

Schlumberger

Company: **SANDIA TECHNOLOGIES, LLC**

Well: NYSTA TANDEM LOT 1

Field: **MILDCAT**

County: **ROCKLAND** State: **NEW YORK**

MODULAR FORMATION DYNAMICS TESTER

PRESSURES / SAMPLING

GAMMA RAY

LOCATION	
LAT: 41.1036 LONG: -74.027	Elev.: K.B. 402.00 ft G.L. 386.00 ft D.F. 402.00 ft
Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____	GROUND LEVEL _____ KELLY BUSHING _____ KELLY BUSHING _____
API Serial No. _____ 31-087-27016-00-00	Section: _____ Township: CLARKSTOWN

Elev.: 16.00 ft above Perm. Datum

[illegible]

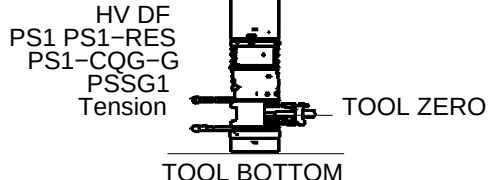
Logging Date	15-Oct-2011			
Run Number	2H			
Depth Driller	6885 ft			
Schlumberger Depth	6870 ft			
Bottom Log Interval	6870 ft			
Top Log Interval	1492 ft			
Casing Driller Size @ Depth	9.625 in @ 1496 ft			@
Casing Schlumberger	1492 ft			
Bit Size	8.500 in			
Type Fluid In Hole	FRESH WATER GEL			
Density	Viscosity	9.4 lbm/gal 9.4 s		
Fluid Loss	PH	0 cm3 10		
Source Of Sample	MUD PIT			
RM @ Measured Temperature	1.107 ohm.m @ 64 degF			@
RMF @ Measured Temperature	0.886 ohm.m @ 64 degF			@
RMC @ Measured Temperature	1.328 ohm.m @ 64 degF			@
Source RMF	RMC	CALCULATED	CALCULATED	
RM @ MRT	RMF @ MRT	0.685 @ 108 0.548 @ 108	@	@
Maximum Recorded Temperatures	108 degF			
Circulation Stopped	Time	15-Oct-2011	1:00	
Logger On Bottom	Time	19-Oct-2011	14:25	
Unit Number	Location	7052 BRADFORD, PA		
Recorded By	TIM STOEVEY / CHRIS KLEIN			
Witnessed By	B.ARMSTRONG / D. COLLINS			

Logging Date					
Run Number					
Depth Driller					
Schlumberger Depth					
Bottom Log Interval					
Top Log Interval					
Casing Driller Size @ Depth			@		
Casing Schlumberger					
Bit Size					
Type Fluid In Hole					
Density	Viscosity				
Fluid Loss	PH				
Source Of Sample					
RM @ Measured Temperature			@		
RMF @ Measured Temperature			@		
RMF @ Measured Temperature			@		
Source RMF	RMF				
RM @ MRT	RMF @ MRT	@		@	
Maximum Recorded Temperatures					
Circulation Stopped	Time				
Logger On Bottom	Time				
Unit Number	Location				
Recorded By					
Witnessed By					

[illegible]

MRHY_1
MRHY_1-BA 475

MRPS_1
MRPS_1-DZ 288
CQG_G MRPS1
SG_MRPS1



MAXIMUM STRING DIAMETER 4.75 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET



Inclinometry Listing

MAXIS Field Log

WFTI INCLINOMETRY LIST			
Meas. Tie Depth : 1500.0 FT True Vert. Tie Depth: 1500.0 FT			
Measured Depth	Deviation	Azimuth	True Vertical Depth
(FT)	(DEG)	(DEG)	(FT)
1500.0	0.69	211.73	1500.0
1550.0	1.96	236.03	1550.0
1600.0	0.41	29.72	1600.0
1650.0	1.63	294.22	1650.0
1700.0	1.63	287.68	1699.9
1750.0	1.50	283.17	1749.9
1800.0	1.39	271.39	1799.9
1850.0	1.15	269.72	1849.9
1900.0	1.03	260.61	1899.9
1950.0	0.92	262.25	1949.9
2000.0	0.78	259.26	1999.9
2050.0	0.53	291.94	2049.9

2100.0	1.67	147.89	2099.9
2150.0	2.22	100.53	2149.8
2200.0	0.07	58.05	2199.8
2250.0	2.26	109.89	2249.8
2300.0	1.85	171.53	2299.8
2350.0	1.07	103.71	2349.8
2400.0	2.36	131.29	2399.7
2450.0	3.24	136.61	2449.7
2500.0	3.04	148.26	2499.6
2550.0	3.94	168.10	2549.5
2600.0	5.72	151.39	2599.3
2650.0	6.41	147.38	2649.0
2700.0	7.42	145.72	2698.7
2750.0	8.77	144.39	2748.2
2800.0	9.67	144.08	2797.5
2850.0	10.64	144.24	2846.8
2900.0	11.01	136.95	2895.9
2950.0	10.65	136.91	2945.0
3000.0	12.41	146.64	2994.0
3050.0	13.01	140.61	3042.7
3100.0	13.64	140.35	3091.4
3150.0	14.50	140.34	3139.9
3200.0	15.44	140.97	3188.2
3250.0	16.46	142.03	3236.3
3300.0	15.76	146.14	3284.3
3350.0	17.71	151.33	3332.2
3400.0	18.83	151.76	3379.7
3450.0	19.75	152.01	3426.9
3500.0	20.88	152.10	3473.7
3550.0	22.09	152.44	3520.3
3600.0	23.37	152.88	3566.4
3650.0	24.41	153.13	3612.1
3700.0	24.25	153.63	3657.7
3750.0	21.30	151.90	3703.8
3800.0	19.73	151.49	3750.6
3850.0	19.80	149.01	3797.6
3900.0	17.52	147.63	3845.0
3950.0	15.25	145.99	3893.0
4000.0	13.98	140.17	3941.3
4050.0	12.23	134.37	3990.0
4100.0	10.50	131.30	4039.1
4150.0	8.56	127.81	4088.4
4200.0	7.19	125.68	4137.9
4250.0	6.31	121.22	4187.6
4300.0	5.10	111.01	4237.3
4350.0	3.38	104.71	4287.2
4400.0	1.27	78.32	4337.1
4450.0	1.26	344.71	4387.1
4500.0	1.46	235.81	4437.1
4550.0	1.17	38.10	4487.1
4600.0	1.51	144.31	4537.1
4650.0	0.75	258.71	4587.1
4700.0	1.17	37.62	4637.0
4750.0	1.79	144.17	4687.0
4800.0	1.63	69.01	4737.0
4850.0	2.17	102.55	4787.0
4900.0	2.47	135.64	4836.9
4950.0	2.33	159.21	4886.9
5000.0	1.55	91.30	4936.9
5050.0	3.07	131.34	4986.8
5100.0	3.62	110.89	5036.7

5150.0	3.26	80.01	5086.7
5200.0	1.26	100.22	5136.6
5250.0	3.52	105.80	5186.6
5300.0	2.94	145.65	5236.5
5350.0	4.16	140.10	5286.4
5400.0	4.42	145.59	5336.2
5450.0	4.38	155.67	5386.1
5500.0	4.05	156.79	5436.0
5550.0	4.05	160.40	5485.8
5600.0	3.79	159.95	5535.7
5650.0	4.12	164.51	5585.6
5700.0	4.63	158.37	5635.5
5750.0	3.97	152.96	5685.3
5800.0	2.95	145.68	5735.2
5850.0	1.79	141.01	5785.2
5900.0	1.48	102.53	5835.2
5950.0	0.96	68.49	5885.1
6000.0	1.21	65.85	5935.1
6050.0	2.63	40.26	5985.1
6100.0	2.76	50.41	6035.1
6150.0	3.17	52.83	6085.0
6200.0	3.64	56.54	6134.9
6250.0	4.22	57.07	6184.8
6300.0	4.19	60.33	6234.6
6350.0	3.80	61.93	6284.5
6400.0	3.88	54.35	6334.4
6450.0	3.97	49.09	6384.3
6500.0	3.88	23.70	6434.2
6550.0	2.10	23.84	6484.1
6600.0	3.94	38.39	6534.0
6650.0	4.32	17.58	6583.9
6700.0	2.54	1.61	6633.8
6750.0	2.09	19.91	6683.8
6800.0	4.22	34.07	6733.7
6850.0	3.99	8.07	6783.6
6900.0	3.73	2.70	6833.5



General Pretest Summary

MAXIS Field Log

Client: SANDIA TECHNOLOGIES, LLC
Field: WILDCAT
Well: NYSTA TANDEM LOT 1
Run date: 15-Oct-2011

Tool: MRPS_1-
Probe Type: Conventional probe
Gauge: BQP1
Gauge Resolution: 0.010 psi

Test	File	Depth	TVD	Drawdown Mobility	Mud Pressure Before After	Last read build-up Pres	Formation Pressure	Test Type
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		FT	FT	MD/CP	PSIA	PSIA	PSIA	PSIA	
34	160	2391.94	2391.68	72.82	1145.09	1145.17	1122.20	1122.20	Volumetric Limited draw-down
35	161	2392.41	2392.15	19.25	1145.18	1145.27	1149.83	1149.83	Volumetric Limited draw-down
36	162	2320.05	2319.82	0.76	1110.27	1109.86	899.96	899.96	Volumetric Limited draw-down
38	163	2321.97	2321.73	110.93	1110.90	1134.65	900.22	900.22	Volumetric Limited draw-down
40	164	2176.97	2176.79	7.44	1053.12	1052.90	836.50	836.50	Volumetric Limited draw-down

Client:	SANDIA TECHNOLOGIES, LLC	Tool:	MRPS_1-
Field:	WILDCAT	Probe Type:	Conventional probe
Well:	NYSTA TANDEM LOT 1	Gauge:	BQP1
Run date:	15-Oct-2011	Gauge Resolution:	0.010 psi

Test	File	Depth FT	TVD FT	Drawdown Mobility MD/CP	Mud Pressure Before PSIA After PSIA		Last read build-up Pres PSIA	Formation Pressure PSIA	Test Type
2	128	4585.01	4522.08		2215.90	2212.05	479.77		Dry Test
4	129	4584.01	4521.08		2208.12	2205.49			Lost Seal
5	130	4020.01	3960.79		1910.25	1908.96	194.91		Dry Test
6	131	3872.06	3818.45		1840.59	1838.18	238.97		Dry Test
7	132	3873.03	3819.37		1837.46	1836.56	214.07		Dry Test
9	133	3782.98	3734.59	23.89	1799.67	1795.76	1499.04	1499.04	Volumetric Limited draw-down
11	134	3755.99	3709.34		1787.82	1784.45			Lost Seal
12	135	3756.99	3710.27		1784.08	1782.75			Lost Seal
13	137	3783.08	3734.68	1.63	1799.72	1797.63	1499.69	1499.69	Volumetric Limited draw-down
14	139	3782.36	3734.00	9.58	1795.94	1794.52	1498.85	1498.85	Volumetric Limited draw-down
15	140	3786.03	3737.44		1797.67	1796.36	261.59		Dry Test
16	141	3782.92	3734.53	0.92	1795.01	1793.87	1499.35	1499.35	Volumetric Limited draw-down
18	142	3784.07	3735.61	0.24	1795.08	1794.22	730.86	730.86	Volumetric Limited draw-down
19	143	3783.00	3734.60	1.12	1794.57	1793.57	1499.68	1499.68	Volumetric Limited draw-down
20	149	3274.00	3259.30	0.15	1563.19	1562.26	1290.19	1290.19	Volumetric Limited draw-down
22	150	3052.98	3045.64	1.02	1459.12	1458.80	1195.98	1195.98	Volumetric Limited draw-down
23	151	3078.01	3070.01	0.96	1470.16	1470.19	1207.70	1207.70	Volumetric Limited draw-down
25	152	3058.00	3050.53	171.87	1461.18	1491.72	1198.07	1198.07	Volumetric Limited draw-down
27	155	2685.98	2684.78	25.21	1288.15	1287.71	1273.91	1273.91	Volumetric Limited draw-down
28	156	2686.48	2685.27		1288.40	1287.95	257.29		Dry Test
30	157	2685.50	2684.30	110.22	1287.19	1287.28	1272.39	1272.39	Volumetric Limited draw-down
32	159	2438.06	2437.75	0.21	1167.69	1167.55	949.48	949.48	Volumetric Limited draw-down



Detailed Pretest Summary

MAXIS Field Log

Client: SANDIA TECHNOLOGIES, LLC
Field: WILDCAT
Well: NYSTA TANDEM LOT 1
Run date: 15-Oct-2011

Tool: MRPS_1-
Probe Type: Conventional probe
Gauge: BQP1
Gauge Resolution: 0.010 psi

Test Number	38	40
File Number	163	164
Test Type	Volumetric Limited draw-down	Volumetric Limited draw-down
Depth,FT	2321.97	2176.97
Vertical Depth,FT	2321.73	2176.79
Mud Pressure before,PSIA	1110.90	1053.12
Mud Pressure after,PSIA	1134.65	1052.90
Last read build-up Pressure,PSIA	900.22	836.50
Formation Pressure,PSIA	900.22	836.50
Pretest 1 duration, SEC	7.2	11.1
Pretest 1 volume, CC	10.1	9.7
Pretest 1 flow-rate, CC/SEC	1.41	0.87
Draw-down Mobility, MD/CP	110.931	7.445
Draw-down Permeability, MD		
Viscosity,CP		
Spherical Extrapolated Pressure,PSIA		
Spherical Mobility, MD/CP		
Porosity		
Total Compressibility, 1/PSI		
Depth of investigation,FT		
Radial Extrapolated Pressure,PSIA		
Horizontal Mobility-Thickness, MD.FT/CP		

Client: SANDIA TECHNOLOGIES, LLC
Field: WILDCAT
Well: NYSTA TANDEM LOT 1
Run date: 15-Oct-2011

Tool: MRPS_1-
Probe Type: Conventional probe
Gauge: BQP1
Gauge Resolution: 0.010 psi

Test Number	30	32	34	35	36
File Number	157	159	160	161	162
Test Type	Volumetric Limited draw-down	Volumetric Limited draw-down	Volumetric Limited draw-down	Volumetric Limited draw-down	Volumetric Limited draw-down
Depth,FT	2685.50	2438.06	2391.94	2392.41	2320.05
Vertical Depth,FT	2684.30	2437.75	2391.68	2392.15	2319.82
Mud Pressure before,PSIA	1287.19	1167.69	1145.09	1145.18	1110.27
Mud Pressure after,PSIA	1287.28	1167.55	1145.17	1145.27	1109.86
Last read build-up Pressure,PSIA	1272.39	949.48	1122.20	1148.83	899.96

Last read build-up Pressure,PSIA	1272.39	949.48	1122.20	1149.83	899.96
Pretest 1 duration, SEC	3.9	3.3	8.1	1.2	4.5
Pretest 1 volume, CC	6.2	1.5	9.5	9.8	2.5
Pretest 1 flow-rate, CC/SEC	1.60	0.46	1.18	8.18	0.55
Draw-down Mobility, MD/CP	110.218	0.205	72.818	19.255	0.763
Draw-down Permeability, MD					
Viscosity,CP					
Spherical Extrapolated Pressure,PSIA					
Spherical Mobility, MD/CP					
Porosity					
Total Compressibility, 1/PSI					
Depth of investigation,FT					
Radial Extrapolated Pressure,PSIA					
Horizontal Mobility-Thickness, MD.FT/CP					

Client: SANDIA TECHNOLOGIES, LLC

Field: WILDCAT

Well: NYSTA TANDEM LOT 1

Run date: 15-Oct-2011

Tool:

Probe Type:

Gauge:

Gauge Resolution:

MRPS_1-

Conventional probe

BQP1

0.010 psi

Test Number	22	23	25	27	28
File Number	150	151	152	155	156
Test Type	Volumetric Limited draw	Volumetric Limited draw	Volumetric Limited draw	Volumetric Limited draw	Dry Test
Depth,FT	3052.98	3078.01	3058.00	2685.98	2686.48
Vertical Depth,FT	3045.64	3070.01	3050.53	2684.78	2685.27
Mud Pressure before,PSIA	1459.12	1470.16	1461.18	1288.15	1288.40
Mud Pressure after,PSIA	1458.80	1470.19	1491.72	1287.71	1287.95
Last read build-up Pressure,PSIA	1195.98	1207.70	1198.07	1273.91	257.29
Formation Pressure,PSIA	1195.98	1207.70	1198.07	1273.91	
Pretest 1 duration, SEC	5.7	5.4	12.0	2.7	
Pretest 1 volume, CC	3.4	3.6	10.1	9.5	
Pretest 1 flow-rate, CC/SEC	0.59	0.67	0.84	3.50	
Draw-down Mobility, MD/CP	1.021	0.963	171.866	25.206	
Draw-down Permeability, MD					
Viscosity,CP					
Spherical Extrapolated Pressure,PSIA					
Spherical Mobility, MD/CP					
Porosity					
Total Compressibility, 1/PSI					
Depth of investigation,FT					
Radial Extrapolated Pressure,PSIA					
Horizontal Mobility-Thickness, MD.FT/CP					

Client: SANDIA TECHNOLOGIES, LLC

Field: WILDCAT

Well: NYSTA TANDEM LOT 1

Run date: 15-Oct-2011

Tool:

Probe Type:

Gauge:

Gauge Resolution:

MRPS_1-

Conventional probe

BQP1

0.010 psi

Test Number	15	16	18	19	20
File Number	140	141	142	143	149
Test Type	Dry Test	Volumetric Limited d	Volumetric Limited d	Volumetric Limited d	Volumetric Limited d
Depth,FT	3786.03	3782.92	3784.07	3783.00	3274.00
Vertical Depth,FT	3737.44	3734.53	3735.61	3734.60	3259.30
Mud Pressure before,PSIA	1797.67	1795.01	1795.08	1794.57	1563.19
Mud Pressure after,PSIA	1796.36	1793.87	1794.22	1793.57	1562.26
Last read build-up Pressure,PSIA	261.59	1499.35	730.86	1499.68	1290.19
Formation Pressure,PSIA		1499.35	730.86	1499.68	1290.19
Pretest 1 duration, SEC		9.0	14.4	9.3	6.0
Pretest 1 volume, CC		4.3	0.7	5.0	4.6
Pretest 1 flow-rate, CC/SEC		0.47	0.05	0.54	0.77
Draw-down Mobility, MD/CP		0.923	0.236	1.119	0.154
Draw-down Permeability, MD					
Viscosity,CP					
Spherical Extrapolated Pressure,PSIA					
Spherical Mobility, MD/CP					
Porosity					
Total Compressibility, 1/PSI					
Depth of investigation,FT					
Radial Extrapolated Pressure,PSIA					
Horizontal Mobility-Thickness, MD.FT/CP					

Client: SANDIA TECHNOLOGIES, LLC
Field: WILDCAT
Well: NYSTA TANDEM LOT 1
Run date: 15-Oct-2011

Tool: MRPS_1-
Probe Type: Conventional probe
Gauge: BQP1
Gauge Resolution: 0.010 psi

Test Number	9	11	12	13	14
File Number	133	134	135	137	139
Test Type	Volumetric Limited d	Lost Seal	Lost Seal	Volumetric Limited d	Volumetric Limited d
Depth,FT	3782.98	3755.99	3756.99	3783.08	3782.36
Vertical Depth,FT	3734.59	3709.34	3710.27	3734.68	3734.00
Mud Pressure before,PSIA	1799.67	1787.82	1784.08	1799.72	1795.94
Mud Pressure after,PSIA	1795.76	1784.45	1782.75	1797.63	1794.52
Last read build-up Pressure,PSIA	1499.04			1499.69	1498.85
Formation Pressure,PSIA	1499.04			1499.69	1498.85
Pretest 1 duration, SEC	16.8			12.3	11.1
Pretest 1 volume, CC	9.9			8.3	9.3
Pretest 1 flow-rate, CC/SEC	0.59			0.68	0.84
Draw-down Mobility, MD/CP	23.891			1.627	9.575
Draw-down Permeability, MD					
Viscosity,CP					
Spherical Extrapolated Pressure,PSIA					
Spherical Mobility, MD/CP					
Porosity					
Total Compressibility, 1/PSI					
Depth of investigation,FT					
Radial Extrapolated Pressure,PSIA					
Horizontal Mobility-Thickness, MD.FT/CP					

Client: SANDIA TECHNOLOGIES, LLC
Field: WILDCAT
Well: NYSTA TANDEM LOT 1
Run date: 15-Oct-2011

Tool: MRPS_1-
Probe Type: Conventional probe
Gauge: BQP1
Gauge Resolution: 0.010 psi

Test Number	2	4	5	6	7
File Number	128	129	130	131	132
Test Type	Dry Test	Lost Seal	Dry Test	Dry Test	Dry Test
Depth,FT	4585.01	4584.01	4020.01	3872.06	3873.03
Vertical Depth,FT	4522.08	4521.08	3960.79	3818.45	3819.37
Mud Pressure before,PSIA	2215.90	2208.12	1910.25	1840.59	1837.46
Mud Pressure after,PSIA	2212.05	2205.49	1908.96	1838.18	1836.56
Last read build-up Pressure,PSIA	479.77		194.91	238.97	214.07
Formation Pressure,PSIA					
Pretest 1 duration, SEC					
Pretest 1 volume, CC					
Pretest 1 flow-rate, CC/SEC					
Draw-down Mobility, MD/CP					
Draw-down Permeability, MD					
Viscosity,CP					
Spherical Extrapolated Pressure,PSIA					
Spherical Mobility, MD/CP					
Porosity					
Total Compressibility, 1/PSI					
Depth of investigation,FT					
Radial Extrapolated Pressure,PSIA					
Horizontal Mobility-Thickness, MD.FT/CP					



Sample Summary

MAXIS Field Log

SAMPLE SUMMARY

Sample Point 1

Measured Depth: 3058 ft
True Vertical Depth: 3050.5 ft
File No.: 152
Formation Temperature: 73 degF
Hydrostatic Pressure: 1461.18 psia
Formation Pressure: 1198.07 psia
Flowing Pressure: 960 psia

Sample # 1
Location: MRMS-CA 352
Slot # 1
Type: MPSR-BA
Size: 450cc
S/N: 684
Pumpout Time: 8421 s
Pumpout Volume: 13900 cc

Remarks for sample # 1
All bottles filled via standard method.
The standard method steps are as follows:
"Pump out, fire the bottle open, close the exit port"
"to the wellbore, wait for maximum pump pressure,"
"fire bottle closed, open the exit port."

