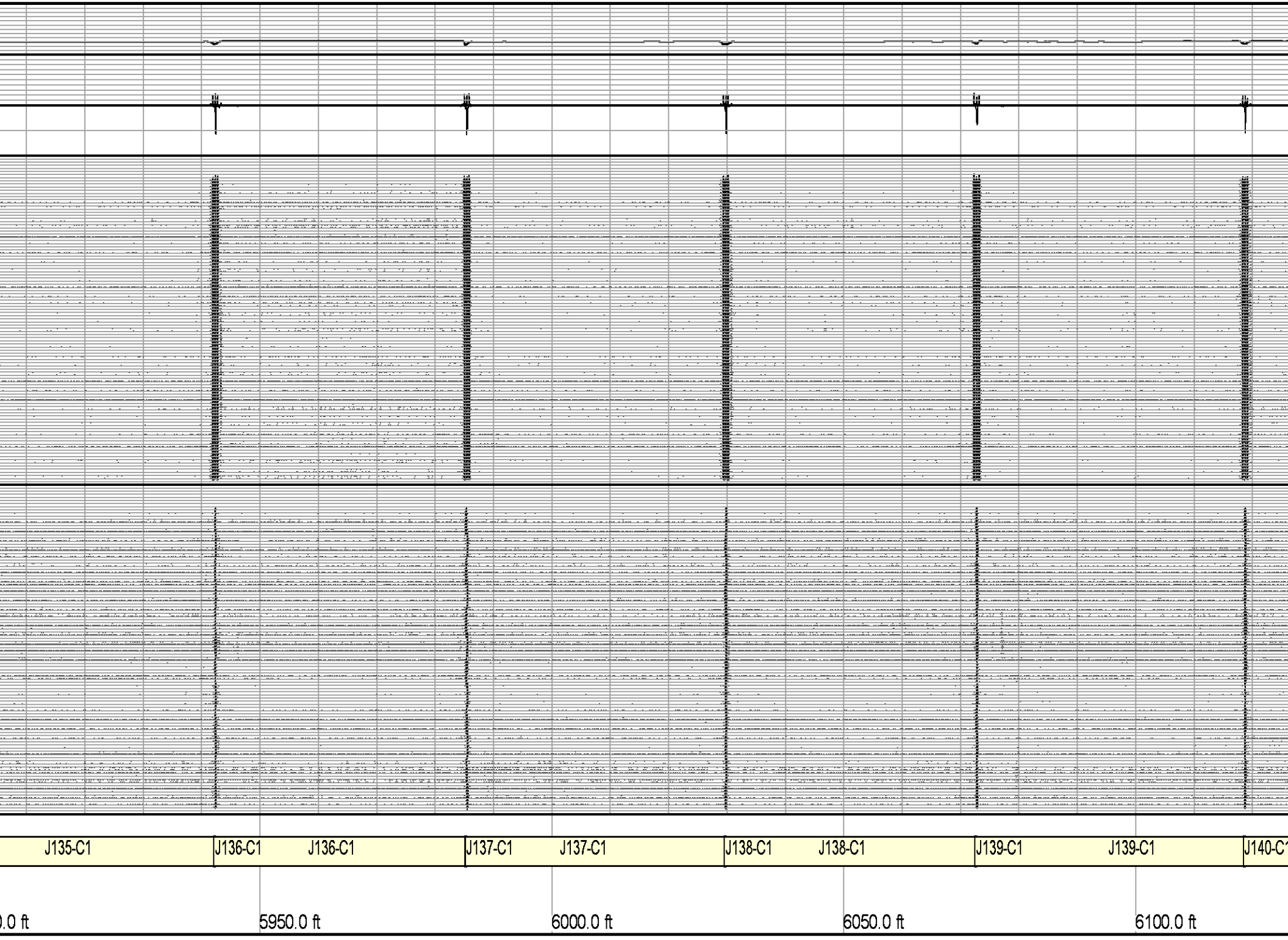

J111-C1
J111-C1
J112-C1
J112-C1
J113-C1
J113-C1
J114-C1
J114-C1
J115-C1
J115-C
300.0 ft
4850.0 ft
4900.0 ft
4950.0 ft
5000.0 ft