Sample Point 2

Measured Depth: 2321.97 ft
True Vertical Depth: 2321.7 ft
File No.: 163
Formation Temperature: 69.2 degF
Hydrostatic Pressure: 1111.11 psia
Formation Pressure: 900.22 psia
Flowing Pressure: 500 psia

Sample # 1
Location: MRMS-CA 352
Slot # 2
Type: MPSR
Size: 450 cc
S/N: 30037
Pumpout Time: 25617 s
Pumpout Volume: 425650 cc

Remarks for sample # 2
All bottles filled via standard method.
The standard method steps are as follows:
"Pump out, fire the bottle open, close the exit port"
"to the wellbore, wait for maximum pump pressure,"
"fire bottle closed, open the exit port."

Schlumberger

**Pressure Test
4585.0 ft**

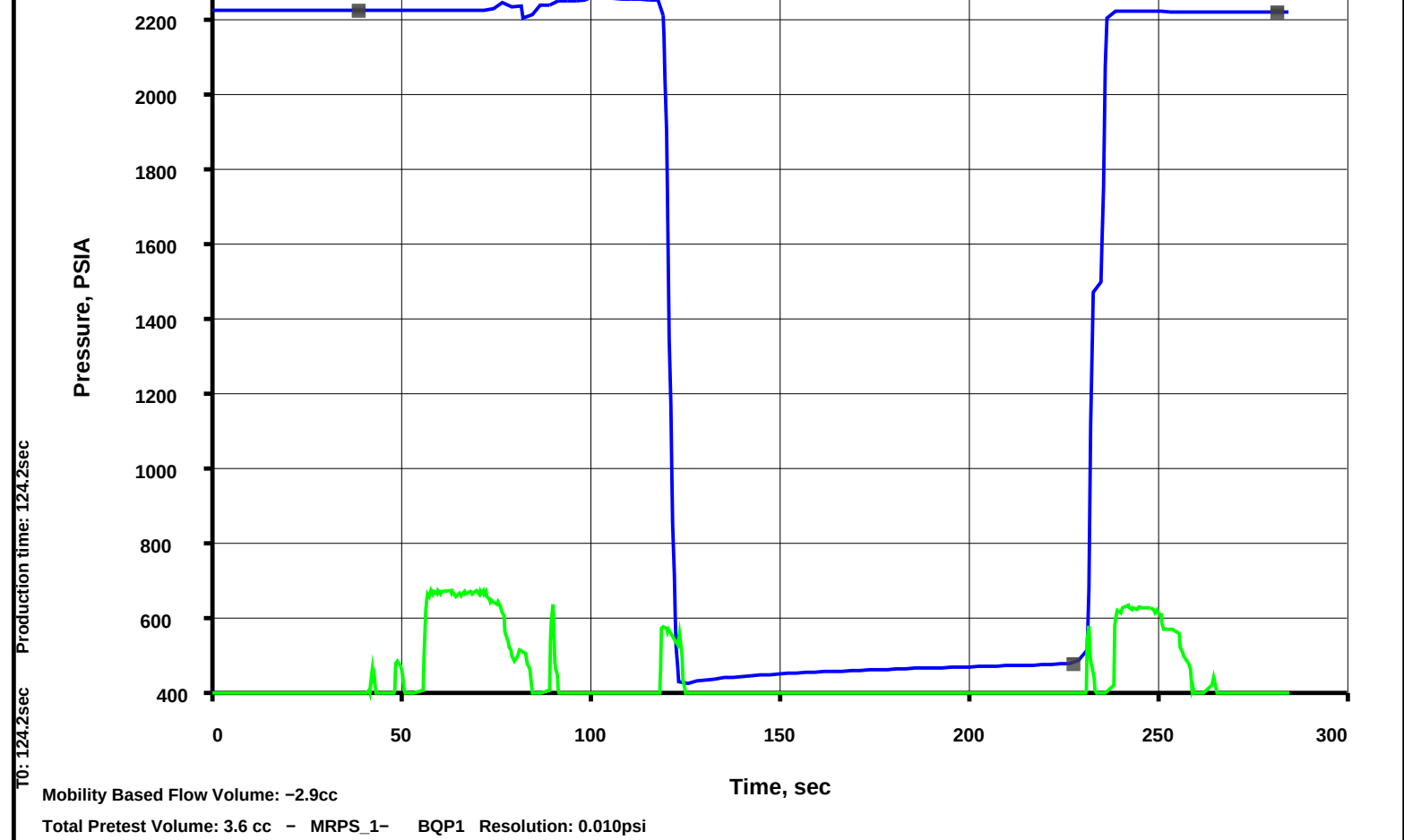
MAXIS Field Log

File 128
15-Oct-2011
Depth, FT: 4585.01
SANDIA TECHNOLOGIES, LLC
WILDCAT
NYSTA TANDEM LOT 1

Dry Test - Large-Diameter probe

Mud Pressure before test, PSIA: 2215.9
Mud Pressure after test, PSIA: 2212.05
Last build-up pressure, PSIA: 479.77

2400



Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

Output DLIS Files

DEFAULT	MDT_128LTP	FN:172	PRODUCER	19-Oct-2011 14:46	4585.0 FT
BACKUP	MDT_128LTP	FN:173	PRODUCER	19-Oct-2011 14:49	4585.0 FT

Elapsed Time (s)	Event Summary
234.0	Retract Single Probe Module (MRPS) 1
114.0	Vert Pretest 3.6 cc @ 60 C3/M Single Probe Module (MRPS) 1
51.9	Probe Set @ 4585.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)	MRHY 1 Motor Speed (HMS1) (RPM)

MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	
				0 (PSIA) 100	0 (PSIA) 10	0 (PSIA) 10	0 (PSIA) 1		
Retract		2212.00 00:04:37	2212.01						
		2212.08 00:04:48	2212.12						
		2212.18 00:04:39	2212.12						
		2212.28 00:04:30	2212.24						
		2212.38 00:04:21	2212.38						
		2212.59 00:04:12	2212.58						
		2213.00 00:04:03	2213.00						
		1475.80 00:03:54	1475.87						
		478.46 00:03:45	478.46						
		475.12 00:03:36	475.12						
		472.70 00:03:27	472.70						
		470.10 00:03:18	470.10						
		467.35 00:03:09	467.35						
		464.37 00:03:00	464.37						
		461.11 00:02:51	461.11						
		457.44 00:02:42	457.44						
		453.20 00:02:33	453.20						
		447.99 00:02:24	447.99						
		440.86 00:02:15	440.86						
		427.97 00:02:06	427.97						
Vert Pretest 3.6 cc @ 60 CPS		2242.84 00:01:57	2242.84						
		2246.22 00:01:48	2246.22						
		2249.78 00:01:39	2249.78						
		2237.30 00:01:30	2237.30						
		2236.60 00:01:21	2236.60						
		2215.47 00:01:12	2215.47						
		2215.59 00:01:03	2215.59						
Probe Set @ 4585.0 FT		2215.78 00:00:54	2215.78						
		2215.85 00:00:45	2215.85						
		2216.05 00:00:36	2216.05						
		2216.21 00:00:27	2216.21						
		2216.36 00:00:18	2216.36						
		2216.52 00:00:09	2216.52						
		2216.60 00:00:00	2216.60						
MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	
				0 (PSIA) 100	0 (PSIA) 10	0 (PSIA) 10	0 (PSIA) 1		
MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 0 150		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000							
MRPOUD Hydraulic Pump Output Volume (POUDPV) 0 (C3) 1000									
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)									

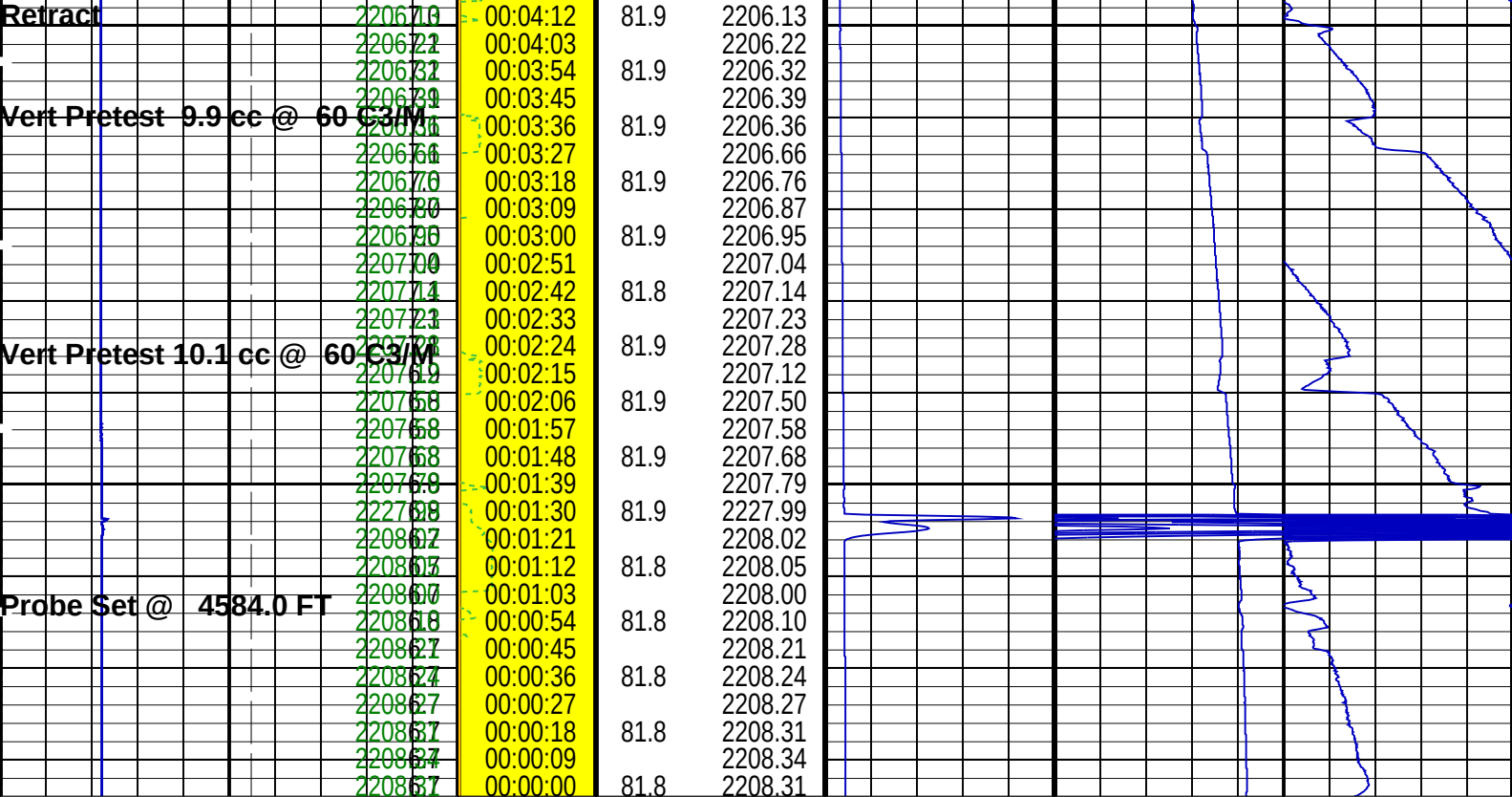
PIP SUMMARY



Well: NYSTA TANDEM LOT 1

DEFAULT	MDT_129LTP	FN:174	PRODUCER	19-Oct-2011 14:53	4584.0 FT
BACKUP	MDT_129LTP	FN:175	PRODUCER	19-Oct-2011 14:56	4584.0 FT

		MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)									
MRPOUD Hydraulic Pump Output Volume (POUDPV)											
0 (C3) 1000											
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)				MRHY 1 Motor Speed (HMS1) (RPM)							
0 150				0 8000							
MRPS 1 Strain Gauge Pressure (BSG1)				MRPOUD Solenoid 3 Status (POUDS3)		Resistivity Cell Temperature (B1TR) (DEGF)					
0 (PSIG) 10000				5 (-----) 0							
MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)				Elapsed Time (ETIM) (S)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	
						0 (PSIA) 100		0 (PSIA) 10		0 (PSIA) 1	
2205:47				00:05:15		2205:47					
2205:49				00:05:06		81.9 2205.47					
2205:59				00:04:57		2205.55					
2205:59				00:04:48		81.9 2205.64					
2205:59				00:04:39		2205.73					
2205:59				00:04:30		81.9 2205.79					
2205:55				00:04:21		2205.95					



MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	
0				0		0		0	
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)		MRPOUD Solenoid 3 Status (POUDS3)	Resistivity Cell Temperature (B1TR) (DEGF)	0		0		0	
0		5 (----) 0							
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		MRHY 1 Motor Speed (HMS1) (RPM)		0		0		0	
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)				0		0		0	
0									
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)									

PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

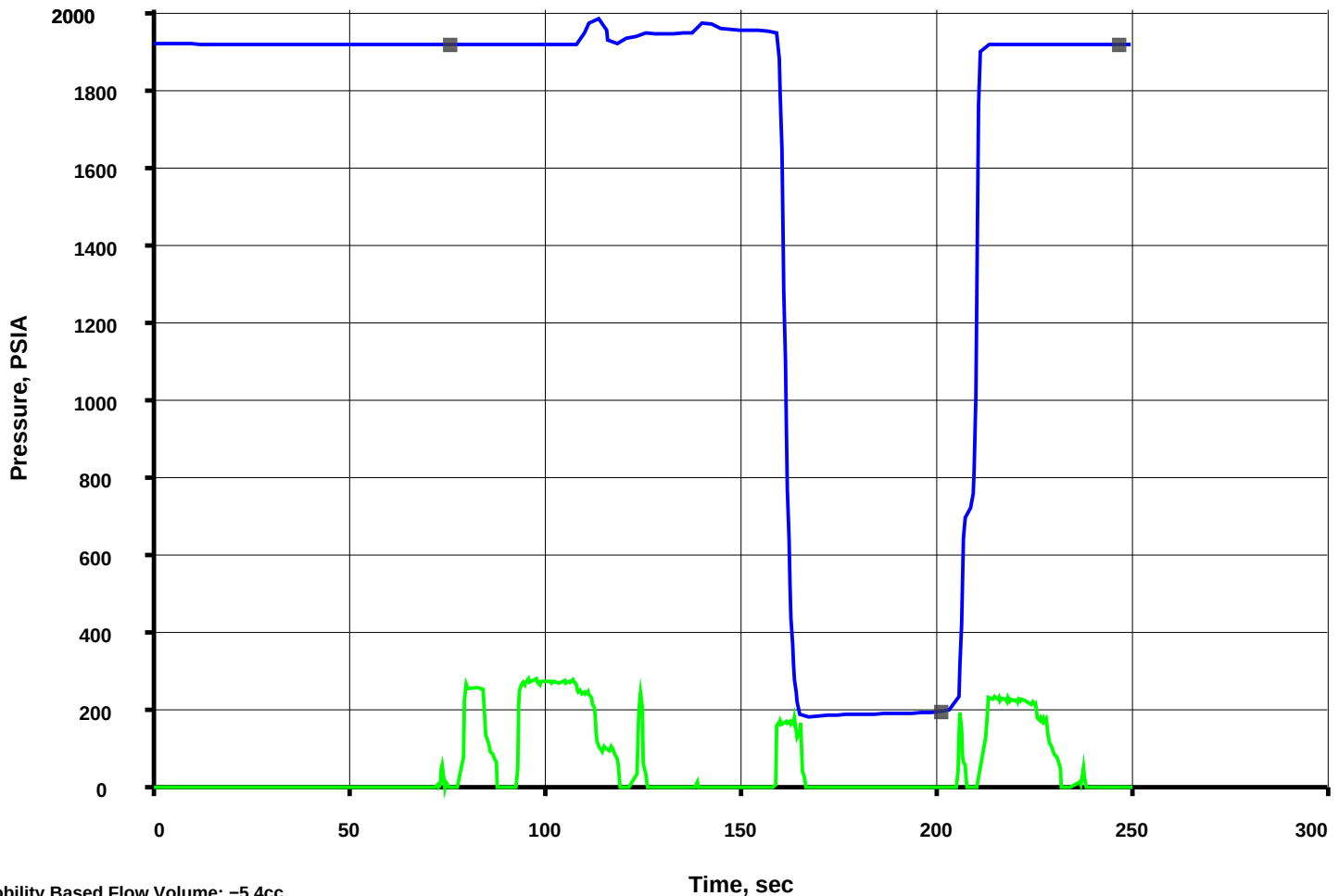
DEFAULT	MDT_129LTP	FN:174	PRODUCER	19-Oct-2011 14:53
BACKUP	MDT_129LTP	FN:175	PRODUCER	19-Oct-2011 14:56

Schlumberger

Pressure Test 4020.0 ft

MAXIS Field Log

File 130 Depth, FT: 4020.01 Dry Test - Large-Diameter probe
15-Oct-2011 SANDIA TECHNOLOGIES, LLC
WILDCAT
NYSTA TANDEM LOT 1
Mud Pressure before test, PSIA: 1910.25
Mud Pressure after test, PSIA: 1908.96
Last build-up pressure, PSIA: 194.91



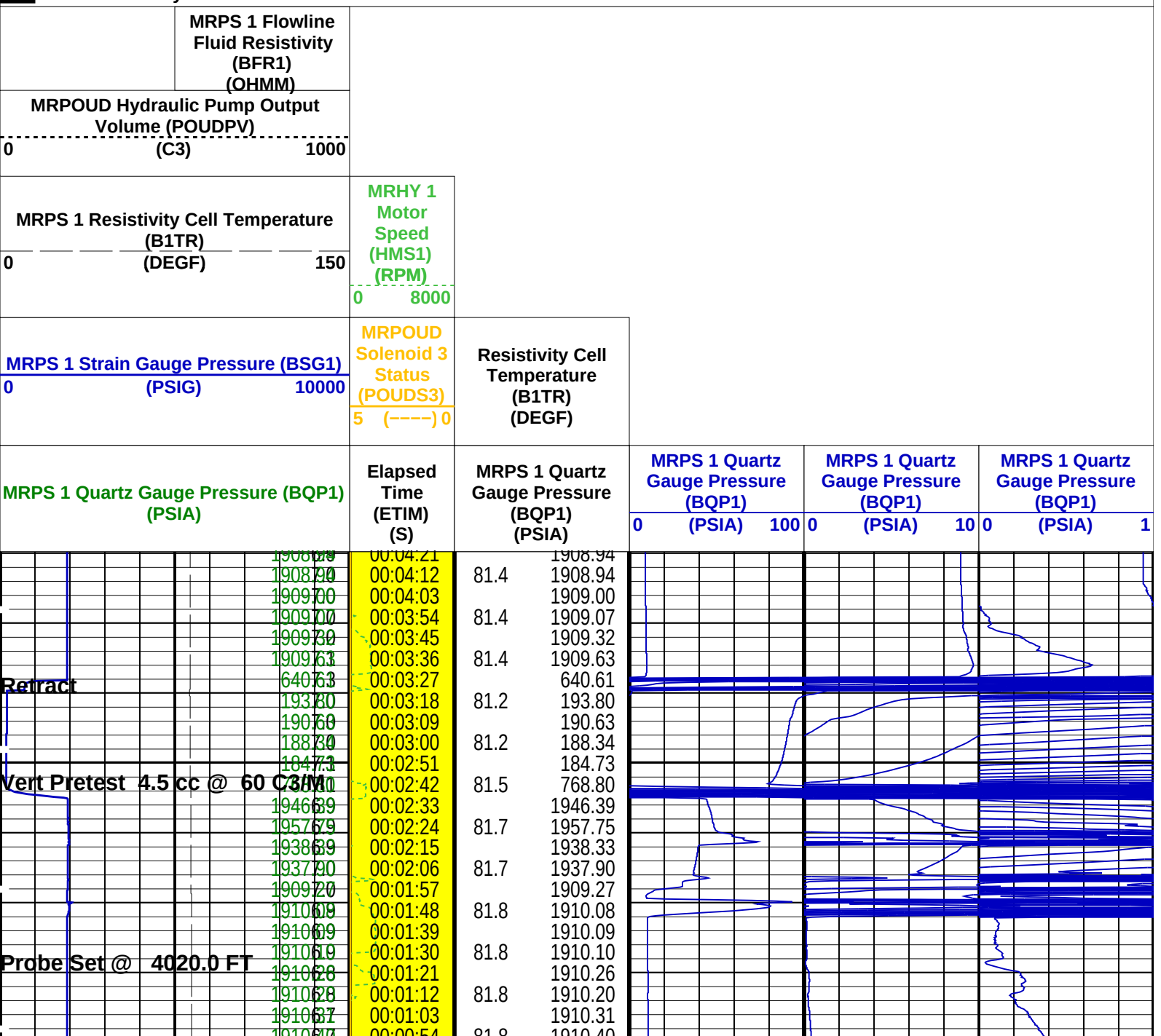
Output DLIS Files

DEFAULT	MDT_130LTP	FN:176	PRODUCER	19-Oct-2011 15:11	4020.0 FT
BACKUP	MDT_130LTP	FN:177	PRODUCER	19-Oct-2011 15:14	4020.0 FT

Elapsed Time (s)	Event Summary
208.2	Retract Single Probe Module (MRPS) 1
154.5	Vert Pretest 4.5 cc @ 60 C3/M Single Probe Module (MRPS) 1
89.1	Probe Set @ 4020.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S



MAXIS Field Log

File 131

Depth, FT: 3872.06

Dry Test - Large-Diameter probe

15-Oct-2011

SANDIA TECHNOLOGIES, LLC

Mud Pressure before test, PSIA:

1840.59

WILDCAT

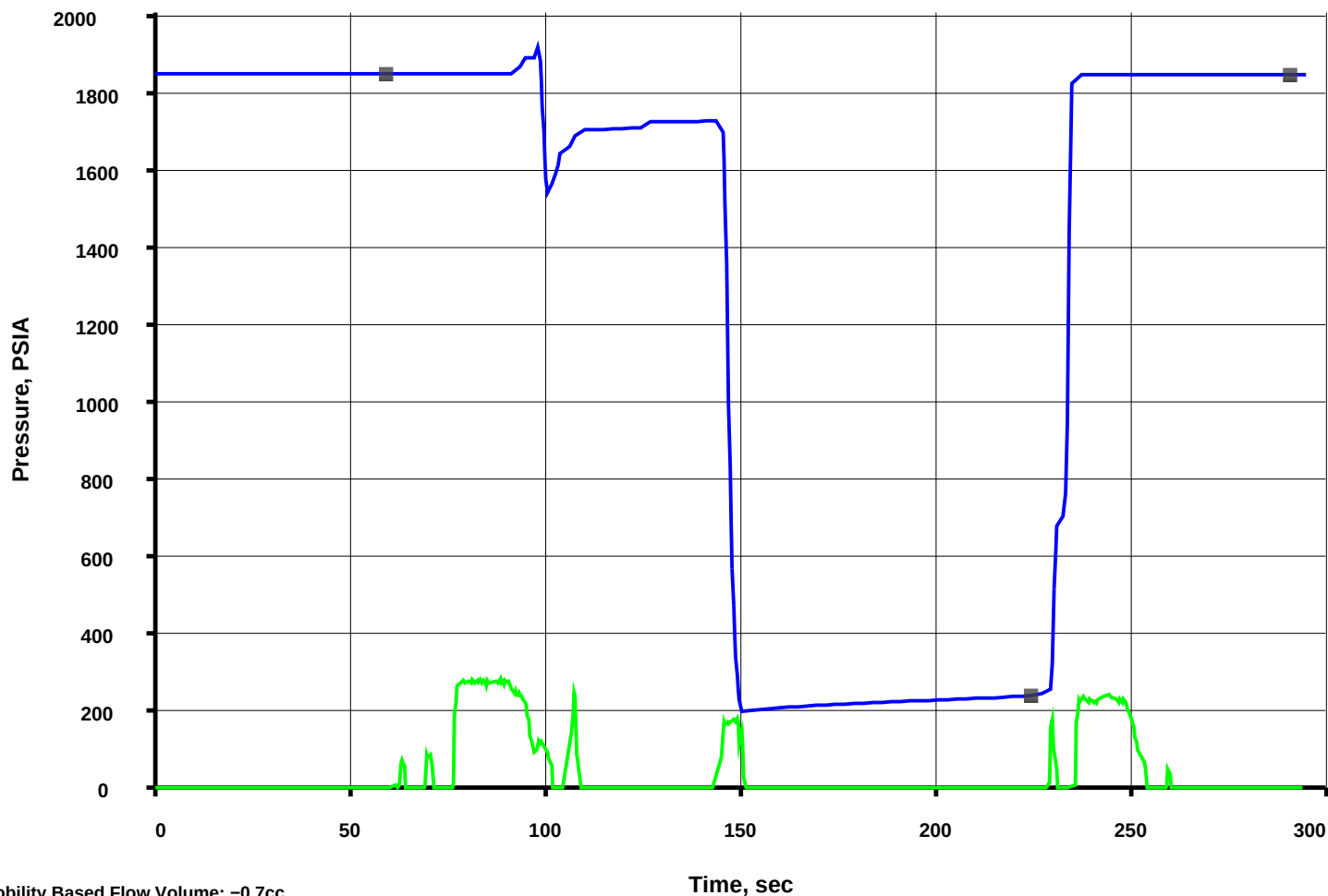
Mud Pressure after test, PSIA:

1838.18

NYSTA TANDEM LOT 1

Last build-up pressure, PSIA:

238.97



Company: SANDIA TECHNOLOGIES, LLC

Well: NYSTA TANDEM LOT 1

Output DLIS Files

DEFAULT	MDT_131LTP	FN:178	PRODUCER	19-Oct-2011 15:21	3872.1 FT
BACKUP	MDT_131LTP	FN:179	PRODUCER	19-Oct-2011 15:24	3872.1 FT

Elapsed
Time (s)

Event Summary

231.9

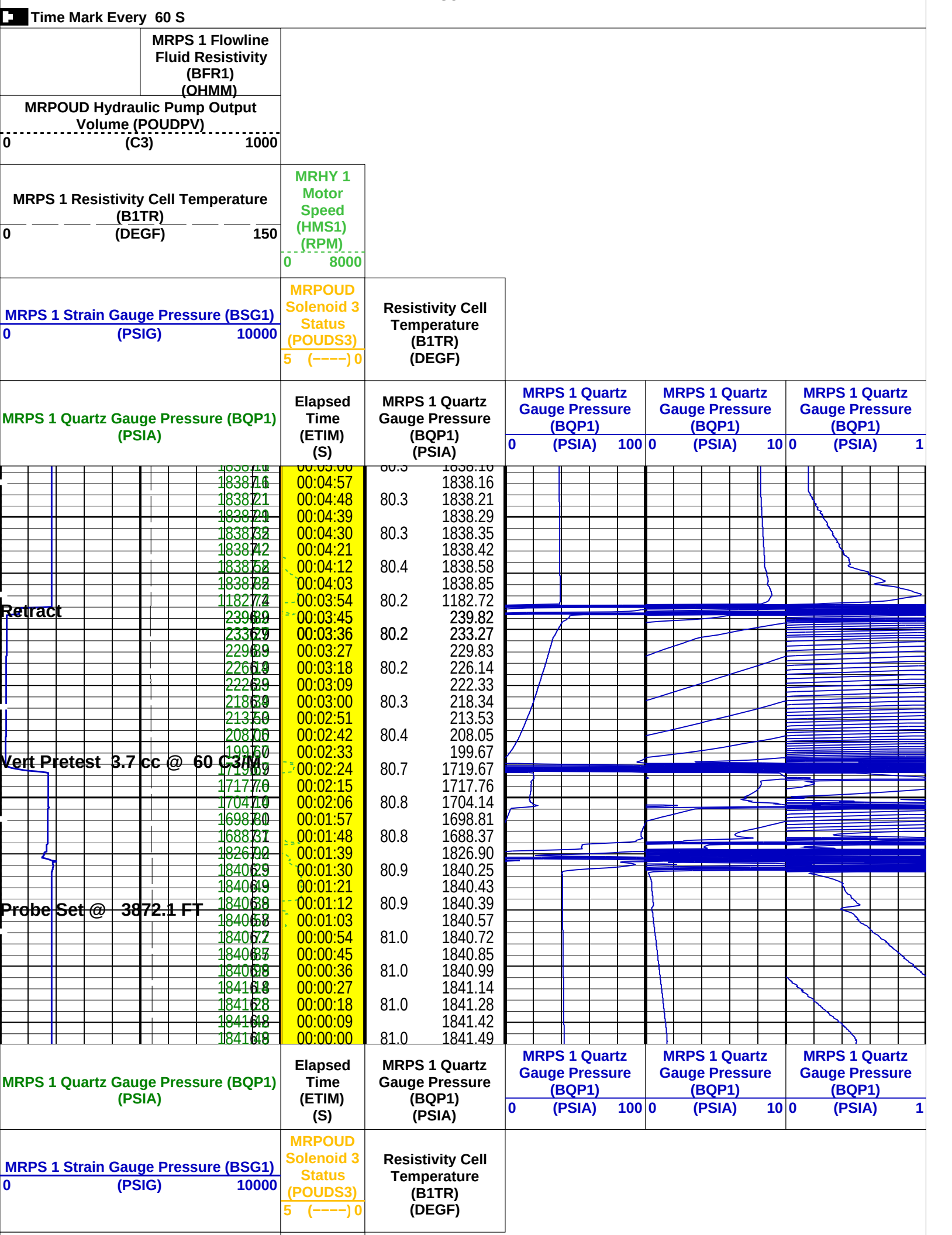
Retract Single Probe Module (MRPS) 1

140.4

Vert Pretest 3.7 cc @ 60 C3/M Single Probe Module (MRPS) 1

72.3

Probe Set @ 3872.1 FT Single Probe Module (MRPS) 1



MRPS 1 Resistivity Cell Temperature (B1TR)		MRHY 1 Motor Speed (HMS1) (RPM)
0	150	
MRPOUD Hydraulic Pump Output Volume (POUDPV)		
0	1000	
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	

PIP SUMMARY	
	Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT
Format: MRPS1/MRPQ1_Station		Vertical Scale: 1" per 60S
		Graphics File Created: 19-Oct-2011 15:21

OP System Version: 19C0-187			
MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

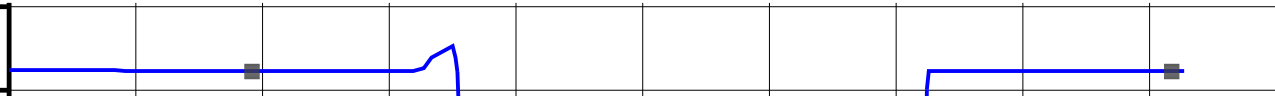
Output DLIS Files			
DEFAULT	MDT_131LTP	FN:178	PRODUCER 19-Oct-2011 15:21
BACKUP	MDT_131LTP	FN:179	PRODUCER 19-Oct-2011 15:24

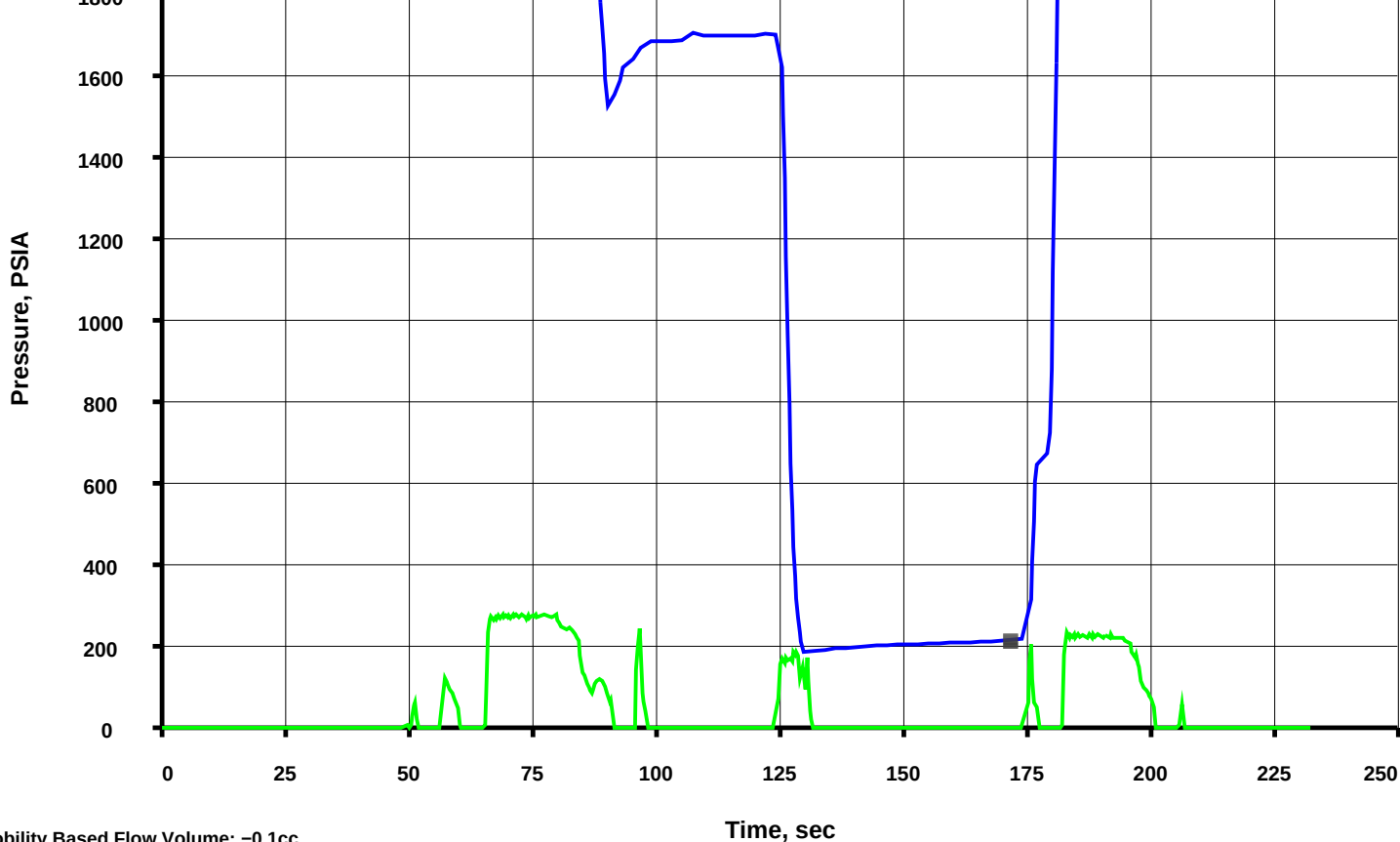


Pressure Test

3873.0 ft

MAXIS Field Log

File 132	Depth, FT: 3873.03	Dry Test - Large-Diameter probe	
15-Oct-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA:	1837.46
	WILDCAT	Mud Pressure after test, PSIA:	1836.56
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA:	214.07
2000 1800 			



Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

Output DLIS Files

DEFAULT	MDT_132LTP	FN:180	PRODUCER	19-Oct-2011 15:28	3873.0 FT
BACKUP	MDT_132LTP	FN:181	PRODUCER	19-Oct-2011 15:32	3873.0 FT

Elapsed Time (s)	Event Summary
178.2	Retract Single Probe Module (MRPS) 1
120.3	Vert Pretest 3.6 cc @ 60 C3/M Single Probe Module (MRPS) 1
61.2	Probe Set @ 3873.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)	MRHY 1 Motor Speed (HMS1) (RPM)
	MRPOUD

MRPS 1 Strain Gauge Pressure (BSG1)			Solenoid 3 Status (POUDS3)	Resistivity Cell Temperature (B1TR) (DEGF)						
0 (PSIG) 10000										
			5 (----) 0							
MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)			Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1)		MRPS 1 Quartz Gauge Pressure (BQP1)		MRPS 1 Quartz Gauge Pressure (BQP1)	
					0 (PSIA) 100	0 (PSIA) 10	0 (PSIA) 1			
Retract			1836.58 00:04:03	1836.56						
			1836.50 00:03:54	79.8 1836.55						
			1836.50 00:03:45							
			1836.50 00:03:36	79.8 1836.59						
			1836.60 00:03:27							
			1836.74 00:03:18	79.8 1836.62						
			1836.99 00:03:09							
			877.10 00:03:00	79.6 1836.74						
			213.75 00:02:51							
			209.18 00:02:42	79.6 1836.99						
			205.56 00:02:33							
			200.78 00:02:24	79.6 1836.60						
			193.22 00:02:15							
Vert Pretest 3.6 cc @ 60 C3/M9			1342.38 00:02:06	79.9 1836.70						
			1691.39 00:01:57							
			1694.93 00:01:48	80.0 1836.50						
			1677.02 00:01:39							
			1542.19 00:01:30	80.0 1836.50						
			1837.68 00:01:21							
			1837.44 00:01:12	80.1 1836.59						
Probe Set @ 3873.0 FT			1837.46 00:01:03							
			1837.49 00:00:54	80.1 1836.59						
			1837.54 00:00:45							
			1837.61 00:00:36	80.1 1836.59						
			1837.67 00:00:27							
			1837.73 00:00:18	80.1 1836.59						
			1837.79 00:00:09							
			1837.81 00:00:00	80.2 1836.59						

MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1)		MRPS 1 Quartz Gauge Pressure (BQP1)		MRPS 1 Quartz Gauge Pressure (BQP1)	
				0 (PSIA)	100	0 (PSIA)	10	0 (PSIA)	1
MRPS 1 Strain Gauge Pressure (BSG1)		MRPOUD Solenoid 3 Status (POUDS3)	Resistivity Cell Temperature (B1TR) (DEGF)						
0 (PSIG) 10000									
		5 (----) 0							
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		MRHY 1 Motor Speed (HMS1) (RPM)							
0 150									
			0 8000						
MRPOUD Hydraulic Pump Output Volume (POUDPV)		MRPS 1 Flowline Fluid Resistivity (BFR1) (QHMM)							
0 (C3) 1000									

PIP SUMMARY										
Time Mark Every 60 S										

Parameters		
DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
OGCA	Quartz Gauge Pressure Correction Applied	BOTH

QGA	Quartz Gauge Pressure Correction Applied	BOTH	0	DEG
QGDA	Quartz Gauge Deviation Angle			
QGFD	Quartz Gauge Flow Line Density		1	G/C3
MRHY_1: Hydraulic Module (MRHY) 1				
PDCO	Probe Depth Correction Offset		0	FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)				
PDCO	Probe Depth Correction Offset		0	FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume		366	
MRMS_1: MDT Multi-Sample (MRMS) 1				
PDCO	Probe Depth Correction Offset		0	FT
MRPC: Power Cartridge				
PDCO	Probe Depth Correction Offset		0	FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 15:28

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_132LTP	FN:180	PRODUCER	19-Oct-2011 15:28
BACKUP	MDT_132LTP	FN:181	PRODUCER	19-Oct-2011 15:32

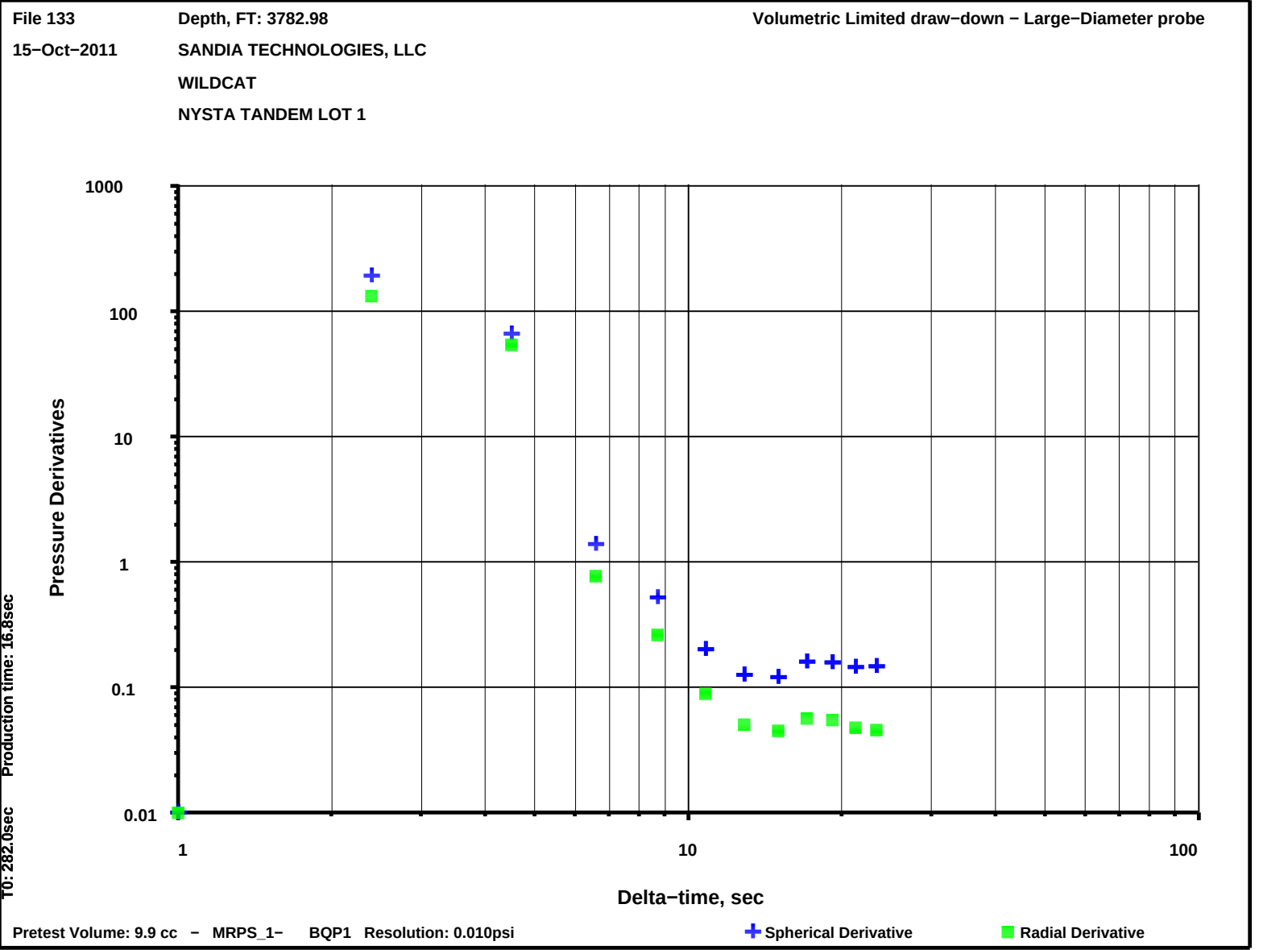
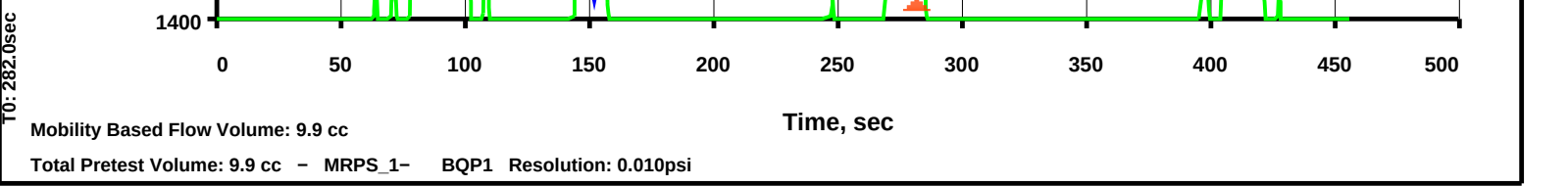
Schlumberger

Pressure Test
3783.0 ft

MAXIS Field Log

File 133 Depth, FT: 3782.98 Volumetric Limited draw-down - Large-Diameter probe
15-Oct-2011 SANDIA TECHNOLOGIES, LLC Mud Pressure before test, PSIA: 1799.67
WILDCAT Mud Pressure after test, PSIA: 1795.76
NYSTA TANDEM LOT 1 Last build-up pressure, PSIA: 1499.04
Draw-down mobility, md/cp: 23.9





Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

Output DLIS Files					
DEFAULT	MDT_133LTP	FN:182	PRODUCER	19-Oct-2011 15:36	3783.0 FT
BACKUP	MDT_133LTP	FN:183	PRODUCER	19-Oct-2011 15:40	3783.0 FT

Elapsed Time (s)	Event Summary
400.2	Retract Single Probe Module (MRPS) 1
265.2	Vert Pretest 9.9 cc @ 45 C3/M Single Probe Module (MRPS) 1
139.5	Vert Pretest 10.1 cc @ 60 C3/M Single Probe Module (MRPS) 1
74.1	Probe Set @ 3783.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

		MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)															
MRPOUD Hydraulic Pump Output Volume (POUDPV)																	
0		(C3)		1000													
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)				MRHY 1 Motor Speed (HMS1) (RPM)													
0		(DEGF)		150		0		8000									
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)				MRPOUD Solenoid 3 Status (POUDS3)		Resistivity Cell Temperature (B1TR) (DEGF)											
0		(PSIG)		10000		5 (-----) 0											
MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)				Elapsed Time (ETIM) (S)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	
0		(PSIA)		100		0		(PSIA)		10		0		(PSIA)		1	
Retract				1795.70		00:07:40		79.2		1795.74							
				1795.70		00:07:39		79.2		1795.74							
				1795.80		00:07:30		79.2		1795.82							
				1795.80		00:07:21		79.2		1795.88							
				1795.90		00:07:12		79.2		1795.93							
				1795.91		00:07:03		79.2		1795.91							
				1796.00		00:06:54		79.2		1796.06							
				1796.00		00:06:45		79.2		1796.00							
				1501.38		00:06:36		79.2		1501.38							
				1499.04		00:06:27		79.2		1499.04							
				1499.04		00:06:18		79.2		1499.04							
				1499.04		00:06:09		79.2		1499.04							
				1499.04		00:06:00		79.2		1499.04							
				1499.04		00:05:51		79.2		1499.04							
				1499.04		00:05:42		79.2		1499.04							
				1499.04		00:05:33		79.2		1499.04							
				1499.03		00:05:24		79.2		1499.03							
				1499.03		00:05:15		79.2		1499.03							
				1499.03		00:05:06		79.2		1499.03							
				1499.03		00:04:57		79.2		1499.03							
Vert Pretest 9.9 cc @ 45 C3/M				1498.96		00:04:48		79.3		1498.96							
				1418.46		00:04:39		79.3		1418.46							
				1498.29		00:04:30		79.3		1498.29							
				1499.05		00:04:21		79.3		1499.05							
				1499.05		00:04:12		79.3		1499.05							
				1500.19		00:04:03		79.3		1500.19							
				1500.21		00:03:54		79.3		1500.21							
				1500.26		00:03:45		79.3		1500.26							
				1500.53		00:03:36		79.3		1500.53							
				1500.95		00:03:27		79.3		1500.95							
				1500.35		00:03:18		79.3		1500.35							
				1502.21		00:03:09		79.3		1502.21							
				1501.41		00:03:00		79.4		1501.41							
				1501.02		00:02:51		79.4		1501.02							
Vert Pretest 10.1 cc @ 60 C3/M				1502.23		00:02:42		79.4		1502.23							
				1416.84		00:02:33		79.5		1416.84							
				1824.30		00:02:24		79.5		1824.30							
				1828.37		00:02:15		79.5		1828.37							
				1849.58		00:02:06		79.5		1849.58							
				1816.27		00:01:57		79.5		1816.27							
				1805.91		00:01:48		79.5		1805.91							
				1863.56		00:01:39		79.5		1863.56							
				1799.35		00:01:30		79.5		1799.35							
				1799.49		00:01:21		79.5		1799.49							
Probe Set @ 3783.0 FT				1799.51		00:01:12		79.5		1799.51							
				1799.67		00:01:03		79.5		1799.67							

MAXIS Field Log

File 134

Depth, FT: 3755.99

Lost Seal – Large-Diameter probe

15-Oct-2011

SANDIA TECHNOLOGIES, LLC

Mud Pressure before test, PSIA:

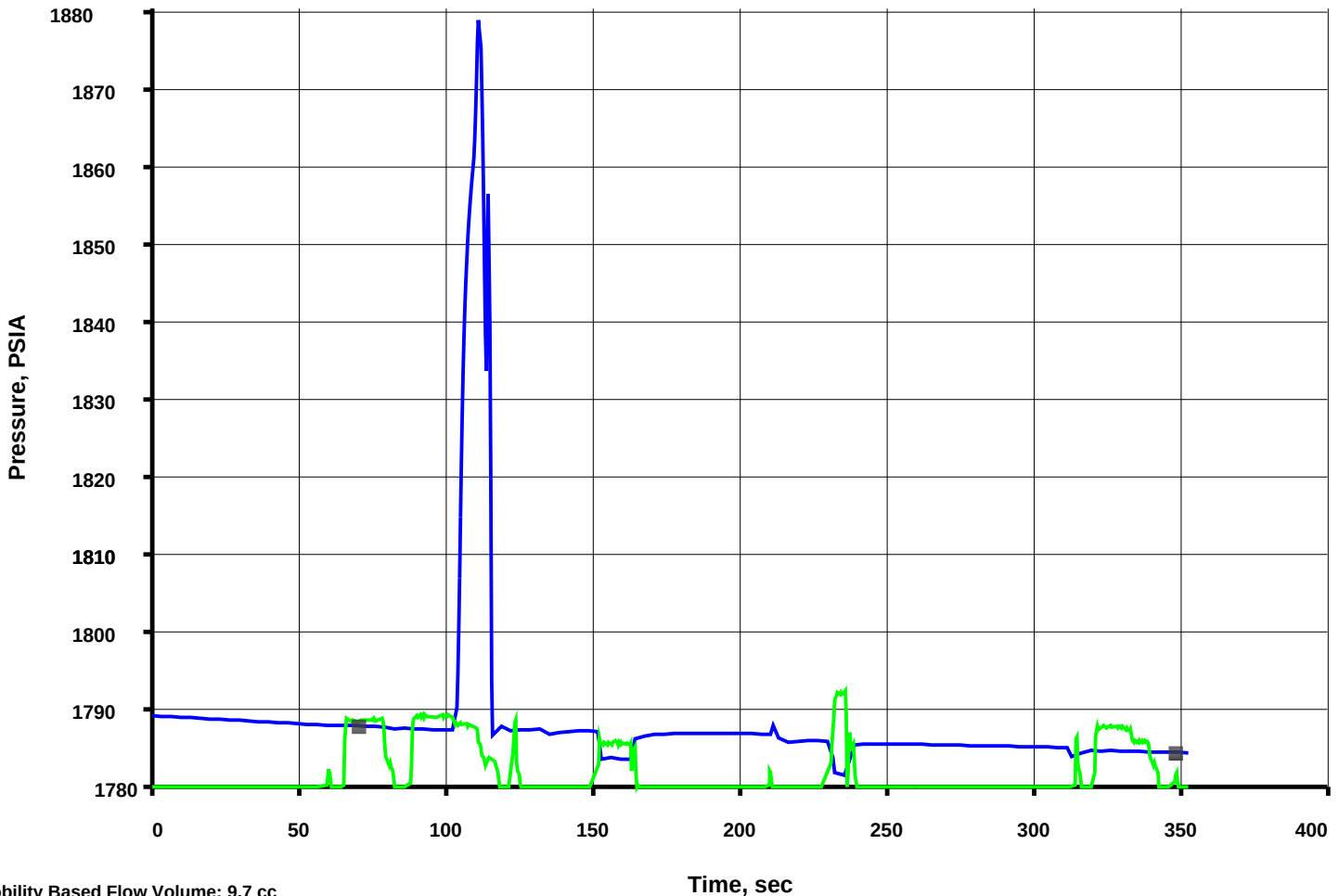
1787.82

WILDCAT

Mud Pressure after test, PSIA:

1784.45

NYSTA TANDEM LOT 1



Company: SANDIA TECHNOLOGIES, LLC

Well: NYSTA TANDEM LOT 1

Output DLIS Files

DEFAULT	MDT_134LTP	FN:184	PRODUCER	19-Oct-2011 15:46	3756.0 FT
BACKUP	MDT_134LTP	FN:185	PRODUCER	19-Oct-2011 15:49	3756.0 FT

Elapsed Time (s)	Event Summary
316.5	Retract Single Probe Module (MRPS) 1
226.5	Vert Pretest 9.7 cc @ 120 C3/M Single Probe Module (MRPS) 1
147.3	Vert Pretest 10.1 cc @ 60 C3/M Single Probe Module (MRPS) 1
83.7	Probe Set @ 3756.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY									
Time Mark Every 60 S									
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)		MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		MRHY 1 Motor Speed (HMS1) (RPM)		MRPOUD Solenoid 3 Status (POUDS3)	
0 1000		0 150		0 8000		0 10000		5 (----) 0	
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		Resistivity Cell Temperature (B1TR) (DEGF)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	
0 10000		0 100		0 100		0 100		0 100	
0 10000		0 100		0 100		0 100		0 100	
Retract		Vert Pretest 9.7 cc @ 120 C3/M		Vert Pretest 10.1 cc @ 60 C3/M		Probe Set @ 3756.0 FT			
1784.67	00:06:00	79.0	1784.44						
1784.68	00:05:51		1784.45						
1784.68	00:05:42	79.0	1784.49						
1784.69	00:05:33		1784.62						
1784.69	00:05:24	79.0	1784.69						
1783.28	00:05:15		1783.25						
1785.18	00:05:06	79.0	1785.14						
1785.28	00:04:57		1785.21						
1785.28	00:04:48	79.0	1785.28						
1785.38	00:04:39		1785.36						
1785.68	00:04:30	79.0	1785.44						
1785.59	00:04:21		1785.51						
1785.59	00:04:12	79.0	1785.56						
1785.59	00:04:03		1785.59						
1786.08	00:03:54	79.0	1781.35						
1786.08	00:03:45		1786.01						
1785.79	00:03:36	79.0	1785.77						
1786.89	00:03:27		1786.81						
1786.99	00:03:18	79.0	1786.96						
1786.99	00:03:09		1786.93						
1786.99	00:03:00	79.0	1786.88						
1786.79	00:02:51		1786.78						
1786.79	00:02:42	79.0	1782.95						
1783.69	00:02:33		1783.63						
1787.19	00:02:24	79.1	1787.19						
1786.79	00:02:15		1786.78						
1787.09	00:02:06	79.1	1787.47						
1787.09	00:01:57		1787.01						
1853.79	00:01:48	79.1	1853.78						
1787.09	00:01:39		1787.40						
1787.70	00:01:30	79.1	1787.47						
1787.51	00:01:21		1787.55						
1787.80	00:01:12	79.1	1787.83						
1788.01	00:01:03		1788.01						
1788.09	00:00:54	79.1	1788.07						
1788.29	00:00:45		1788.26						
1788.09	00:00:36	79.1	1788.44						
1788.69	00:00:27		1788.63						
1788.89	00:00:18	79.1	1788.82						
1789.09	00:00:09		1789.01						
1789.19	00:00:00	79.1	1789.18						

PIP SUMMARY									
Time Mark Every 60 S									
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)		MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		MRHY 1 Motor Speed (HMS1) (RPM)		MRPOUD Solenoid 3 Status (POUDS3)	
0 1000		0 150		0 8000		0 10000		5 (----) 0	
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		Resistivity Cell Temperature (B1TR) (DEGF)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	
0 10000		0 100		0 100		0 100		0 100	
0 10000		0 100		0 100		0 100		0 100	
Retract		Vert Pretest 9.7 cc @ 120 C3/M		Vert Pretest 10.1 cc @ 60 C3/M		Probe Set @ 3756.0 FT			
1784.67	00:06:00	79.0	1784.44						
1784.68	00:05:51		1784.45						
1784.68	00:05:42	79.0	1784.49						
1784.69	00:05:33		1784.62						
1784.69	00:05:24	79.0	1784.69						
1783.28	00:05:15		1783.25						
1785.18	00:05:06	79.0	1785.14						
1785.28	00:04:57		1785.21						
1785.28	00:04:48	79.0	1785.28						
1785.38	00:04:39		1785.36						
1785.48	00:04:30	79.0	1785.44						
1785.59	00:04:21		1785.51						
1785.59	00:04:12	79.0	1785.56						
1785.59	00:04:03		1785.59						
1786.08	00:03:54	79.0	1781.35						
1786.08	00:03:45		1786.01						
1786.79	00:03:36	79.0	1785.77						
1786.89	00:03:27		1786.81						
1786.99	00:03:18	79.0	1786.96						
1786.99	00:03:09		1786.93						
1786.99	00:03:00	79.0	1786.88						
1786.79	00:02:51		1786.78						
1786.79	00:02:42	79.0	1782.95						
1783.69	00:02:33		1783.63						
1787.19	00:02:24	79.1	1787.19						
1786.79	00:02:15		1786.78						
1787.09	00:02:06	79.1	1787.47						
1787.09	00:01:57		1787.01						
1853.79	00:01:48	79.1	1853.78						
1787.09	00:01:39		1787.40						
1787.70	00:01:30	79.1	1787.47						
1787.51	00:01:21		1787.55						
1787.80	00:01:12	79.1	1787.83						
1788.01	00:01:03		1788.01						
1788.09	00:00:54	79.1	1788.07						
1788.29	00:00:45		1788.26						
1788.09	00:00:36	79.1	1788.44						
1788.59	00:00:27		1788.63						
1788.89	00:00:18	79.1	1788.82						
1789.09	00:00:09		1789.01						
1789.19	00:00:00	79.1	1789.18						

[illegible]

MRPS 1 Quartz Gauge Pressure (BSG1) (PSIA)		Time (ETIM) (S)	Gauge Pressure (BQP1) (PSIA)	0 (BQP1) (PSIA)	100 (BQP1) (PSIA)	0 (BQP1) (PSIA)	10 (BQP1) (PSIA)	0 (BQP1) (PSIA)	1 (BQP1) (PSIA)
MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		MRPOUD Solenoid 3 Status (POUDS3) 5 (-----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPS 1 Resistivity Cell Temperature (B1TR) 0 (DEGF) 150		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000							
MRPOUD Hydraulic Pump Output Volume (POUDPV) 0 (C3) 1000									
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)								

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 15:46

OP System Version: 19C0-187

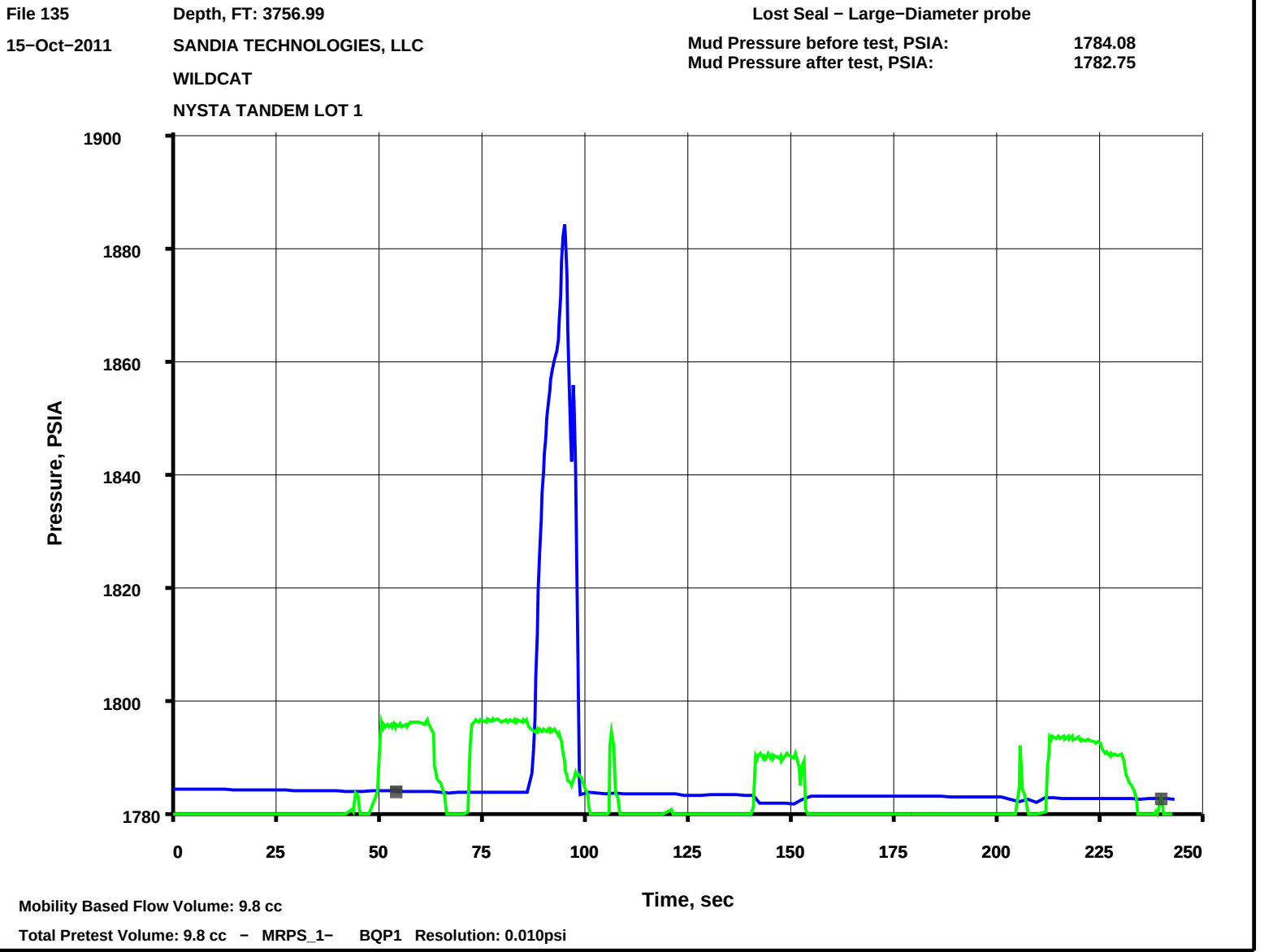
MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_134LTP	FN:184	PRODUCER	19-Oct-2011 15:46
BACKUP	MDT_134LTP	FN:185	PRODUCER	19-Oct-2011 15:49

Schlumberger

Pressure Test
3757.0 ft



Company: SANDIA TECHNOLOGIES, LLC

Well: NYSTA TANDEM LOT 1

Output DLIS Files					
DEFAULT	MDT_135LTP	FN:186	PRODUCER	19-Oct-2011 15:54	3757.0 FT
BACKUP	MDT_135LTP	FN:187	PRODUCER	19-Oct-2011 15:58	3757.0 FT

Elapsed Time (s)	Event Summary
207.9	Retract Single Probe Module (MRPS) 1
136.2	Vert Pretest 9.8 cc @ 60 C3/M Single Probe Module (MRPS) 1
67.5	Probe Set @ 3757.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY



MRPS 1 Resistivity Cell Temperature (B1TR) 0 (DEGF) 150		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000														
MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)													
MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 100				MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 10				MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 1			
Retract		1782.78 00:04:12	78.9	1782.74												
		1782.78 00:04:03		1782.74												
		1782.78 00:03:54	78.9	1782.71												
		1782.88 00:03:45		1782.84												
		1782.88 00:03:36	78.9	1782.88												
		1782.38 00:03:27		1782.38												
		1783.13 00:03:18	78.9	1783.13												
		1783.15 00:03:09		1783.15												
		1783.17 00:03:00	78.9	1783.17												
		1783.19 00:02:51		1783.19												
		1783.19 00:02:42	78.9	1783.19												
Vert Pretest 9.8 cc @ 60 CPS		1782.67 00:02:33		1782.67												
		1781.96 00:02:24	78.9	1781.96												
		1783.45 00:02:15		1783.45												
		1783.36 00:02:06	78.9	1783.36												
		1783.60 00:01:57		1783.60												
		1783.62 00:01:48	78.9	1783.62												
		1783.56 00:01:39		1783.56												
		1840.31 00:01:30	78.9	1840.31												
		1783.85 00:01:21		1783.85												
Probe Set @ 3757.0 FT		1783.90 00:01:12	78.9	1783.90												
		1784.05 00:01:03		1784.05												
		1784.11 00:00:54	78.9	1784.11												
		1784.05 00:00:45		1784.05												
		1784.17 00:00:36	78.9	1784.17												
		1784.26 00:00:27		1784.26												
		1784.35 00:00:18	78.9	1784.35												
		1784.44 00:00:09		1784.44												
		1784.51 00:00:00	78.9	1784.51												
MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 100				MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 10				MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 1			
MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)													
MRPS 1 Resistivity Cell Temperature (B1TR) 0 (DEGF) 150		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000														
MRPOUD Hydraulic Pump Output Volume (POUDPV) 0 (C3) 1000																
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)																

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 15:54

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

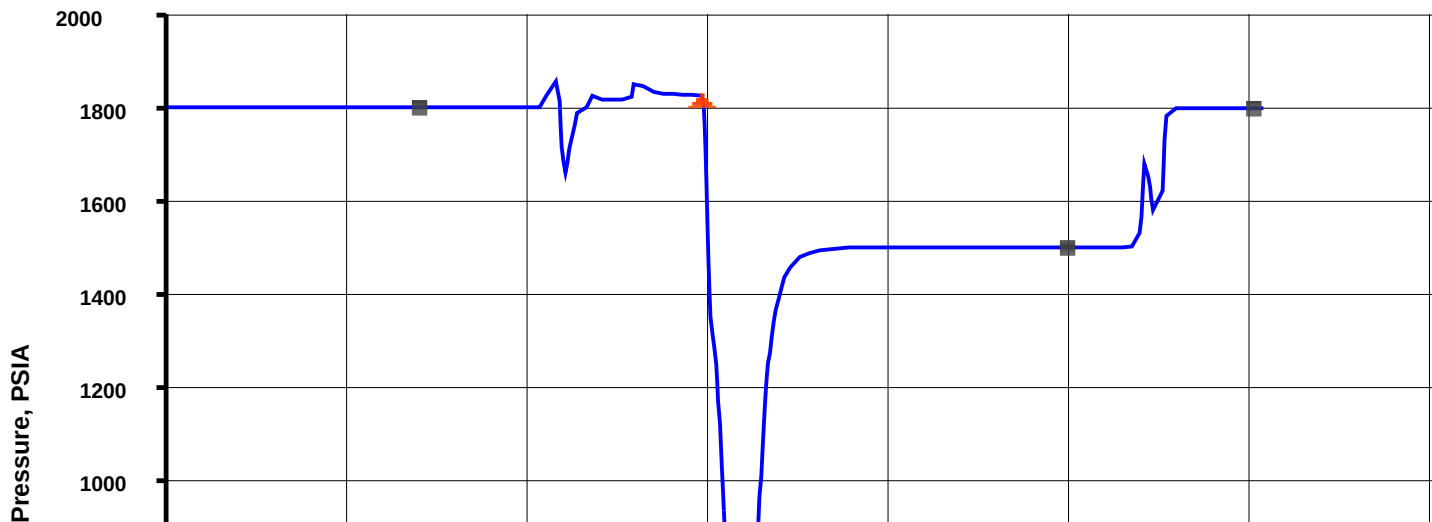
DEFAULT	MDT_135LTP	FN:186	PRODUCER	19-Oct-2011 15:54
BACKUP	MDT_135LTP	FN:187	PRODUCER	19-Oct-2011 15:58