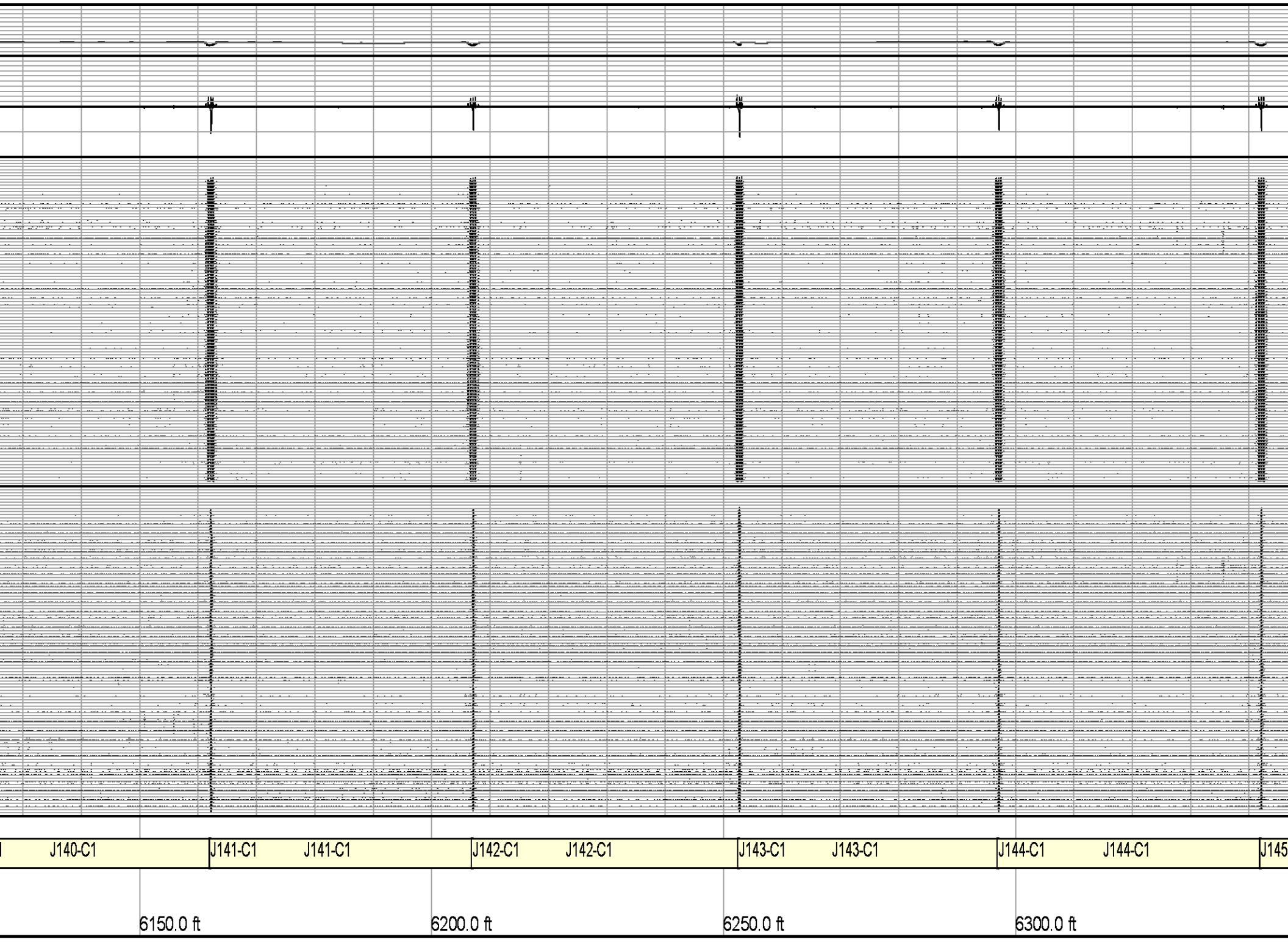

External Hardware
(Centralizer)
Example
J116-C1
J116-C1
J117-C1
J117-C1
J118-C1
J118-C1
J119-C1
J119-C1
J120-C1
5050.0 ft
5100.0 ft
5150.0 ft
5200.0 ft

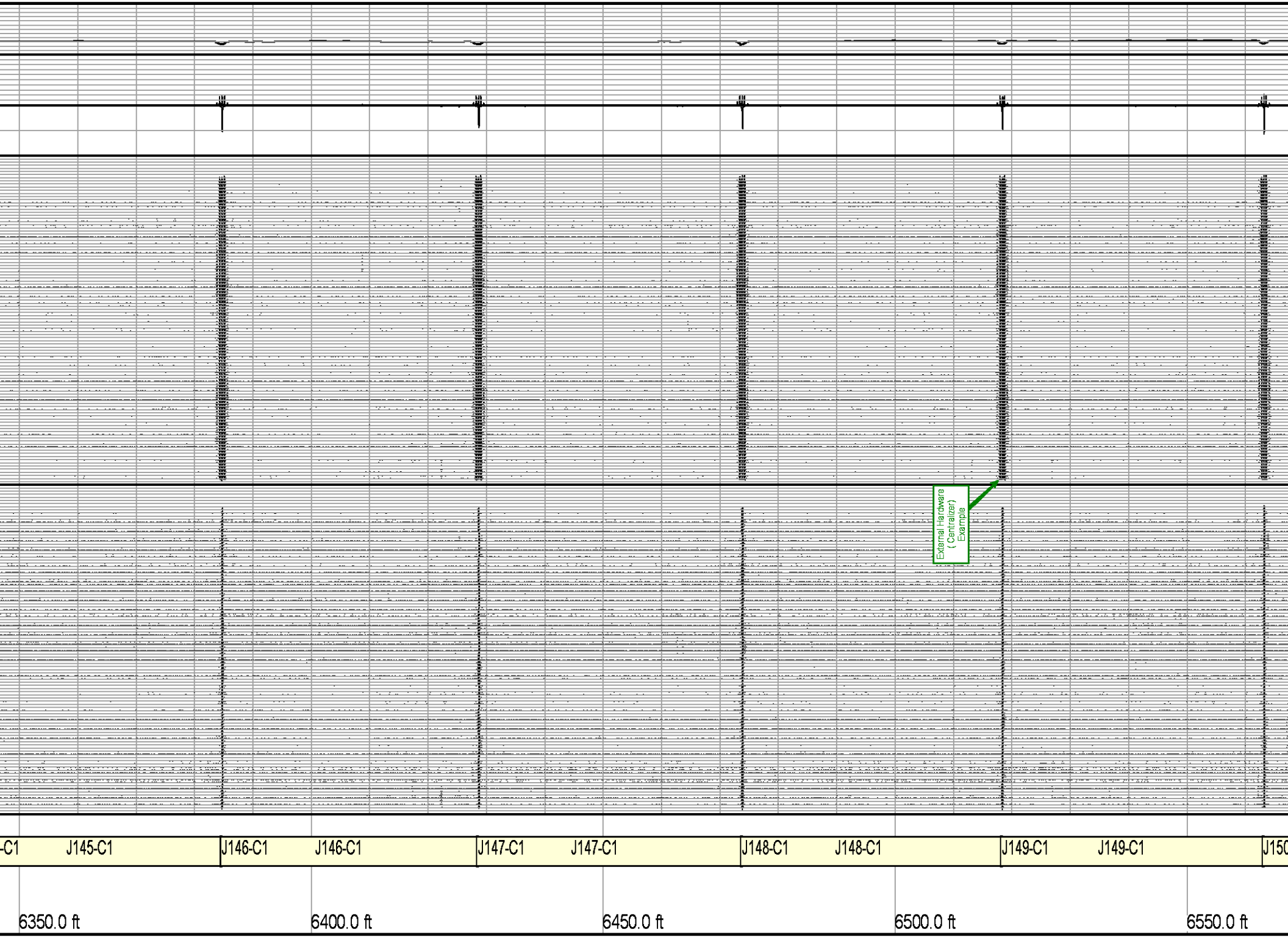

J20-C1
J121-C1
J121-C1
J122-C1
J122-C1
J123-C2
J123-C2
J124-C1
J125-C1
5250.0 ft
5300.0 ft
5350.0 ft
5400.0 ft
5450.0 ft