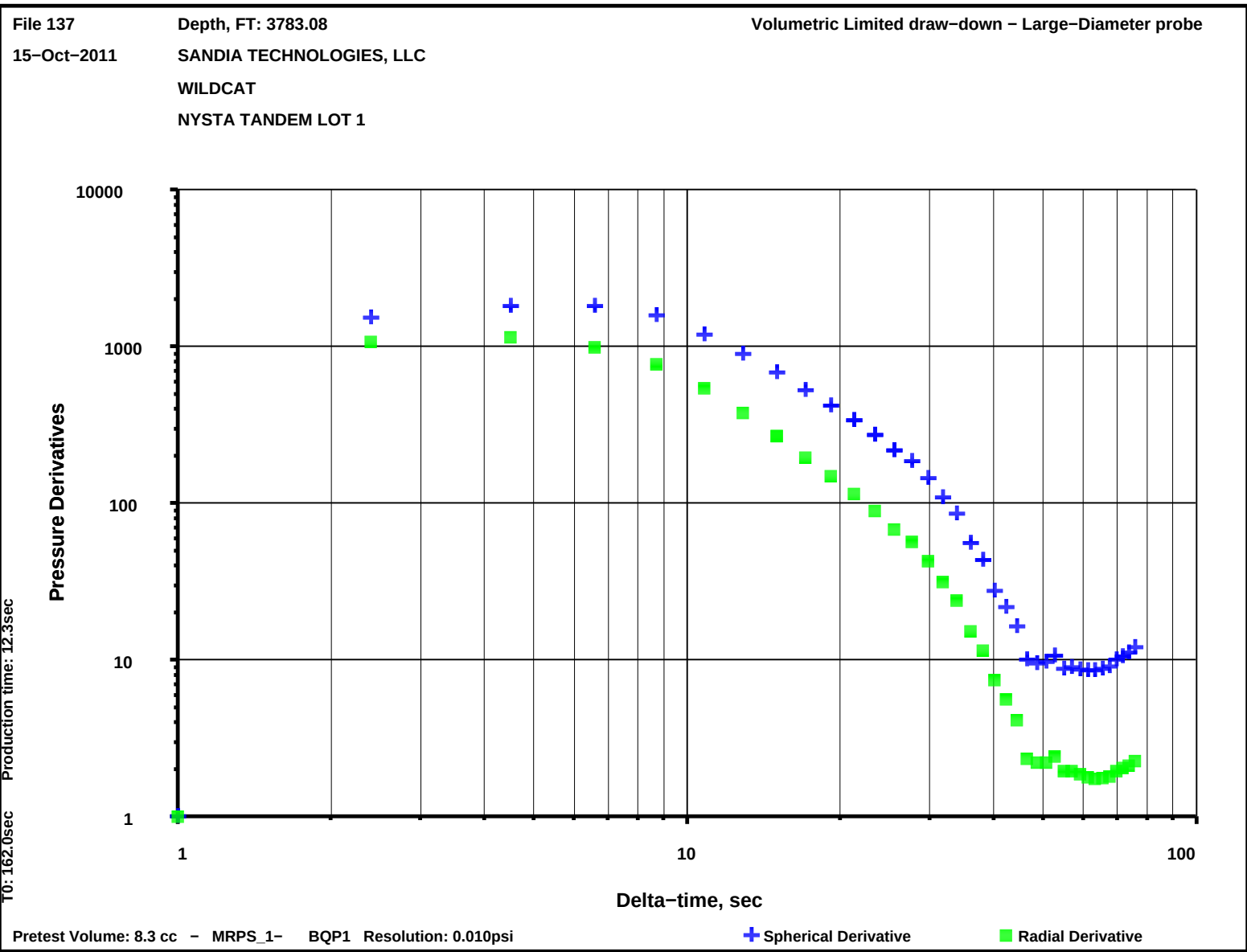
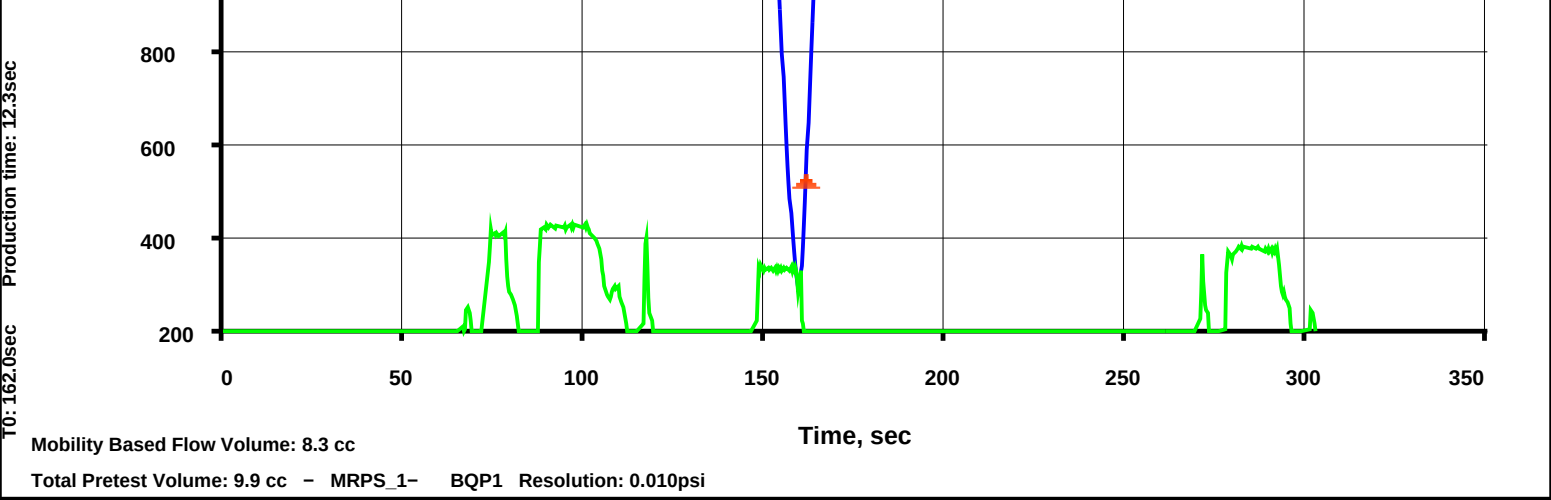
Schlumberger

Pressure Test 3783.1 ft

MAXIS Field Log

File 137	Depth, FT: 3783.08	Volumetric Limited draw-down - Large-Diameter probe
15-Oct-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA: 1799.72
	WILDCAT	Mud Pressure after test, PSIA: 1797.63
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA: 1499.69
		Draw-down mobility, md/cp: 1.6





Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

Output DLIS Files					
DEFAULT	MDT_137LTP	FN:190	PRODUCER	19-Oct-2011 16:02	3783.1 FT
BACKUP	MDT_137LTP	FN:191	PRODUCER	19-Oct-2011 16:06	3783.1 FT

Elapsed Time (s)	Event Summary
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273.3	Retract Single Probe Module (MRPS) 1
143.7	Vert Pretest 9.9 cc @ 60 C3/M Single Probe Module (MRPS) 1
83.4	Probe Set @ 3783.1 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)						
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRHY 1 Motor Speed (HMS1) (RPM)				
0 1000		0 8000				
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		MRPOUD Solenoid 3 Status (POUDS3)	Resistivity Cell Temperature (B1TR) (DEGF)			
0 150		5 (----) 0				
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
0 10000				0 100	0 10	0 1
Retract		6.8 00:05:15	78.8 1797.60			
		6.8 00:05:06	78.8 1797.60			
		6.9 00:04:57	78.8 1797.59			
		7.0 00:04:48	78.9 1797.77			
		7.7 00:04:39	78.8 1797.68			
		6.9 00:04:30	78.8 1644.42			
		6.7 00:04:21	78.8 1499.78			
		6.7 00:04:12	78.8 1499.70			
		6.7 00:04:03	78.8 1499.68			
		6.7 00:03:54	78.8 1499.67			
		6.7 00:03:45	78.8 1499.65			
		6.7 00:03:36	78.8 1499.62			
		6.7 00:03:27	78.8 1499.57			
		6.7 00:03:18	78.8 1499.42			
		6.7 00:03:09	78.8 1498.21			
		6.7 00:03:00	78.8 1491.74			
		6.8 00:02:51	78.7 1435.47			
Vert Pretest 9.9 cc @ 60 C3/M		6.8 00:02:42	78.7 589.64			
		6.9 00:02:33	78.9 1120.39			
		6.8 00:02:24	78.9 1826.82			
		6.8 00:02:15	78.9 1831.08			
		6.8 00:02:06	78.9 1816.41			
		6.9 00:01:57	78.9 1800.69			
		7.0 00:01:48	78.9 1869.05			
		6.8 00:01:39	78.9 1799.47			
		6.9 00:01:30	78.9 1799.53			
Probe Set @ 3783.1 FT		6.8 00:01:21	78.9 1799.51			
		6.9 00:01:12	78.9 1799.73			
		6.7 00:01:03	78.9 1799.73			
		6.7 00:00:54	78.9 1799.82			
		6.7 00:00:45	78.9 1799.91			
		6.7 00:00:36	78.9 1800.01			
		6.7 00:00:27	78.9 1800.11			
		6.7 00:00:18	78.9 1800.21			
		6.7 00:00:09	78.9 1800.33			
		6.7 00:00:00	78.9 1800.43			
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
0 10000				0 100	0 10	0 1

MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		150	MRPOUD Solenoid 3 Status (POUDS3) 5 (-----) 0	Resistivity Cell Temperature (B1TR) (DEGF)
MRPOUD Hydraulic Pump Output Volume (POUDPV) ----- 0 (C3) 1000			MRHY 1 Motor Speed (HMS1) (RPM) ----- 0 8000	
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 16:02

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

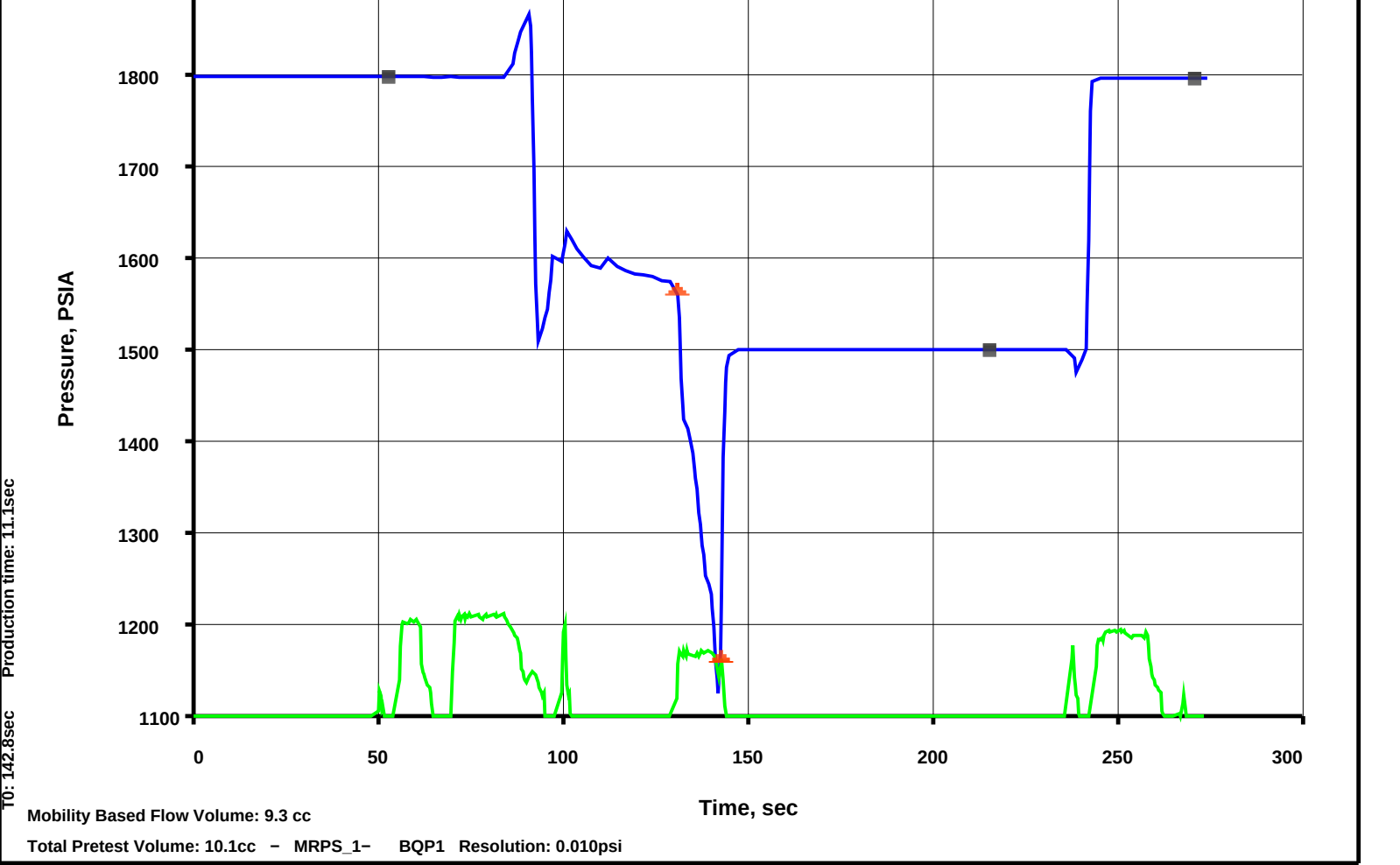
DEFAULT	MDT_137LTP	FN:190	PRODUCER	19-Oct-2011 16:02
BACKUP	MDT_137LTP	FN:191	PRODUCER	19-Oct-2011 16:06

Schlumberger

Pressure Test
3782.4 ft

MAXIS Field Log

File 139	Depth, FT: 3782.36	Volumetric Limited draw-down - Large-Diameter probe		
15-Oct-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA:	1795.94	
	WILDCAT	Mud Pressure after test, PSIA:	1794.52	
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA:	1498.85	
		Draw-down mobility, md/cp:	9.6	



Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

Output DLIS Files					
DEFAULT	MDT_139LTP	FN:194	PRODUCER	19-Oct-2011 16:10	3782.4 FT
BACKUP	MDT_139LTP	FN:195	PRODUCER	19-Oct-2011 16:13	3782.4 FT

Elapsed Time (s)	Event Summary
240.0	Retract Single Probe Module (MRPS) 1
126.3	Vert Pretest 10.1 cc @ 60 C3/M Single Probe Module (MRPS) 1
66.0	Probe Set @ 3782.4 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)	MRHY 1 Motor Speed (HMS1) (RPM)
MRPS 1 Resistivity Cell Temperature (R1TP)	MRPOUD Solenoid 3 Status
Resistivity Cell Temperature	

Parameters			
DLIS Name	Description	Value	
MRPS_1: Single Probe Module (MRPS) 1			
PDCO	Probe Depth Correction Offset	0	FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH	
QGDA	Quartz Gauge Deviation Angle	0	DEG

QGFD	Quartz Gauge Flow Line Density	1	G/C3
MRHY_1: Hydraulic Module (MRHY) 1			
PDCO	Probe Depth Correction Offset	0	FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)			
PDCO	Probe Depth Correction Offset	0	FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366	
MRMS_1: MDT Multi-Sample (MRMS) 1			
PDCO	Probe Depth Correction Offset	0	FT
MRPC: Power Cartridge			
PDCO	Probe Depth Correction Offset	0	FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 16:10

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

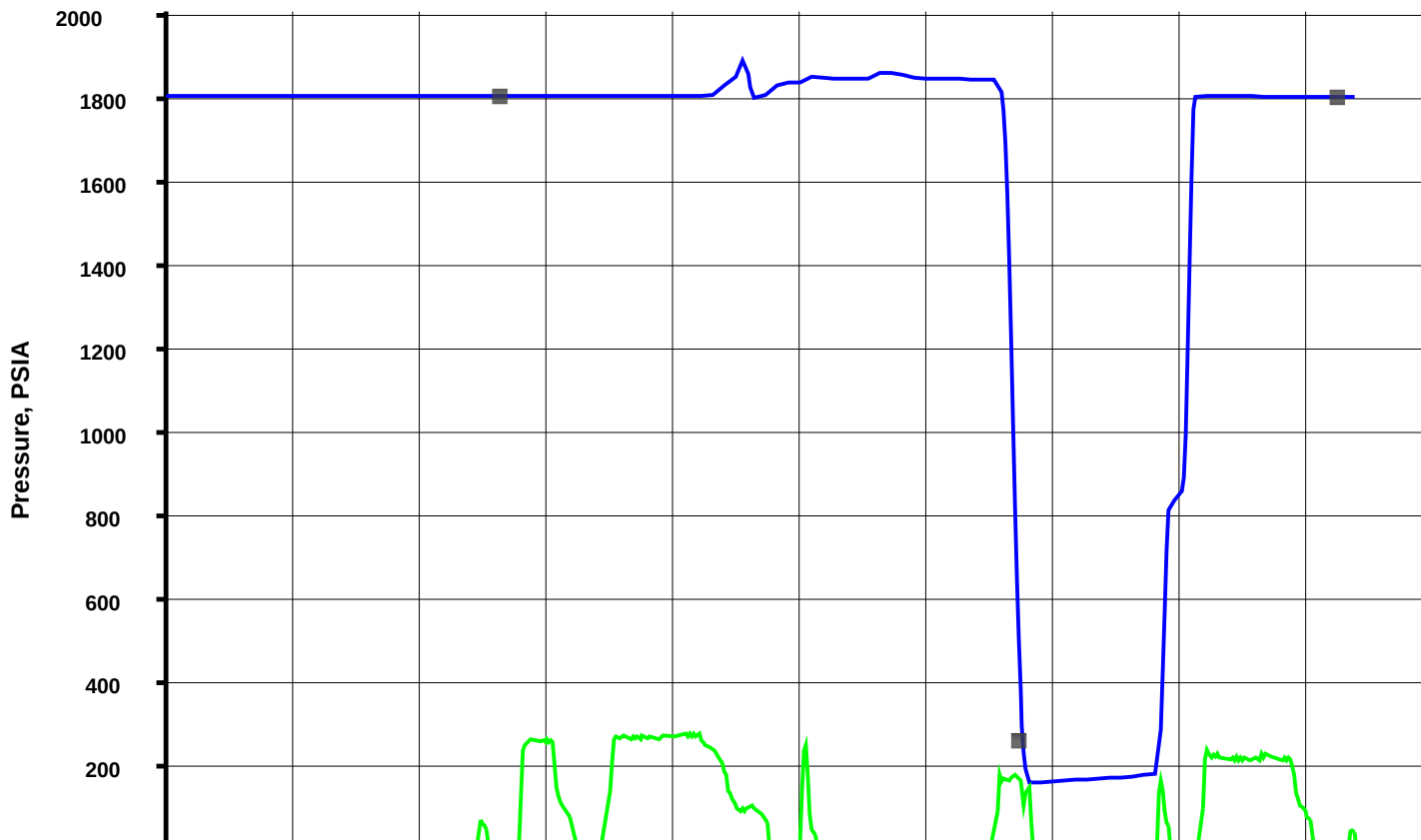
DEFAULT	MDT_139LTP	FN:194	PRODUCER	19-Oct-2011 16:10
BACKUP	MDT_139LTP	FN:195	PRODUCER	19-Oct-2011 16:13

Schlumberger

Pressure Test
3786.0 ft

MAXIS Field Log

File 140 Depth, FT: 3786.03 Dry Test - Large-Diameter probe
15-Oct-2011 SANDIA TECHNOLOGIES, LLC Mud Pressure before test, PSIA: 1797.67
WILDCAT Mud Pressure after test, PSIA: 1796.36
NYSTA TANDEM LOT 1 Last build-up pressure, PSIA: 261.59