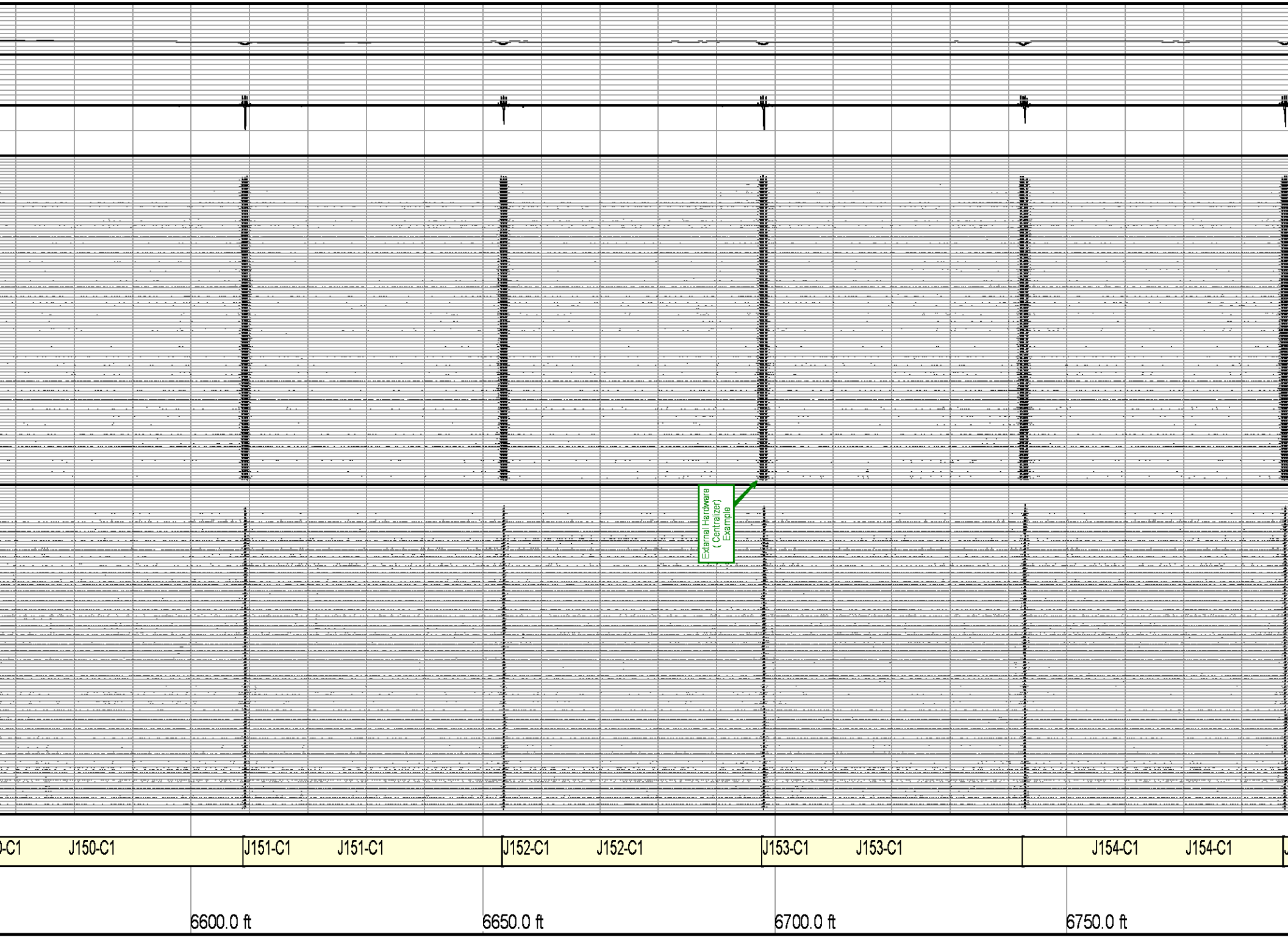

External Hardware
(Centralizer)
Example
J125-C1
J126-C1
J126-C1
J127-C1
J127-C1
J128-C1
J128-C1
J129-C1
J129-C1
J130-C1
5500.0 ft
5550.0 ft
5600.0 ft
5650.0 ft

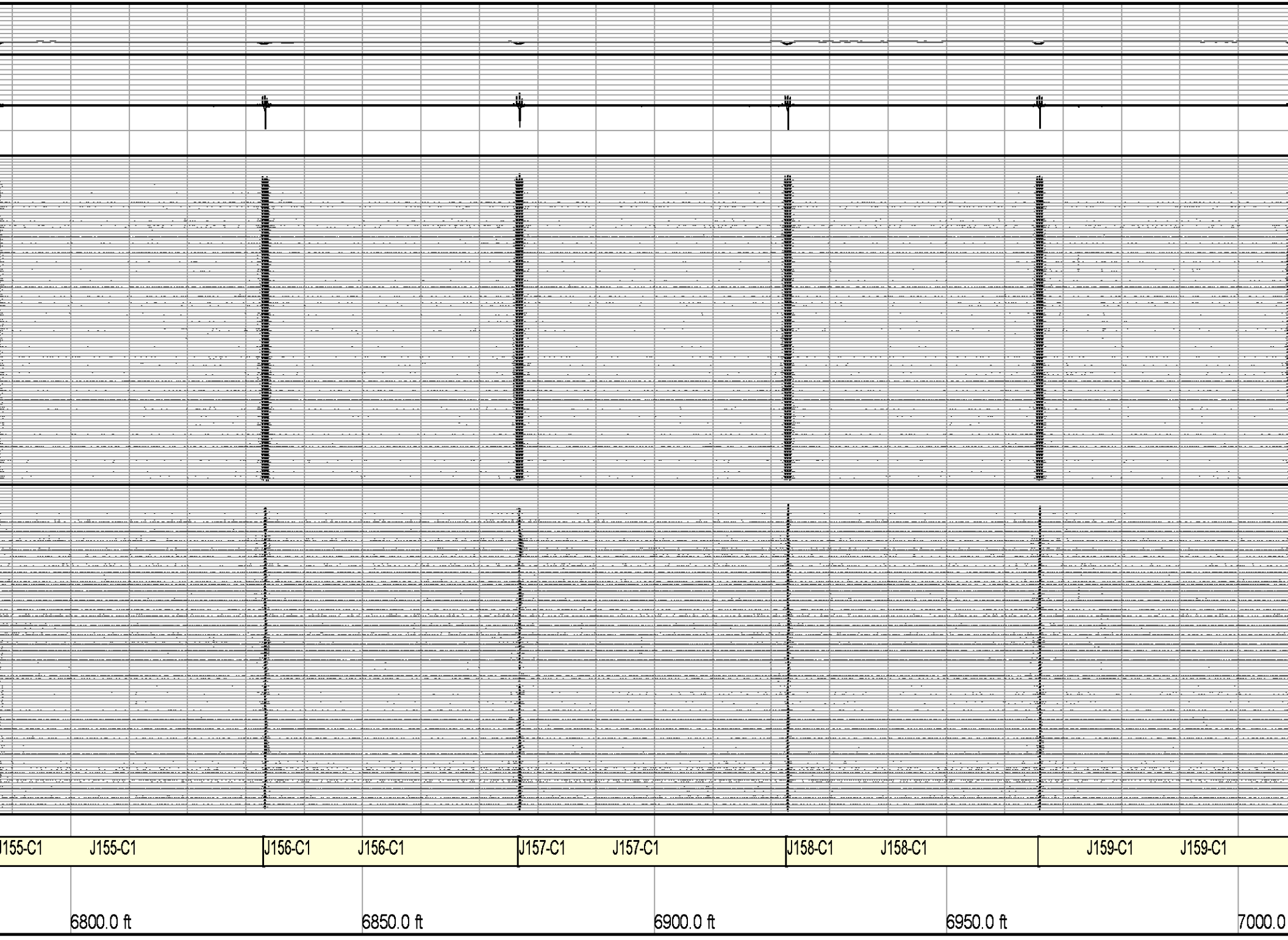

J130-C1
J131-C1
J131-C1
J132-C1
J132-C1
J133-C1
J133-C1
J134-C1
J134-C1
J135-C1
5700.0 ft
5750.0 ft
5800.0 ft
5850.0 ft
5900