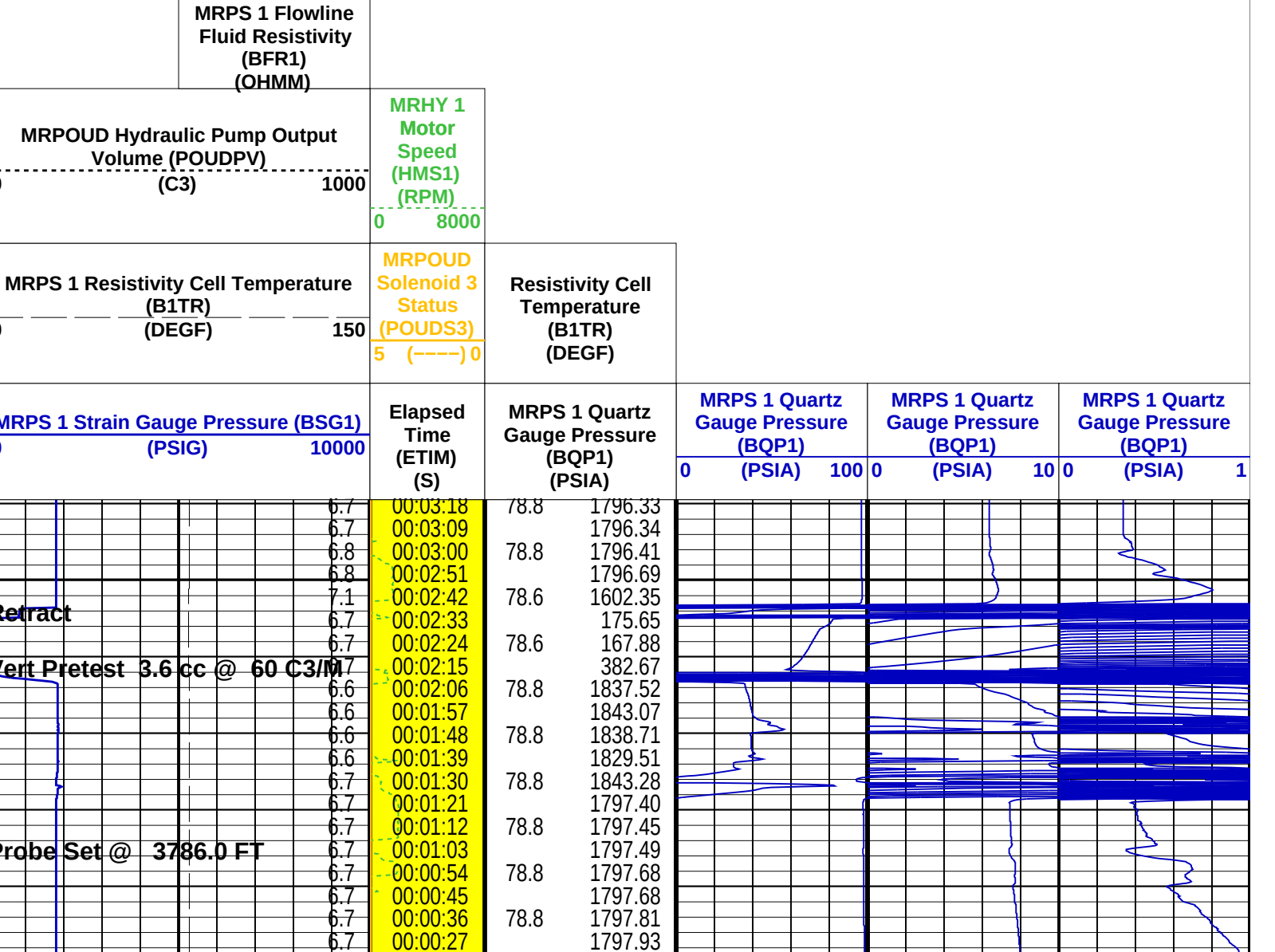


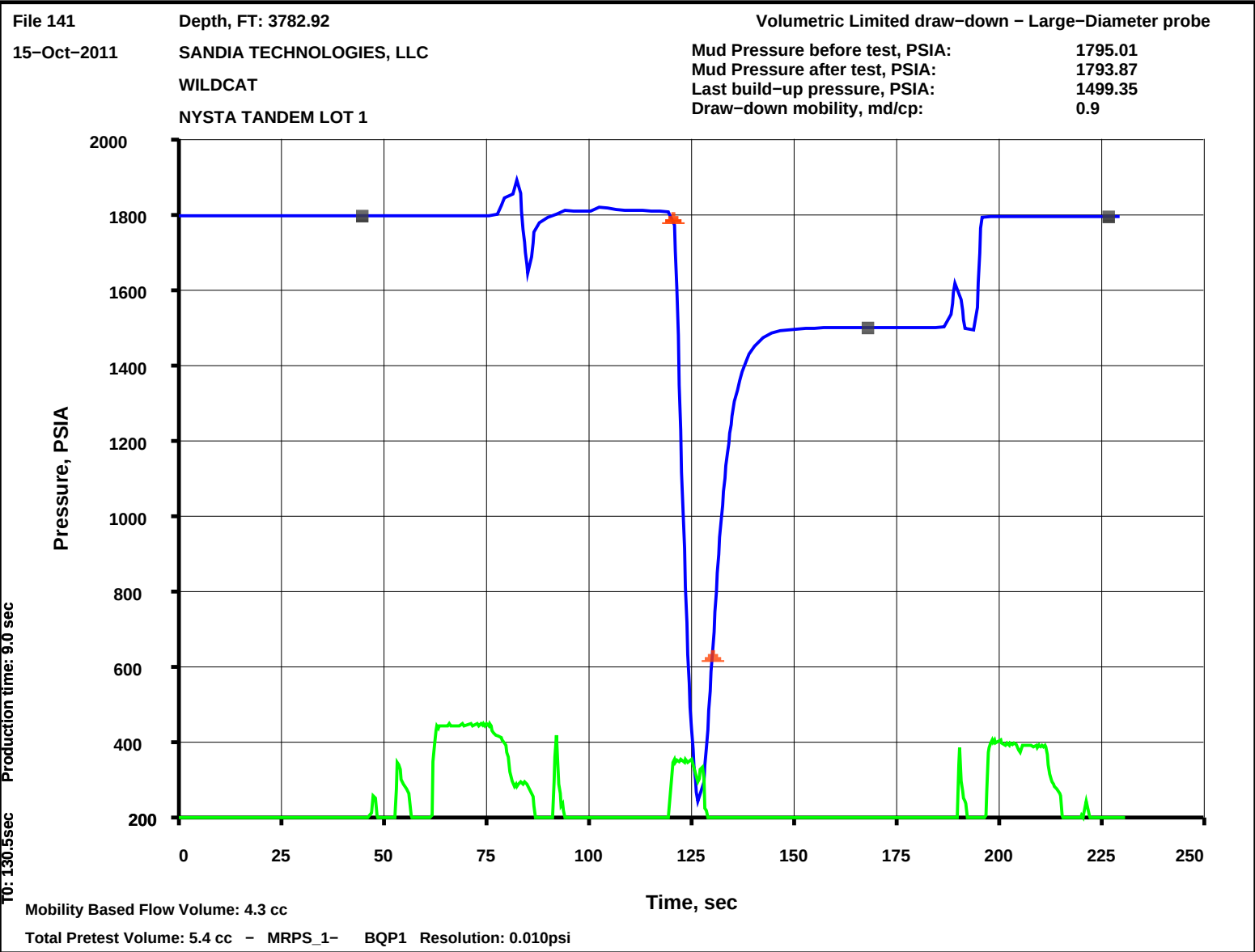
Output DLIS Files					
DEFAULT	MDT_140LTP	FN:196	PRODUCER	19-Oct-2011 16:16	3786.0 FT
BACKUP	MDT_140LTP	FN:197	PRODUCER	19-Oct-2011 16:20	3786.0 FT

Elapsed Time (s)	Event Summary
159.3	Retract Single Probe Module (MRPS) 1
126.6	Vert Pretest 3.6 cc @ 60 C3/M Single Probe Module (MRPS) 1
66.0	Probe Set @ 3786.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S





Company: SANDIA TECHNOLOGIES, LLC

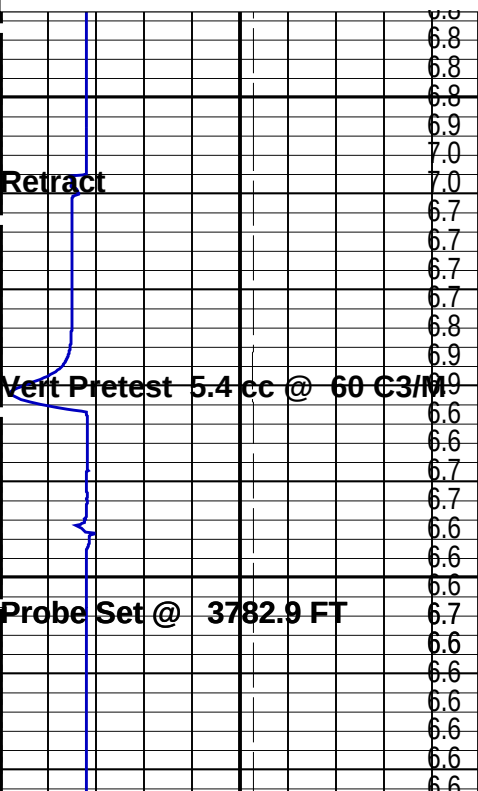
Well: NYSTA TANDEM LOT 1

Output DLIS Files					
DEFAULT	MDT_141LTP	FN:198	PRODUCER	19-Oct-2011 16:22	3782.9 FT
BACKUP	MDT_141LTP	FN:199	PRODUCER	19-Oct-2011 16:26	3782.9 FT

Elapsed Time (s)	Event Summary
192.6	Retract Single Probe Module (MRPS) 1
115.8	Vert Pretest 5.4 cc @ 60 C3/M Single Probe Module (MRPS) 1
57.9	Probe Set @ 3782.9 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S		
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	
MRPS 1 Hydraulic Pump Output		MRHY 1 Motor

MRPOUD Hydraulic Pump Output Volume (POUDPV) 0-----1000 (C3)		Motor Speed (HMS1) (RPM) 0-----8000							
MRPS 1 Resistivity Cell Temperature (B1TR) 0-----150 (DEGF)		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPS 1 Strain Gauge Pressure (BSG1) 0-----10000 (PSIG)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0-----100		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0-----10		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0-----1	
									
MRPS 1 Strain Gauge Pressure (BSG1) 0-----10000 (PSIG)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0-----100		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0-----10		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0-----1	
MRPS 1 Resistivity Cell Temperature (B1TR) 0-----150 (DEGF)		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPOUD Hydraulic Pump Output Volume (POUDPV) 0-----1000 (C3)		MRHY 1 Motor Speed (HMS1) (RPM) 0-----8000							
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)									

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MRPS 1: Single Probe Module (MRPS) 1		

PDCO	MRHY_1: Single Probe Module (MRHY) 1	Probe Depth Correction Offset	0	FT
QGCA		Quartz Gauge Pressure Correction Applied	BOTH	
QGDA		Quartz Gauge Deviation Angle	0	DEG
QGFD		Quartz Gauge Flow Line Density	1	G/C3
MRHY_1: Hydraulic Module (MRHY) 1				
PDCO		Probe Depth Correction Offset	0	FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)				
PDCO		Probe Depth Correction Offset	0	FT
POUDDISPVOL		MRPOUD Displacement Unit Stroke Volume	366	
MRMS_1: MDT Multi-Sample (MRMS) 1				
PDCO		Probe Depth Correction Offset	0	FT
MRPC: Power Cartridge				
PDCO		Probe Depth Correction Offset	0	FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 16:22

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_141LTP	FN:198	PRODUCER	19-Oct-2011 16:22
BACKUP	MDT_141LTP	FN:199	PRODUCER	19-Oct-2011 16:26

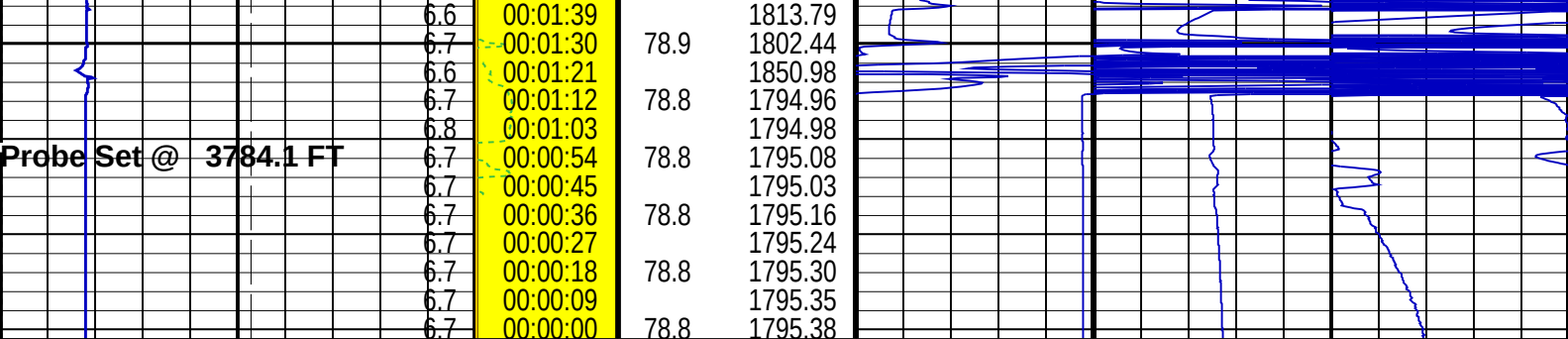
Schlumberger

Pressure Test 3784.1 ft

MAXIS Field Log

File 142 Depth, FT: 3784.07 Volumetric Limited draw-down - Large-Diameter probe
15-Oct-2011 SANDIA TECHNOLOGIES, LLC Mud Pressure before test, PSIA: 1795.08
WILDCAT Mud Pressure after test, PSIA: 1794.22
NYSTA TANDEM LOT 1 Last build-up pressure, PSIA: 730.86
Draw-down mobility, md/cp: 0.2





MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 100		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 10		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 1	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 0 150		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3) 0 1000		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000							
	MRPS 1 Flowline Fluid Resistivity (BFR1) (QHMM)								

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 16:28

OP System Version: 19C0-187

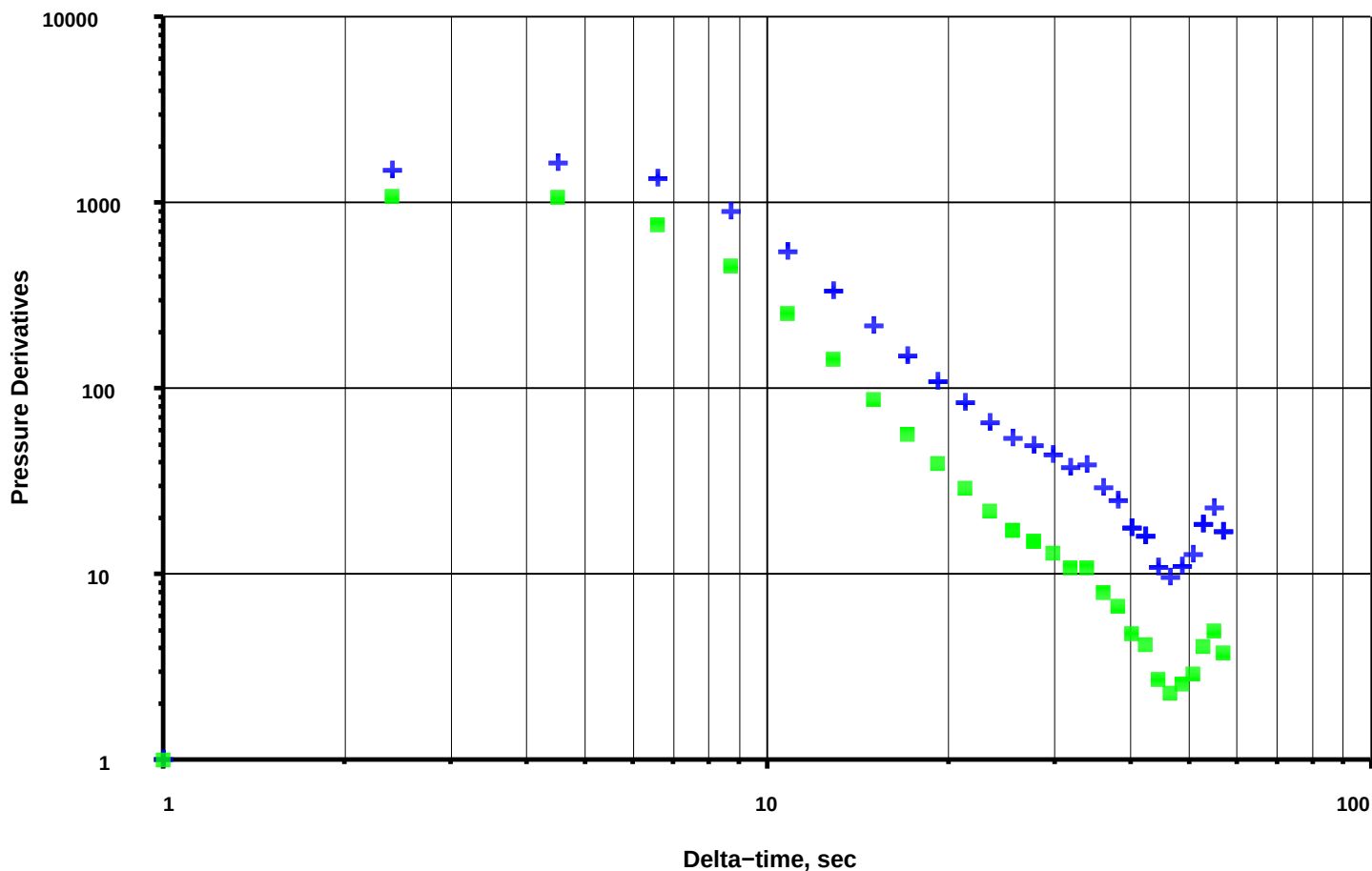
MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_142LTP	FN:200	PRODUCER	19-Oct-2011 16:28
BACKUP	MDT_142LTP	FN:201	PRODUCER	19-Oct-2011 16:31

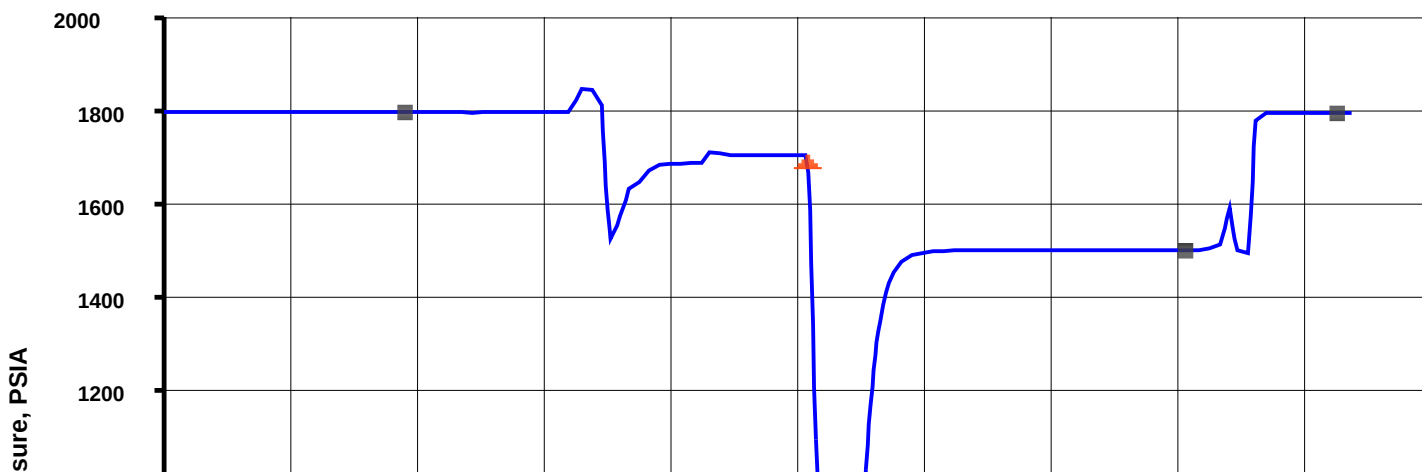
MAXIS Field Log

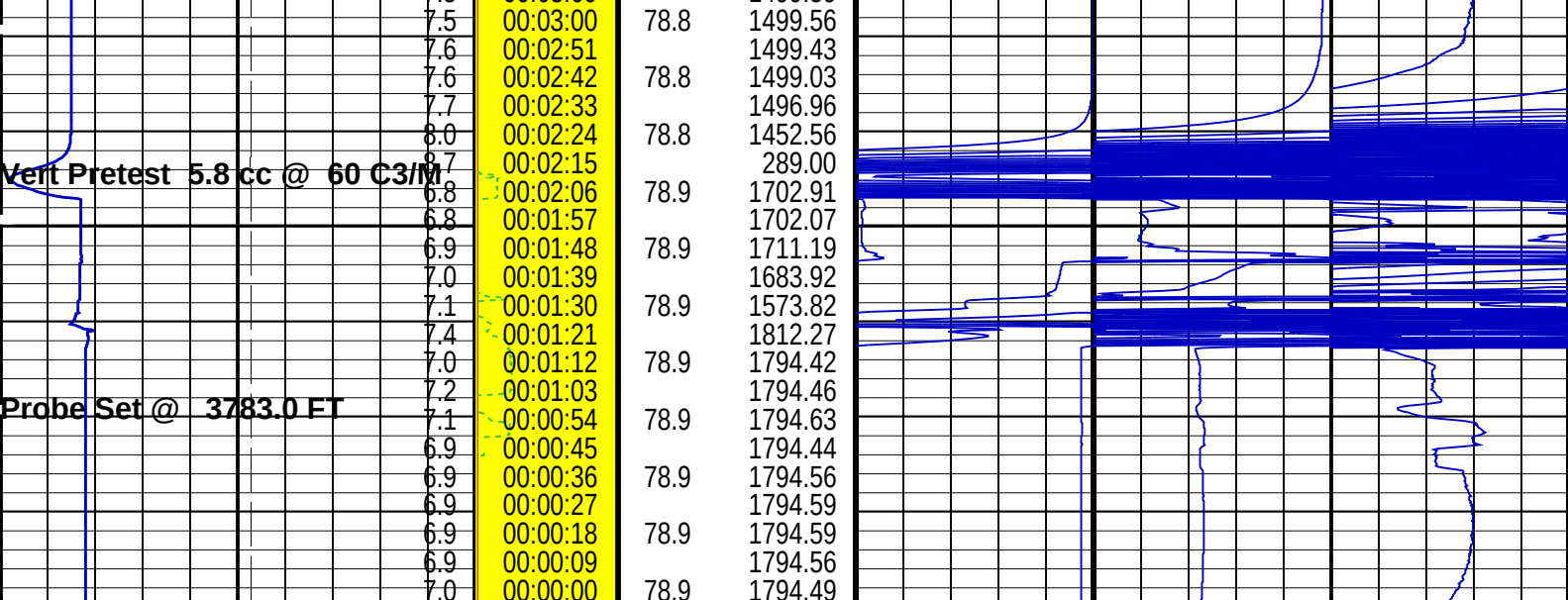
File 143 Depth, FT: 3783.00 Volumetric Limited draw-down – Large-Diameter probe
15-Oct-2011 SANDIA TECHNOLOGIES, LLC
WILDCAT
NYSTA TANDEM LOT 1



File 143 Depth, FT: 3783.00 Volumetric Limited draw-down – Large-Diameter probe
15-Oct-2011 SANDIA TECHNOLOGIES, LLC
WILDCAT
NYSTA TANDEM LOT 1

Mud Pressure before test, PSIA: 1794.57
Mud Pressure after test, PSIA: 1793.57
Last build-up pressure, PSIA: 1499.68
Draw-down mobility, md/cp: 1.1





MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 100		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 10		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 1	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 0 150		MRPOUD Solenoid 3 Status (POUDS3) 5 (-----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3) 0 1000		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000							
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)								