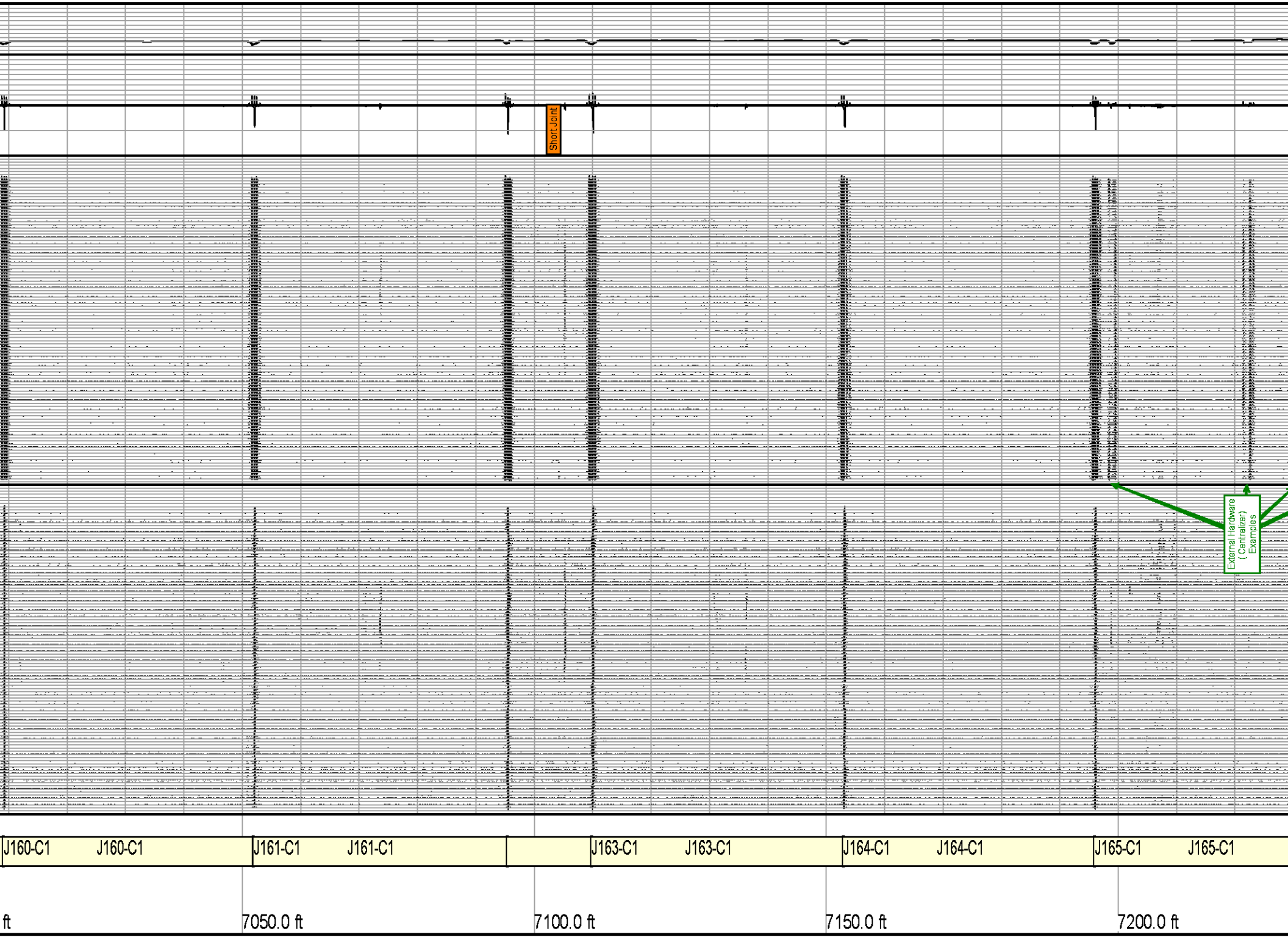

J135-C1
J136-C1
J136-C1
J137-C1
J137-C1
J138-C1
J138-C1
J139-C1
J139-C1
J140-C1
5950.0 ft
6000.0 ft
6050.0 ft
6100.0 ft

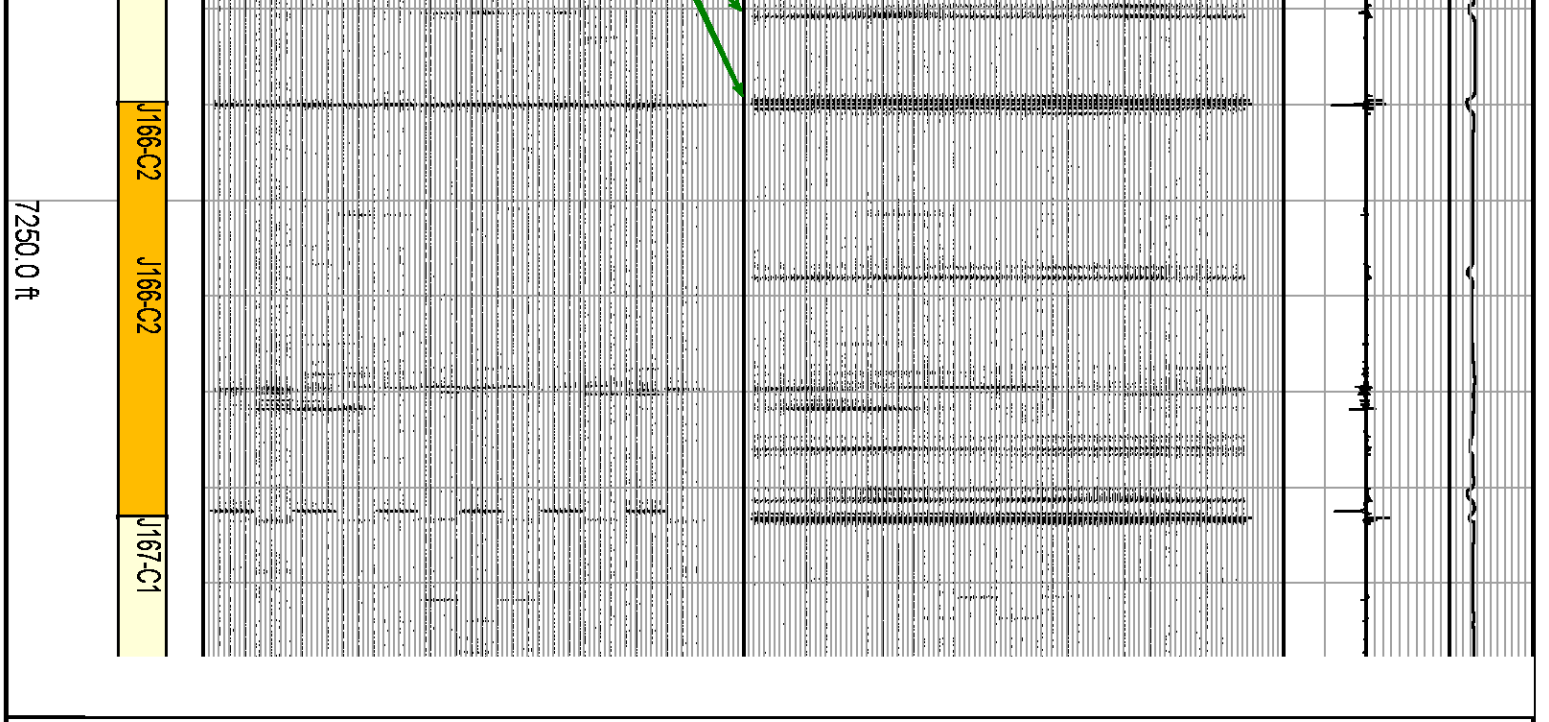

J140-C1
J141-C1
J141-C1
J142-C1
J142-C1
J143-C1
J143-C1
J144-C1
J144-C1
6150.0 ft
6200.0 ft
6250.0 ft
6300.0 ft


External Hardware
(Centralizer)
Example
-C1
J145-C1
J146-C1
J146-C1
J147-C1
J147-C1
J148-C1
J148-C1
J149-C1
J149-C1
J150
6350.0 ft
6400.0 ft
6450.0 ft
6500.0 ft
6550.0 ft


External Hardware
(Centralizer)
Example
J150-C1
J151-C1
J151-C1
J152-C1
J152-C1
J153-C1
J153-C1
J154-C1
J154-C1
6600.0 ft
6650.0 ft
6700.0 ft
6750.0 ft


J155-C1
J155-C1
J156-C1
J156-C1
J157-C1
J157-C1
J158-C1
J158-C1
J159-C1
J159-C1
6800.0 ft
6850.0 ft
6900.0 ft
6950.0 ft
7000.0


Short Joint
External Hardware
(Centralizer)
Examples
J160-C1
J160-C1
J161-C1
J161-C1
J163-C1
J163-C1
J164-C1
J164-C1
J165-C1
J165-C1
ft
7050.0 ft
7100.0 ft
7150.0 ft
7200.0 ft



Southern California Gas Company Porter 24A

File 20160921_141139_FLT_0_0_0_0_0_0.mvl

Joint Summary

Southern California Gas Company
Aliso Canyon
Porter 24A

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	17.34	19.82	9.625	0.472	47	0			1
JT-2	37.16	41.90	9.625	0.472	47	0			1
JT-3	79.06	41.11	9.625	0.472	47	0			1
JT-4	120.17	44.87	9.625	0.472	47	0			1
JT-5	165.04	42.28	9.625	0.472	47	0			1
JT-6	207.32	44.81	9.625	0.472	47	0			1
JT-7	252.13	44.74	9.625	0.472	47	0			1
JT-8	296.87	44.32	9.625	0.472	47	0			1
JT-9	341.19	41.45	9.625	0.472	47	0			1
JT-10	382.63	43.88	9.625	0.472	47	0			1
JT-11	426.51	45.27	9.625	0.472	47	0			1
JT-12	471.79	44.57	9.625	0.472	47	0			1
JT-13	516.36	45.09	9.625	0.472	47	0			1
JT-14	561.45	46.79	9.625	0.472	47	0			1
JT-15	608.24	45.50	9.625	0.472	47	0			1
JT-16	653.73	43.88	9.625	0.472	47	0			1
JT-17	697.61	42.14	9.625	0.472	47	0			1
JT-18	739.75	43.41	9.625	0.472	47	0			1
JT-19	783.16	41.55	9.625	0.472	47	0			1
JT-20	824.71	45.45	9.625	0.472	47	0			1
JT-21	870.17	44.07	9.625	0.472	47	0			1
JT-22	914.24	45.12	9.625	0.472	47	0			1
JT-23	959.36	45.98	9.625	0.472	47	0			1
JT-24	1005.35	44.17	9.625	0.472	47	0			1
JT-25	1049.51	40.57	9.625	0.472	47	0			1
JT-26	1090.08	41.21	9.625	0.472	47	0			1
JT-27	1131.29	44.25	9.625	0.472	47	0			1
JT-28	1175.54	42.42	9.625	0.472	47	0			1
JT-29	1217.96	44.50	9.625	0.472	47	0			1
JT-30	1262.46	45.90	9.625	0.472	47	0			1
JT-31	1308.36	44.48	9.625	0.472	47	0			1
JT-32	1352.84	44.64	9.625	0.472	47	0			1
JT-33	1397.48	43.88	9.625	0.472	47	0			1
JT-34	1441.36	43.98	9.625	0.472	47	0			1
JT-35	1485.33	44.33	9.625	0.472	47	0			1
JT-36	1529.66	44.57	9.625	0.472	47	0			1
JT-37	1574.23	44.42	9.625	0.472	47	0			1

JT-38	1618.65	44.60	9.625	0.472	47	0			1
JT-39	1663.25	45.28	9.625	0.472	47	0			1
JT-40	1708.53	43.74	9.625	0.472	47	0			1
JT-41	1752.28	46.50	9.625	0.472	47	0			1
JT-42	1798.78	43.16	9.625	0.472	47	0			1
JT-43	1841.93	46.11	9.625	0.472	47	0			1
JT-44	1888.05	43.76	9.625	0.472	47	0			1
JT-45	1931.81	45.10	9.625	0.472	47	0			1
JT-46	1976.91	43.99	9.625	0.472	47	0			1
JT-47	2020.90	43.90	9.625	0.472	47	0			1
JT-48	2064.80	45.48	9.625	0.472	47	0			1
JT-49	2110.27	43.94	9.625	0.472	47	0			1
JT-50	2154.22	42.77	9.625	0.472	47	0			1
JT-51	2196.99	45.42	9.625	0.472	47	0			1
JT-52	2242.41	44.79	9.625	0.472	47	0			1
JT-53	2287.21	43.40	9.625	0.472	47	0			1
JT-54	2330.61	44.76	9.625	0.472	47	0			1
JT-55	2375.36	41.35	9.625	0.472	47	0			1
JT-56	2416.71	42.63	9.625	0.472	47	0			1
JT-57	2459.34	43.38	9.625	0.472	47	0			1
JT-58	2502.71	43.18	9.625	0.472	47	0			1
JT-59	2545.89	45.04	9.625	0.472	47	0			1
JT-60	2590.94	43.44	9.625	0.472	47	0			1
JT-61	2634.37	43.78	9.625	0.472	47	0			1
JT-62	2678.15	44.23	9.625	0.472	47	0			1
JT-63	2722.38	44.55	9.625	0.472	47	0			1
JT-64	2766.93	43.44	9.625	0.472	47	0			1
JT-65	2810.37	44.31	9.625	0.472	47	0			1
JT-66	2854.68	44.39	9.625	0.472	47	0			1
JT-67	2899.07	44.81	9.625	0.472	47	0			1
JT-68	2943.87	46.26	9.625	0.472	47	0			1
JT-69	2990.13	14.89	9.625	0.472	47	0			1
JT-70	3005.02	46.23	9.625	0.472	47	0			1
JT-71	3051.25	43.48	9.625	0.472	47	0			1
JT-72	3094.73	43.95	9.625	0.472	47	0			1
JT-73	3138.68	43.81	9.625	0.472	47	0			1
JT-74	3182.50	43.48	9.625	0.472	47	0			1
JT-75	3225.98	44.68	9.625	0.472	47	0			1
JT-76	3270.66	44.54	9.625	0.472	47	0			1
JT-77	3315.20	44.38	9.625	0.472	47	0			1
JT-78	3359.58	43.04	9.625	0.472	47	0			1
JT-79	3402.62	44.10	9.625	0.472	47	19	3419.85	8573	1
JT-80	3446.72	44.74	9.625	0.472	47	0			1
JT-81	3491.46	45.42	9.625	0.472	47	0			1
JT-82	3536.87	45.71	9.625	0.472	47	0			1
JT-83	3582.58	42.29	9.625	0.472	47	0			1
JT-84	3624.87	43.70	9.625	0.472	47	0			1
JT-85	3668.57	43.83	9.625	0.472	47	0			1
JT-86	3712.41	42.99	9.625	0.472	47	0			1
JT-87	3755.40	43.56	9.625	0.472	47	0			1
JT-88	3798.95	46.03	9.625	0.472	47	0			1
JT-89	3844.99	42.05	9.625	0.472	47	0			1
JT-90	3887.03	44.60	9.625	0.472	47	0			1
JT-91	3931.63	45.07	9.625	0.472	47	0			1
JT-92	3976.69	43.57	9.625	0.472	47	0			1
JT-93	4020.27	44.68	9.625	0.472	47	0			1
JT-94	4064.94	44.29	9.625	0.472	47	0			1
JT-95	4109.24	44.69	9.625	0.472	47	0			1
JT-96	4153.93	45.15	9.625	0.472	47	0			1
JT-97	4199.08	42.72	9.625	0.472	47	0			1
JT-98	4241.80	45.33	9.625	0.472	47	0			1
JT-99	4287.13	45.28	9.625	0.472	47	0			1
JT-100	4332.41	43.40	9.625	0.472	47	0			1
JT-101	4375.81	44.69	9.625	0.472	47	0			1
JT-102	4420.50	43.77	9.625	0.472	47	0			1
JT-103	4464.27	43.84	9.625	0.472	47	0			1
JT-104	4508.12	44.49	9.625	0.472	47	0			1
JT-105	4552.60	45.25	9.625	0.472	47	0			1
JT-106	4597.85	44.00	9.625	0.472	47	0			1
JT-107	4641.85	44.33	9.625	0.472	47	0			1
JT-108	4686.18	45.37	9.625	0.472	47	0			1
JT-109	4731.55	45.78	9.625	0.472	47	0			1
JT-110	4777.34	43.66	9.625	0.472	47	0			1
JT-111	4820.99	45.23	9.625	0.472	47	0			1
JT-112	4866.22	43.56	9.625	0.472	47	0			1
JT-113	4909.78	44.39	9.625	0.472	47	0			1
JT-114	4954.17	46.19	9.625	0.472	47	0			1
JT-115	5000.35	46.45	9.625	0.472	47	0			1
JT-116	5046.80	44.61	9.625	0.472	47	0			1
JT-117	5091.41	43.63	9.625	0.472	47	0			1
JT-118	5135.04	46.15	9.625	0.472	47	0			1

JT-119	5181.19	44.86	9.625	0.472	47	0			1
JT-120	5226.05	44.88	9.625	0.472	47	0			1
JT-121	5270.94	43.60	9.625	0.472	47	0			1
JT-122	5314.54	45.67	9.625	0.472	47	0			1
JT-123	5360.21	44.38	9.625	0.472	47	23	5366.11	8318	2
JT-124	5404.58	44.65	9.625	0.472	47	0			1
JT-125	5449.23	44.69	9.625	0.472	47	0			1
JT-126	5493.92	44.25	9.625	0.472	47	0			1
JT-127	5538.18	45.73	9.625	0.472	47	0			1
JT-128	5583.91	46.09	9.625	0.472	47	0			1
JT-129	5629.99	43.32	9.625	0.472	47	0			1
JT-130	5673.32	45.58	9.625	0.472	47	0			1
JT-131	5718.90	46.45	9.625	0.472	47	0			1
JT-132	5765.35	43.52	9.625	0.472	47	0			1
JT-133	5808.87	44.31	9.625	0.472	47	0			1
JT-134	5853.18	44.00	9.625	0.472	47	0			1
JT-135	5897.18	45.13	9.625	0.472	47	0			1
JT-136	5942.31	43.06	9.625	0.472	47	0			1
JT-137	5985.36	44.39	9.625	0.472	47	0			1
JT-138	6029.75	42.93	9.625	0.472	47	0			1
JT-139	6072.69	45.97	9.625	0.472	47	0			1
JT-140	6118.65	43.49	9.625	0.472	47	0			1
JT-141	6162.14	44.87	9.625	0.472	47	0			1
JT-142	6207.01	45.64	9.625	0.472	47	0			1
JT-143	6252.65	44.44	9.625	0.472	47	0			1
JT-144	6297.09	44.94	9.625	0.472	47	0			1
JT-145	6342.03	42.62	9.625	0.472	47	0			1
JT-146	6384.66	43.89	9.625	0.472	47	0			1
JT-147	6428.54	45.22	9.625	0.472	47	0			1
JT-148	6473.76	44.52	9.625	0.472	47	0			1
JT-149	6518.28	44.81	9.625	0.472	47	0			1
JT-150	6563.08	46.07	9.625	0.472	47	0			1
JT-151	6609.15	44.33	9.625	0.472	47	0			1
JT-152	6653.49	44.47	9.625	0.472	47	0			1
JT-153	6697.96	44.65	9.625	0.472	47	0			1
JT-154	6742.61	44.66	9.625	0.472	47	0			1
JT-155	6787.26	45.93	9.625	0.472	47	0			1
JT-156	6833.19	43.58	9.625	0.472	47	0			1
JT-157	6876.77	45.96	9.625	0.472	47	0			1
JT-158	6922.73	43.11	9.625	0.472	47	0			1
JT-159	6965.85	43.29	9.625	0.472	47	0			1
JT-160	7009.14	42.85	9.625	0.472	47	0			1
JT-161	7051.98	43.44	9.625	0.472	47	0			1
JT-162	7095.43	14.48	9.625	0.472	47	0			1
JT-163	7109.90	43.08	9.625	0.472	47	0			1
JT-164	7152.98	43.05	9.625	0.472	47	0			1
JT-165	7196.03	43.91	9.625	0.472	47	0			1
JT-166	7239.95	43.26	9.625	0.472	47	23	7271.68	8622	2
JT-167	7283.21	14.76	9.625	0.472	47	0			1

Inspection Date: 09-21-2016
Report Date: 09-23-2016