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S

Graphics File Created: 19-Oct-2011 16:33

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

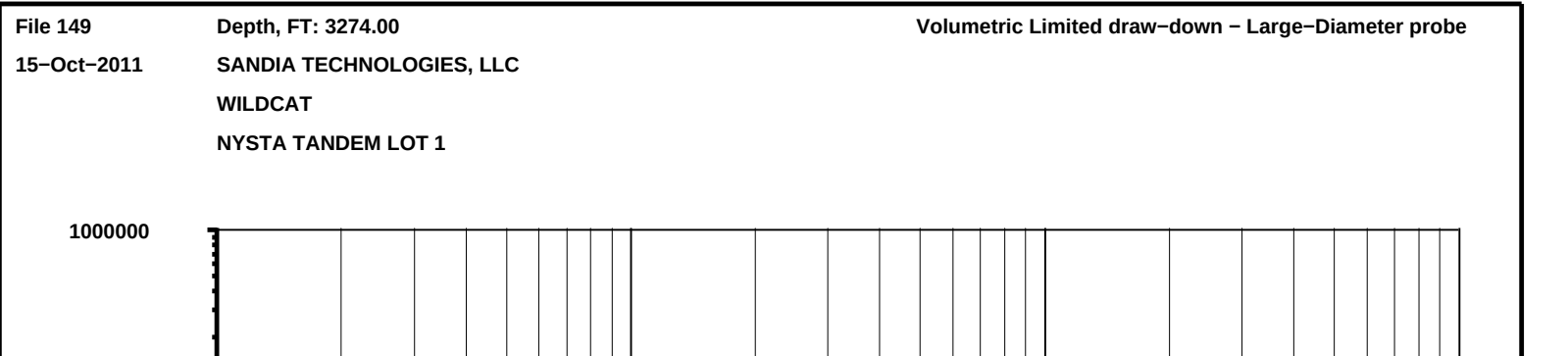
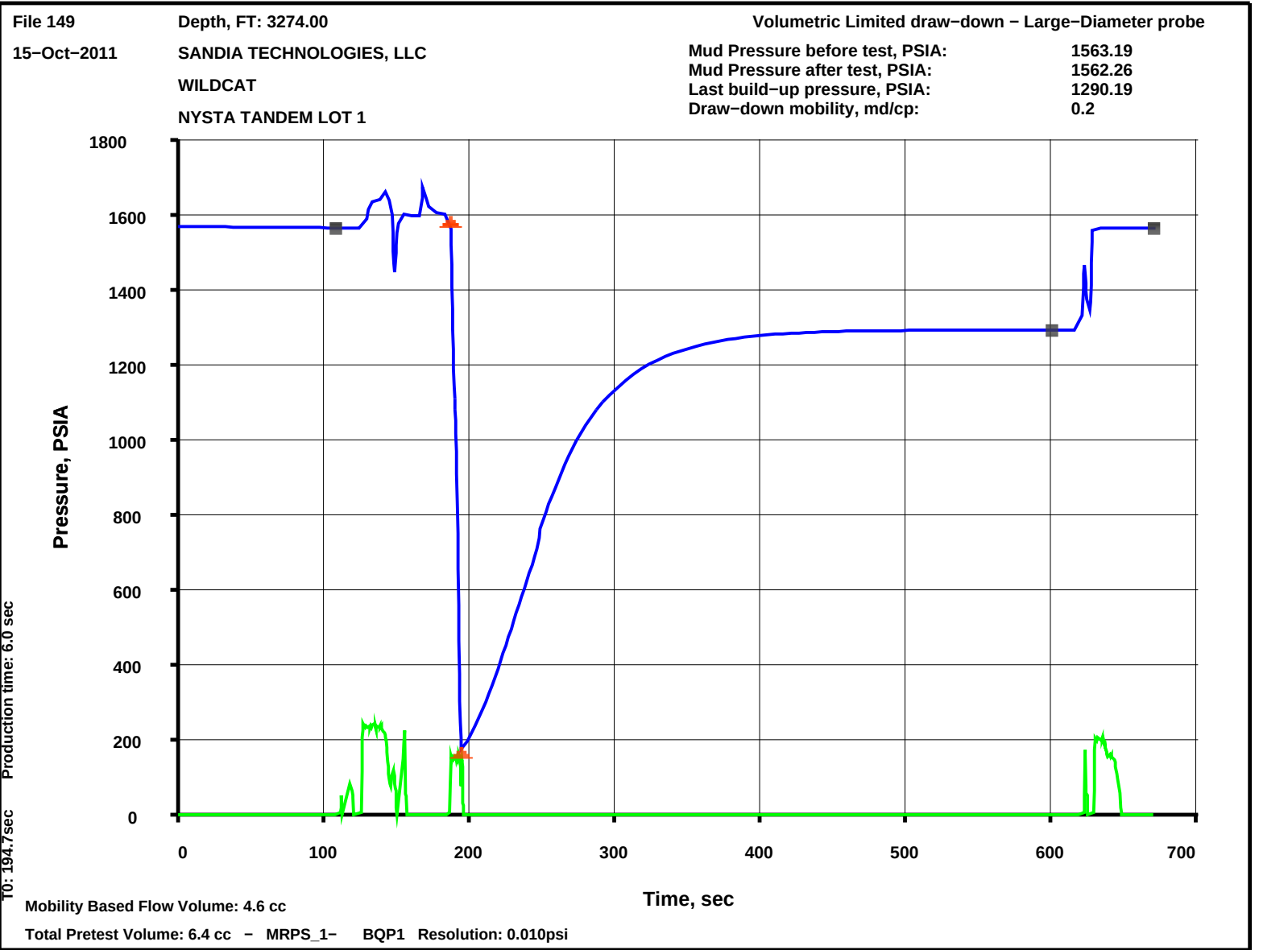
Output DLIS Files

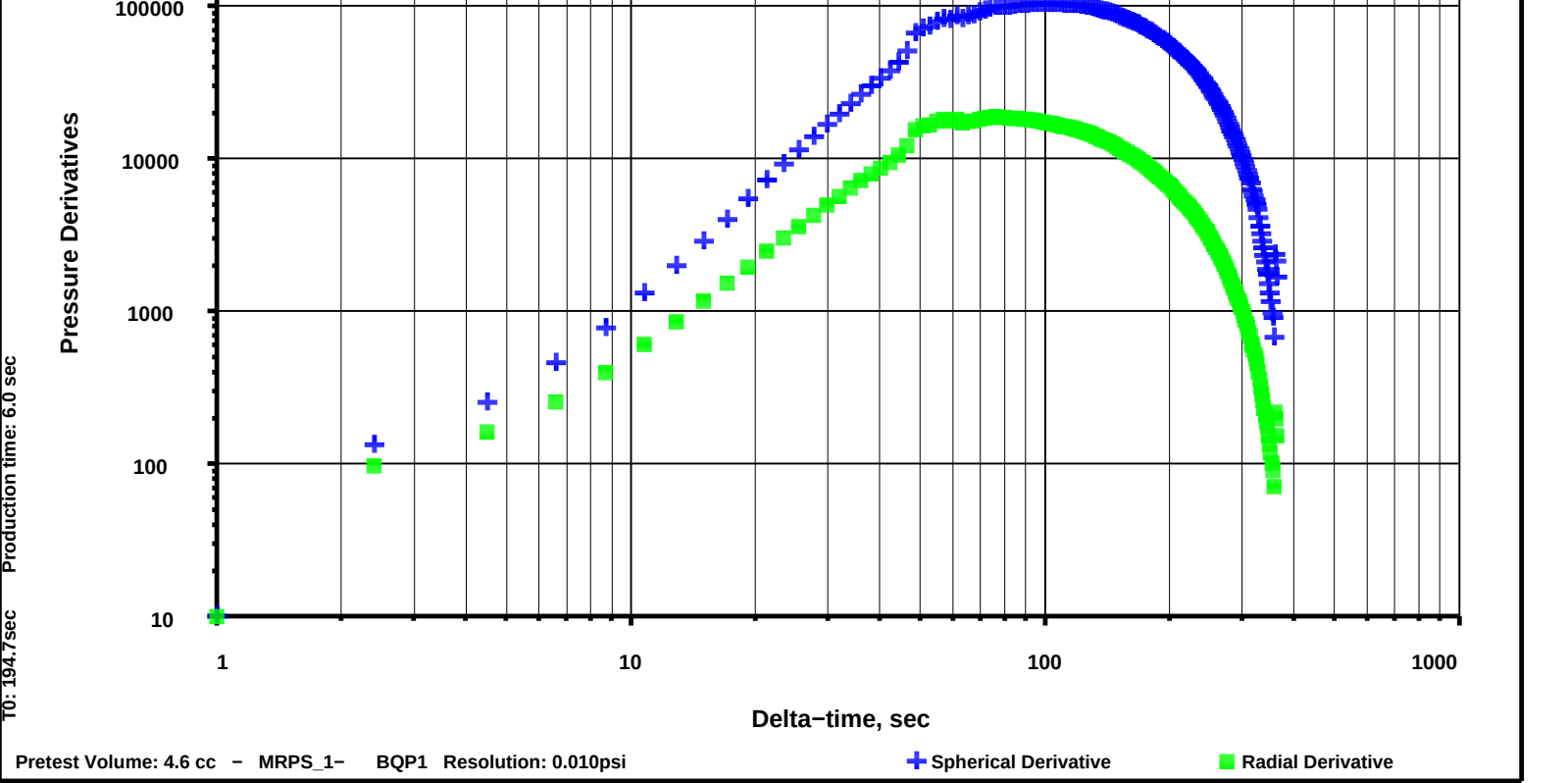
DEFAULT	MDT_143LTP	FN:202	PRODUCER	19-Oct-2011 16:33
BACKUP	MDT_143LTP	FN:203	PRODUCER	19-Oct-2011 16:36



Pressure Test 3274.0 ft

MAXIS Field Log





Company: SANDIA TECHNOLOGIES, LLC

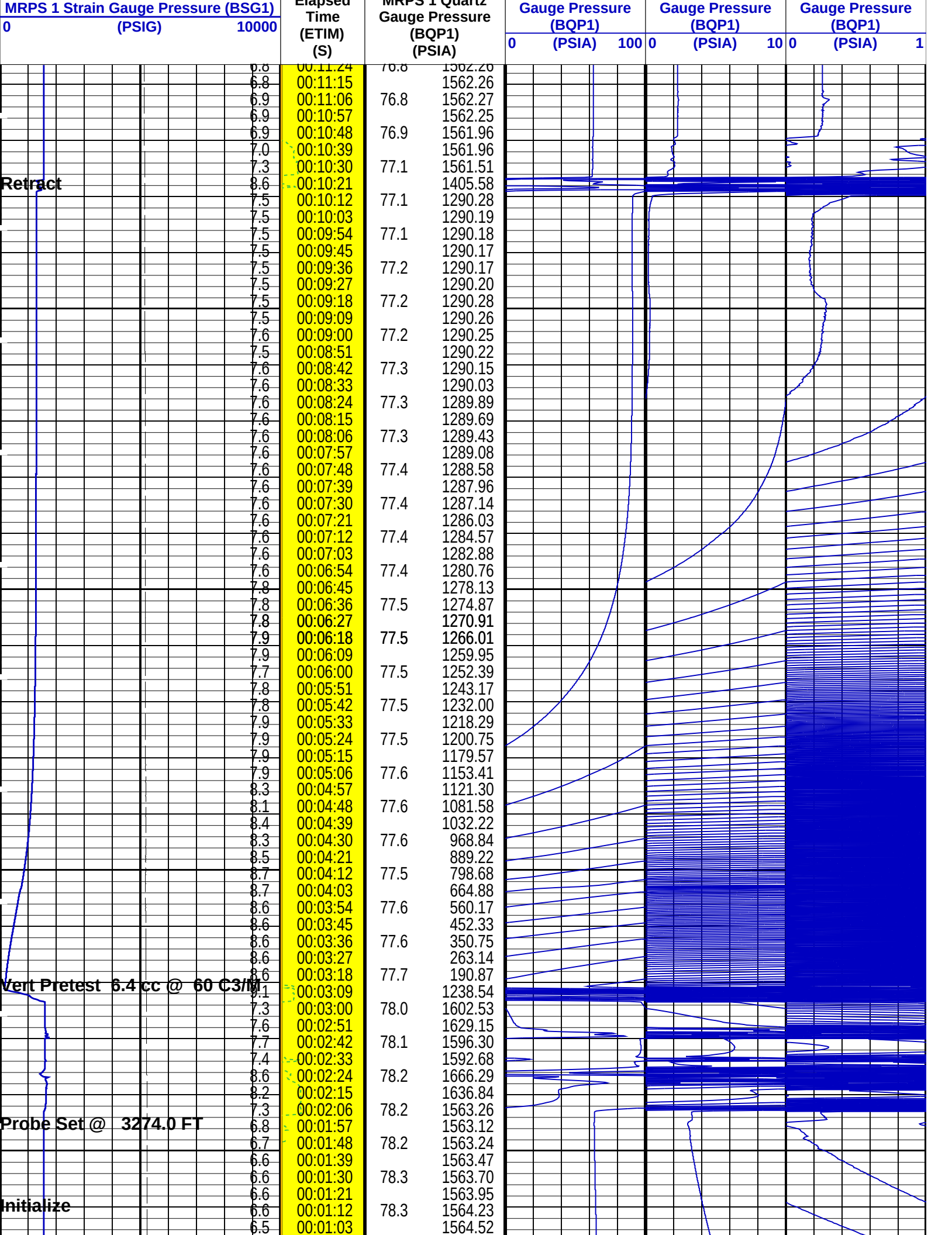
Well: NYSTA TANDEM LOT 1

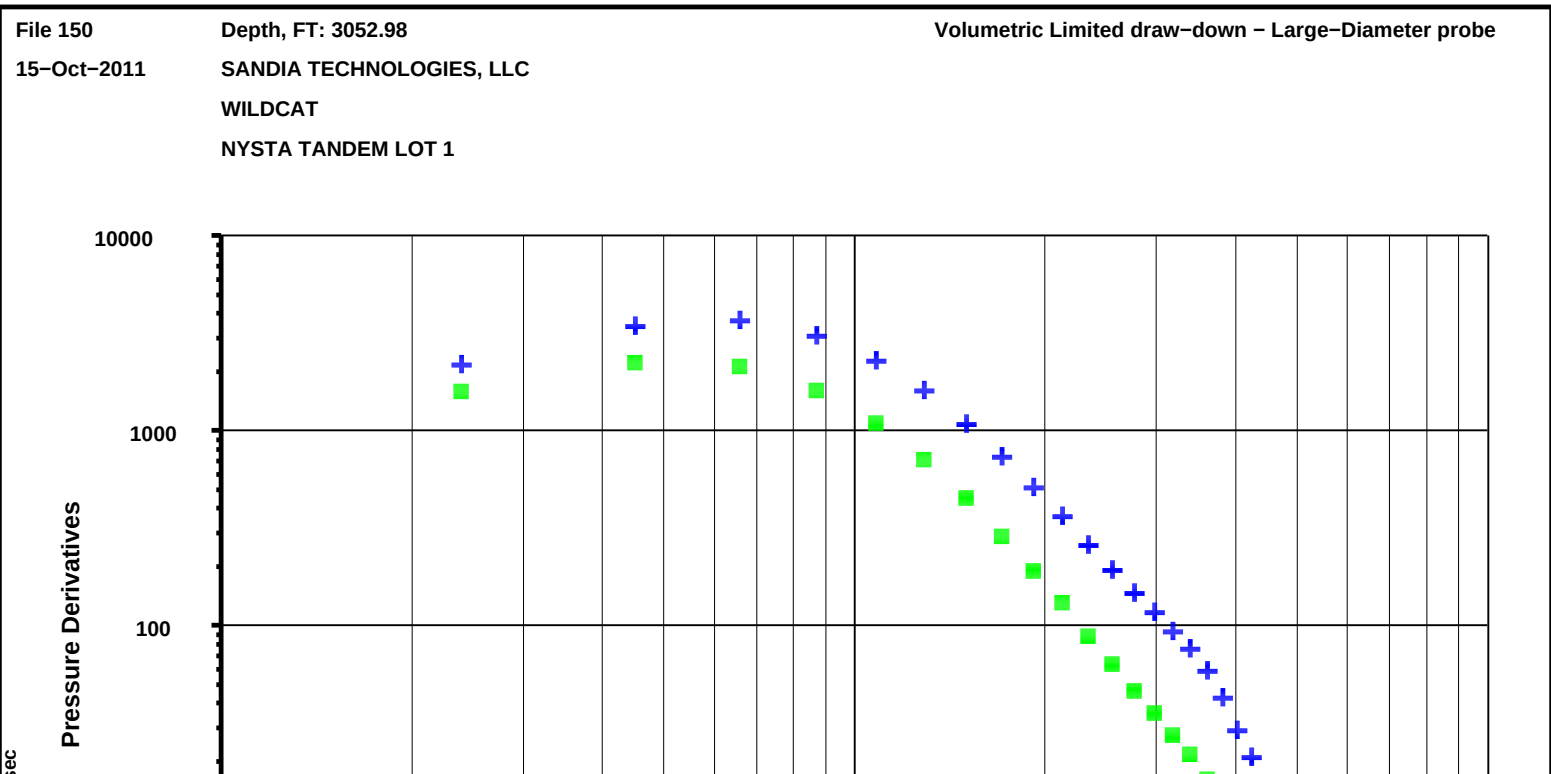
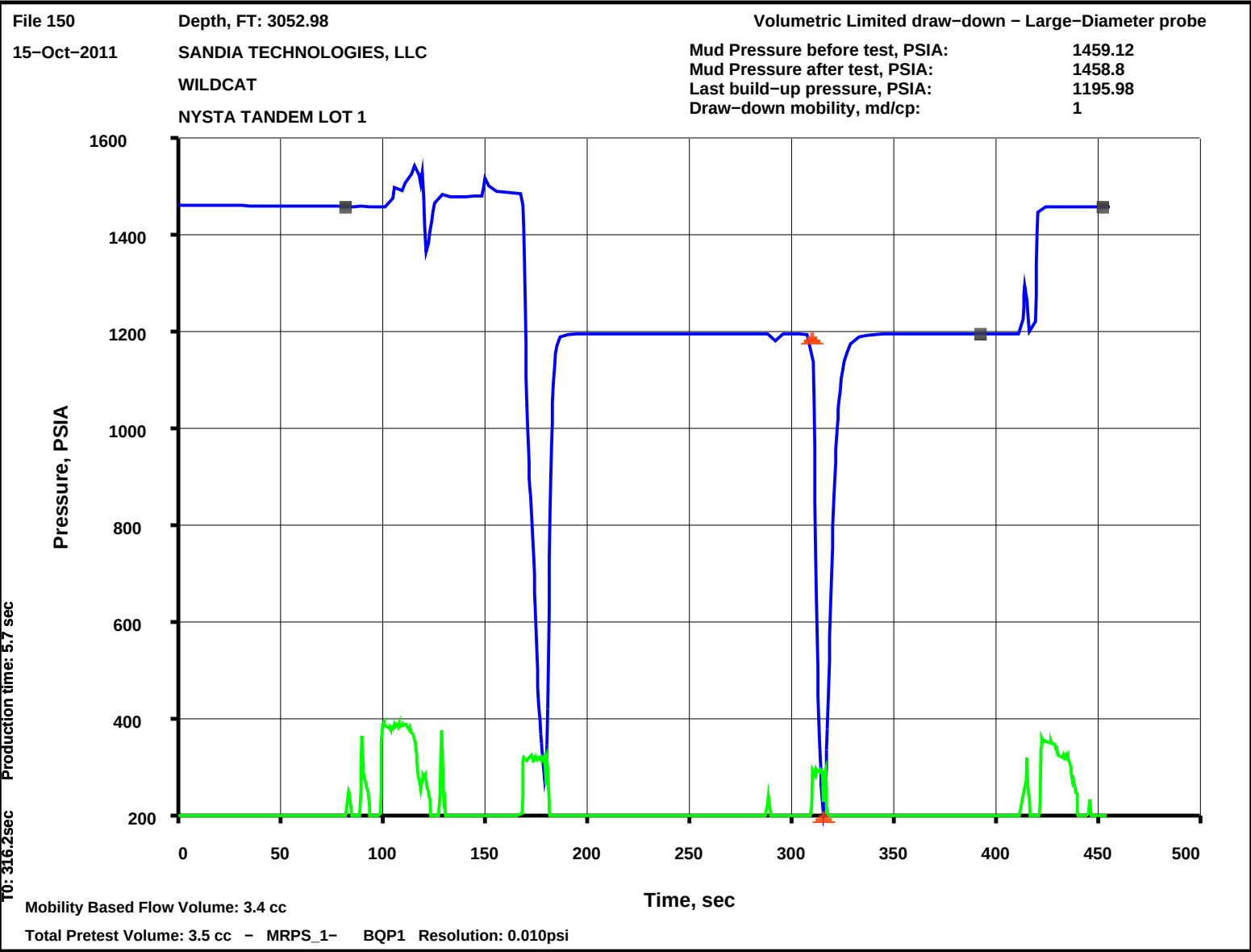
Output DLIS Files					
DEFAULT	MDT_149LTP	FN:214	PRODUCER	19-Oct-2011 16:50	3274.0 FT
BACKUP	MDT_149LTP	FN:215	PRODUCER	19-Oct-2011 16:54	3274.0 FT

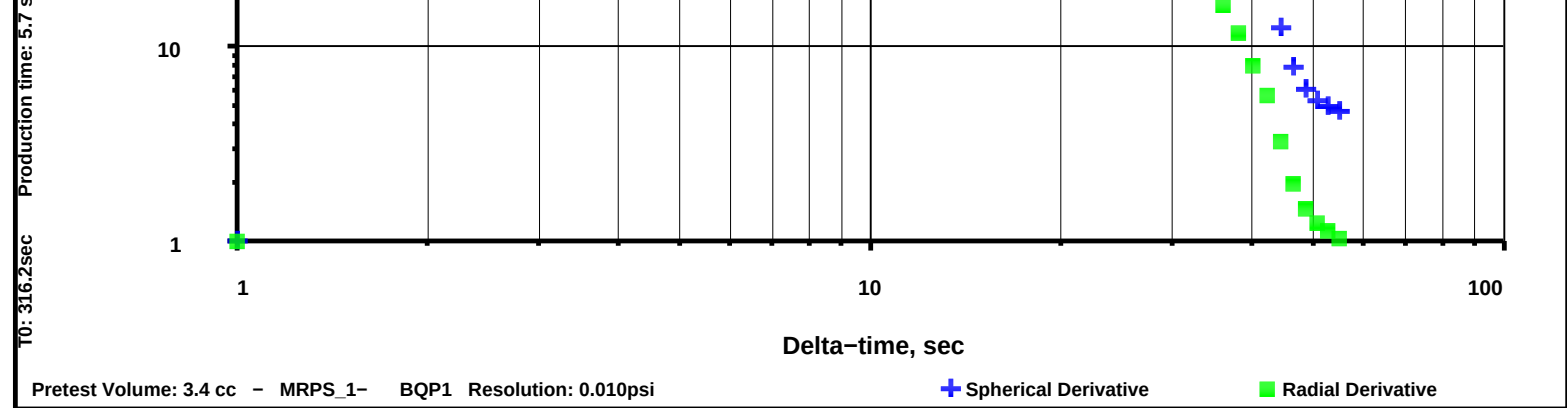
Elapsed Time (s)	Event Summary
624.3	Retract Single Probe Module (MRPS) 1
182.1	Vert Pretest 6.4 cc @ 60 C3/M Single Probe Module (MRPS) 1
121.8	Probe Set @ 3274.0 FT Single Probe Module (MRPS) 1
78.3	Initialize MDT Multi-Sample (MRMS) 1

PIP SUMMARY

Time Mark Every 60 S						
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)						
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRHY 1 Motor Speed (HMS1) (RPM)				
0-----1000		0-----8000				
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		MRPOUD Solenoid 3 Status (POUDS3)				
0-----150		5 (-----) 0				
		Elapsed	MRPS 1 Quartz	MRPS 1 Quartz	MRPS 1 Quartz	MRPS 1 Quartz







Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

Output DLIS Files

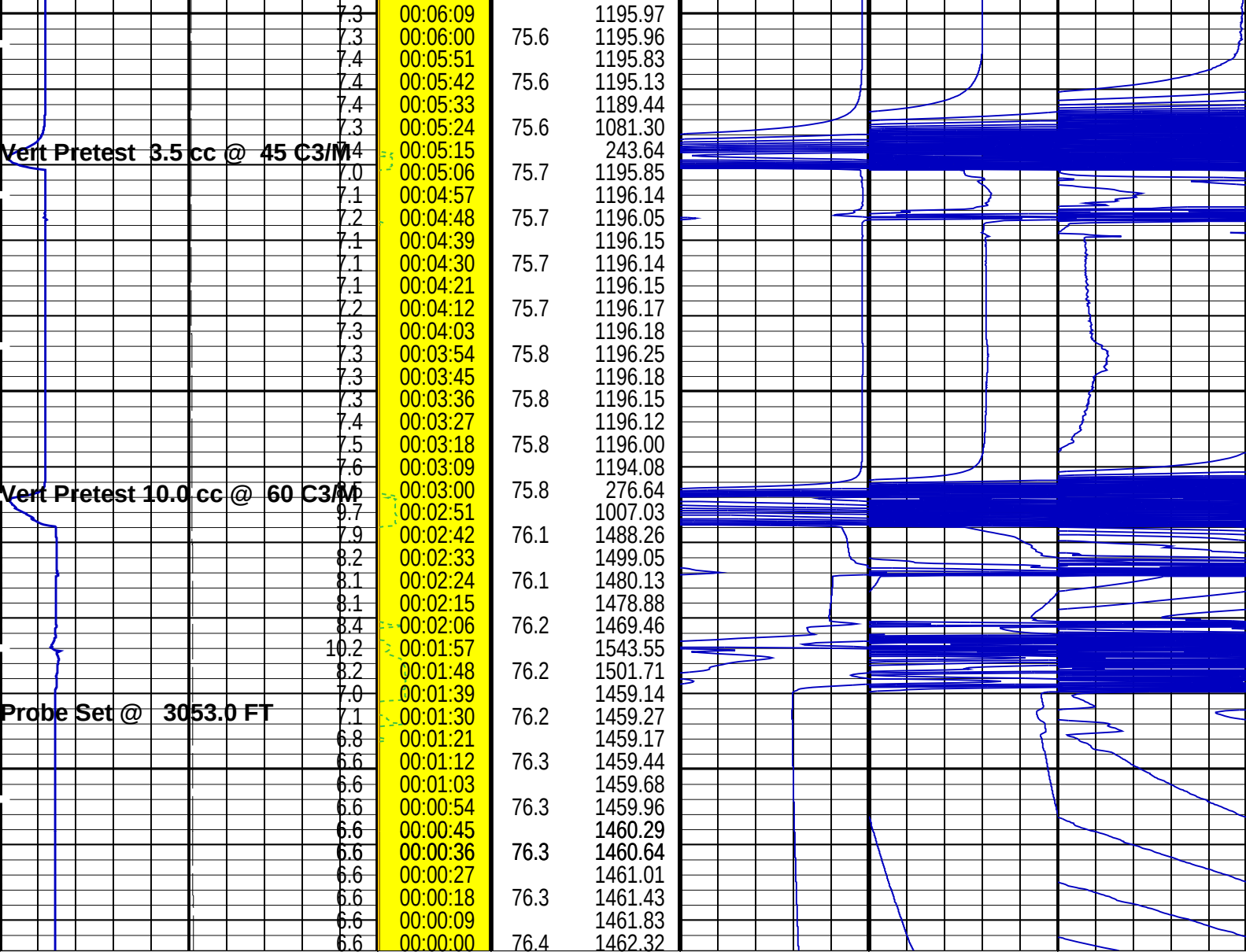
DEFAULT	MDT_150LTP	FN:216	PRODUCER	19-Oct-2011 17:07	3053.0 FT
BACKUP	MDT_150LTP	FN:217	PRODUCER	19-Oct-2011 17:11	3053.0 FT

Elapsed Time (s)	Event Summary
417.6	Retract Single Probe Module (MRPS) 1
305.4	Vert Pretest 3.5 cc @ 45 C3/M Single Probe Module (MRPS) 1
163.8	Vert Pretest 10.0 cc @ 60 C3/M Single Probe Module (MRPS) 1
95.1	Probe Set @ 3053.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)	MRHY 1 Motor Speed (HMS1) (RPM)	MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)	Resistivity Cell Temperature (B1TR) (DEGF)	MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
0	0	0	0	5	0	0	0	0	0
1000	1000	8000	150	0	10000		100	10	1
Retract						00:07:40	75.3	1458.80	
						00:07:39	75.3	1458.80	
						00:07:30	75.3	1458.79	
						00:07:21	75.4	1458.60	
						00:07:12	75.4	1458.76	
						00:07:03	75.5	1458.37	
						00:06:54	75.5	1275.37	
						00:06:45	75.5	1196.02	
						00:06:36	75.5	1195.98	
						00:06:27	75.5	1195.97	
						00:06:18	75.5	1195.97	



MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 100		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 10		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 1	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 0 150		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3) 0 1000		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000							
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)								

PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT

QGCA	Quartz Gauge Pressure Correction Applied	BOTH	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1	G/C3
MRHY_1:	Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0	FT
MRPO_UD:	Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0	FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366	
MRMS_1:	MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0	FT
MRPC:	Power Cartridge		
PDCO	Probe Depth Correction Offset	0	FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 17:07

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

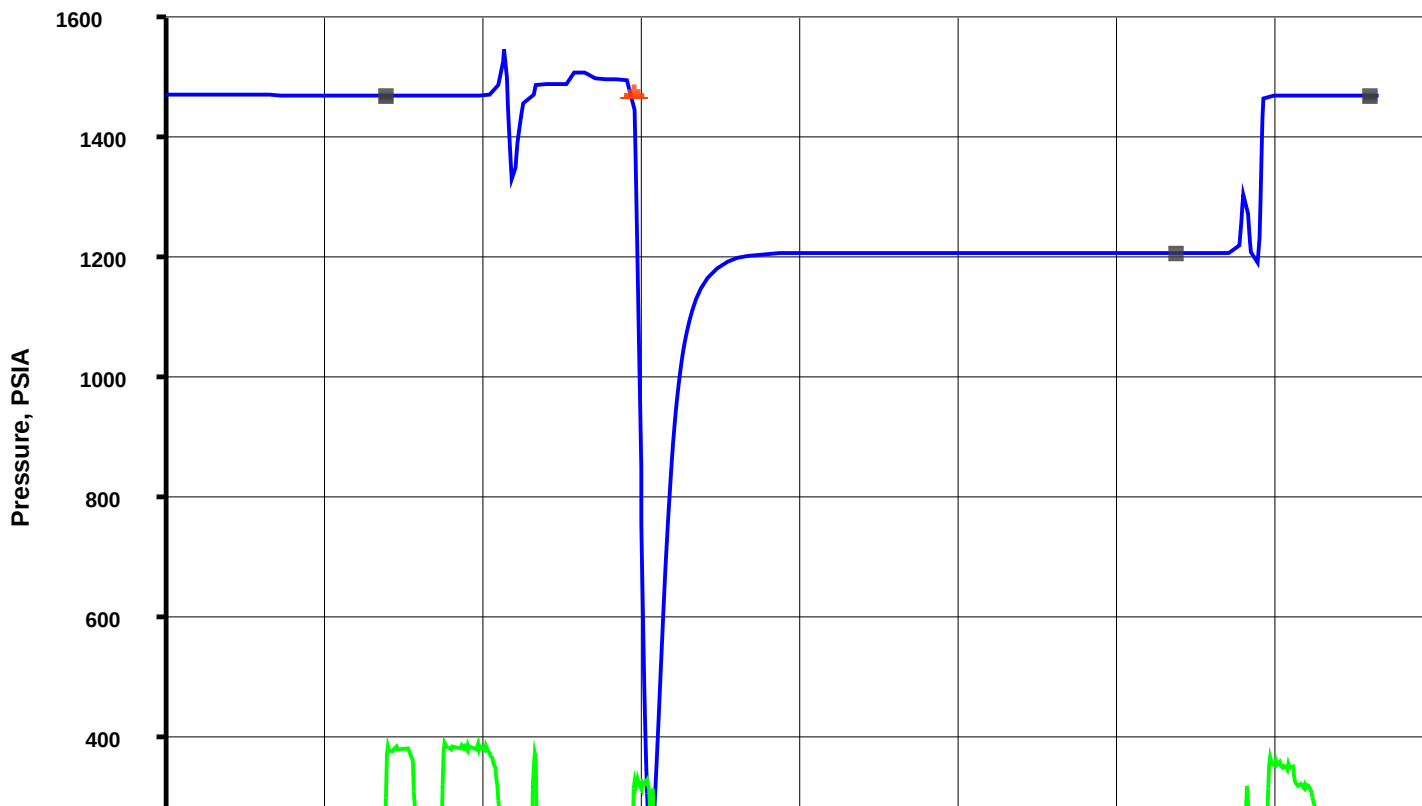
DEFAULT	MDT_150LTP	FN:216	PRODUCER	19-Oct-2011 17:07
BACKUP	MDT_150LTP	FN:217	PRODUCER	19-Oct-2011 17:11

Schlumberger

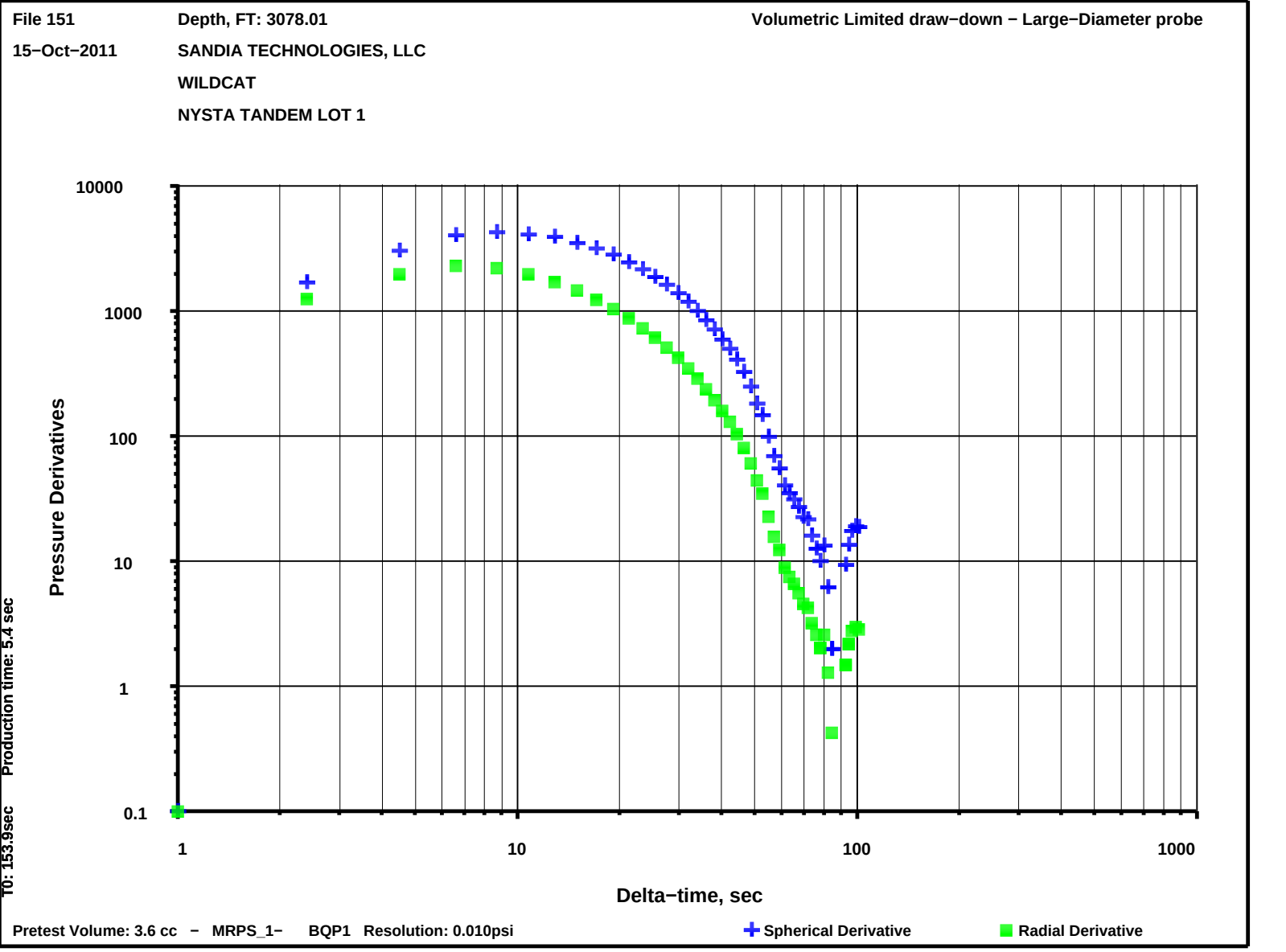
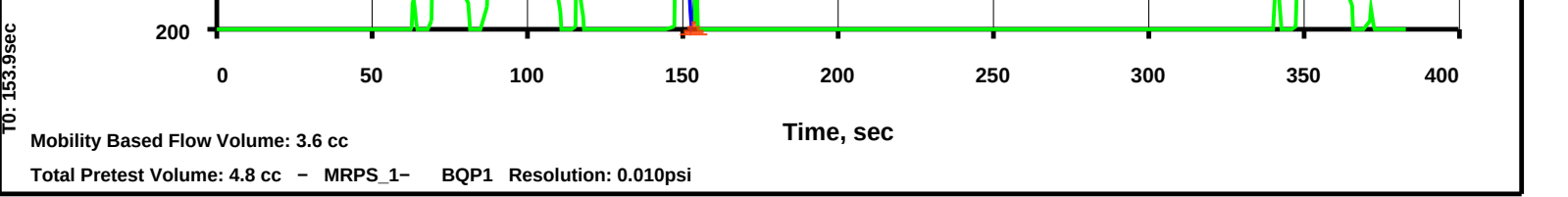
Pressure Test 3078.0 ft

MAXIS Field Log

File 151 Depth, FT: 3078.01 Volumetric Limited draw-down - Large-Diameter probe
15-Oct-2011 SANDIA TECHNOLOGIES, LLC Mud Pressure before test, PSIA: 1470.16
WILDCAT Mud Pressure after test, PSIA: 1470.19
NYSTA TANDEM LOT 1 Last build-up pressure, PSIA: 1207.7
Draw-down mobility, md/cp: 1



Production time: 5.4 sec



Company: SANDIA TECHNOLOGIES, LLC					Well: NYSTA TANDEM LOT 1
Output DLIS Files					
DEFAULT	MDT_151LTP	FN:218	PRODUCER	19-Oct-2011 17:17	3078.0 FT
BACKUP	MDT_151LTP	FN:219	PRODUCER	19-Oct-2011 17:21	3078.0 FT

Elapsed Time (s)	Event Summary
343.5	Retract Single Probe Module (MRPS) 1
142.8	Vert Pretest 4.8 cc @ 60 C3/M Single Probe Module (MRPS) 1
82.8	Probe Set @ 3078.0 FT Single Probe Module (MRPS) 1

Time Mark Every 60 S											
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)											
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)			MRHY 1 Motor Speed (HMS1) (RPM)								
0-----1000			0-----8000								
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)			MRPOUD Solenoid 3 Status (POUDS3)		Resistivity Cell Temperature (B1TR) (DEGF)						
0-----150			5 (----) 0								
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)			Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		
0-----10000					0-----100		0-----10		0-----1		
Retract			00:06:30	74.5	1470.19						
			00:06:27		1470.19						
			00:06:18	74.5	1470.19						
			00:06:09		1470.20						
			00:06:00	74.6	1469.98						
			00:05:51		1470.05						
			00:05:42	74.6	1248.83						
			00:05:33		1207.76						
			00:05:24	74.7	1207.70						
			00:05:15		1207.71						
			00:05:06	74.7	1207.70						
			00:04:57		1207.70						
			00:04:48	74.7	1207.71						
			00:04:39		1207.73						
			00:04:30	74.7	1207.75						
			00:04:21		1207.77						
			00:04:12	74.7	1207.76						
			00:04:03		1207.76						
			00:03:54	74.7	1207.75						
			00:03:45		1207.73						
			00:03:36	74.7	1207.71						
			00:03:27		1207.65						
			00:03:18	74.8	1207.16						
			00:03:09		1205.19						
			00:03:00	74.8	1197.62						
			00:02:51		1165.76						
			00:02:42	74.8	990.26						
Vert Pretest 4.8 cc @ 60 C3/M			00:02:33		209.78						
			00:02:24	75.0	1496.11						
			00:02:15		1499.52						
			00:02:06	75.0	1488.63						
			00:01:57		1494.26						
			00:01:48	75.0	1453.16						
			00:01:39		1470.24						
			00:01:30	75.1	1470.00						
Probe Set @ 3078.0 FT			00:01:21		1469.81						
			00:01:12	75.1	1470.14						
			00:01:03		1469.98						
			00:00:54	75.1	1470.09						
			00:00:45		1470.22						
			00:00:36	75.1	1470.37						
			00:00:27		1470.56						
			00:00:18	75.1	1470.77						
			00:00:09		1470.98						
			00:00:00	75.2	1471.26						
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)			Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		
0-----10000					0-----100		0-----10		0-----1		

MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		0	150	MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)
MRPOUD Hydraulic Pump Output Volume (POUDPV) 0 (C3) 1000				MRHY 1 Motor Speed (HMS1) (RPM) 0 8000	
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)				

PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 17:17

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files			
DEFAULT	MDT_151LTP	FN:218	PRODUCER 19-Oct-2011 17:17
BACKUP	MDT_151LTP	FN:219	PRODUCER 19-Oct-2011 17:21



Fluid Test
3058.0 ft

MAXIS Field Log

File 152	Depth, FT: 3058.00	Volumetric Limited draw-down – Large-Diameter probe	
15-Oct-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA:	1461.18
	WILDCAT	Mud Pressure after test, PSIA:	1491.72
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA:	1198.07
		Draw-down mobility, md/cp:	171.9
1600			

T0: 266.7sec Production time: 12.6sec

Pressure, PSIA

1400
1200
1000
800
600
400
200

0 1000 2000 3000 4000 5000 6000 7000 8000 9000

Time, sec

Mobility Based Flow Volume: 10.1cc
Total Pretest Volume: 10.1cc - MRPS_1- BQP1 Resolution: 0.010psi

T0: 266.1sec Production time: 12.0sec

Pressure, PSIA

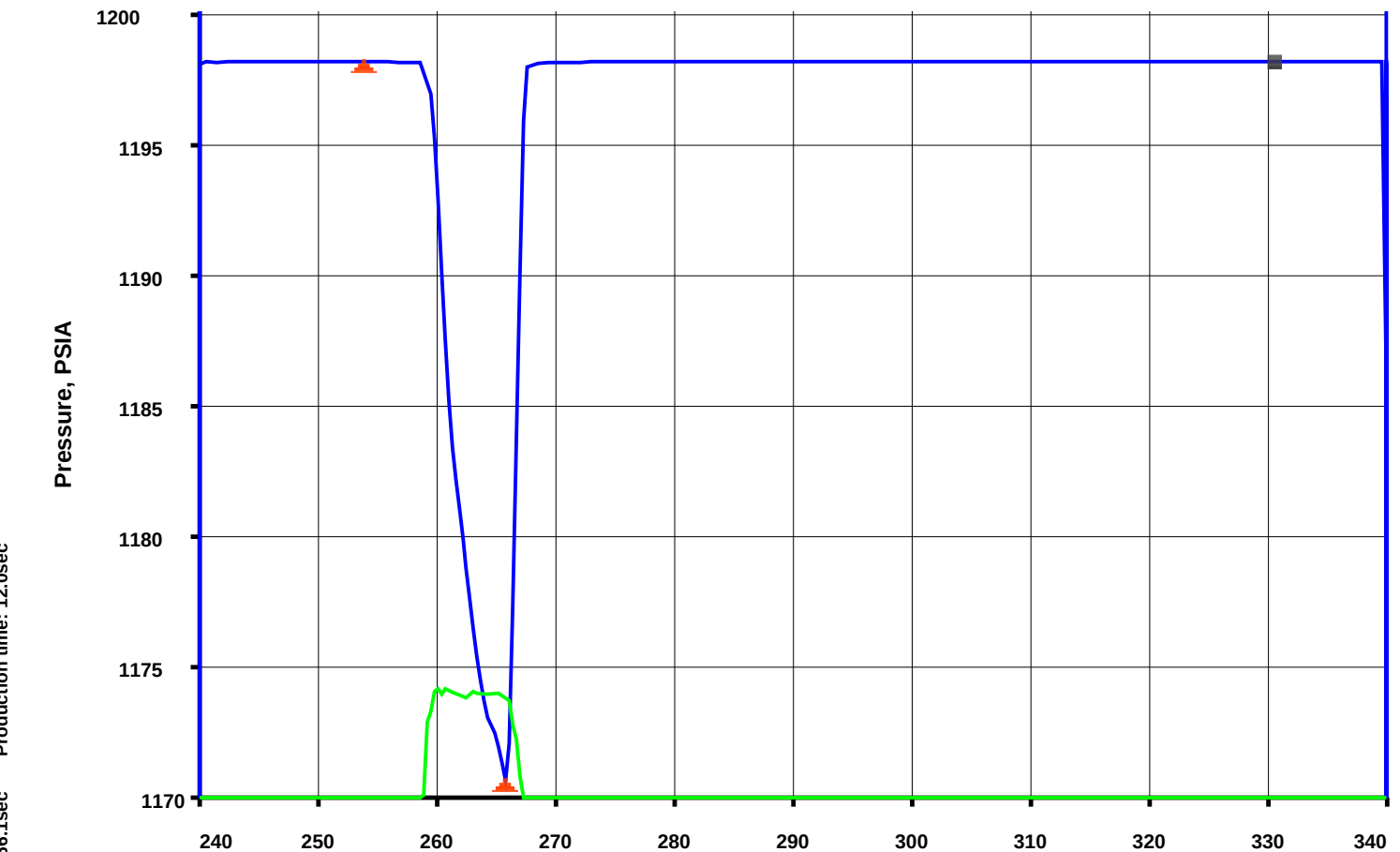
1200
1195
1190
1185
1180
1175
1170

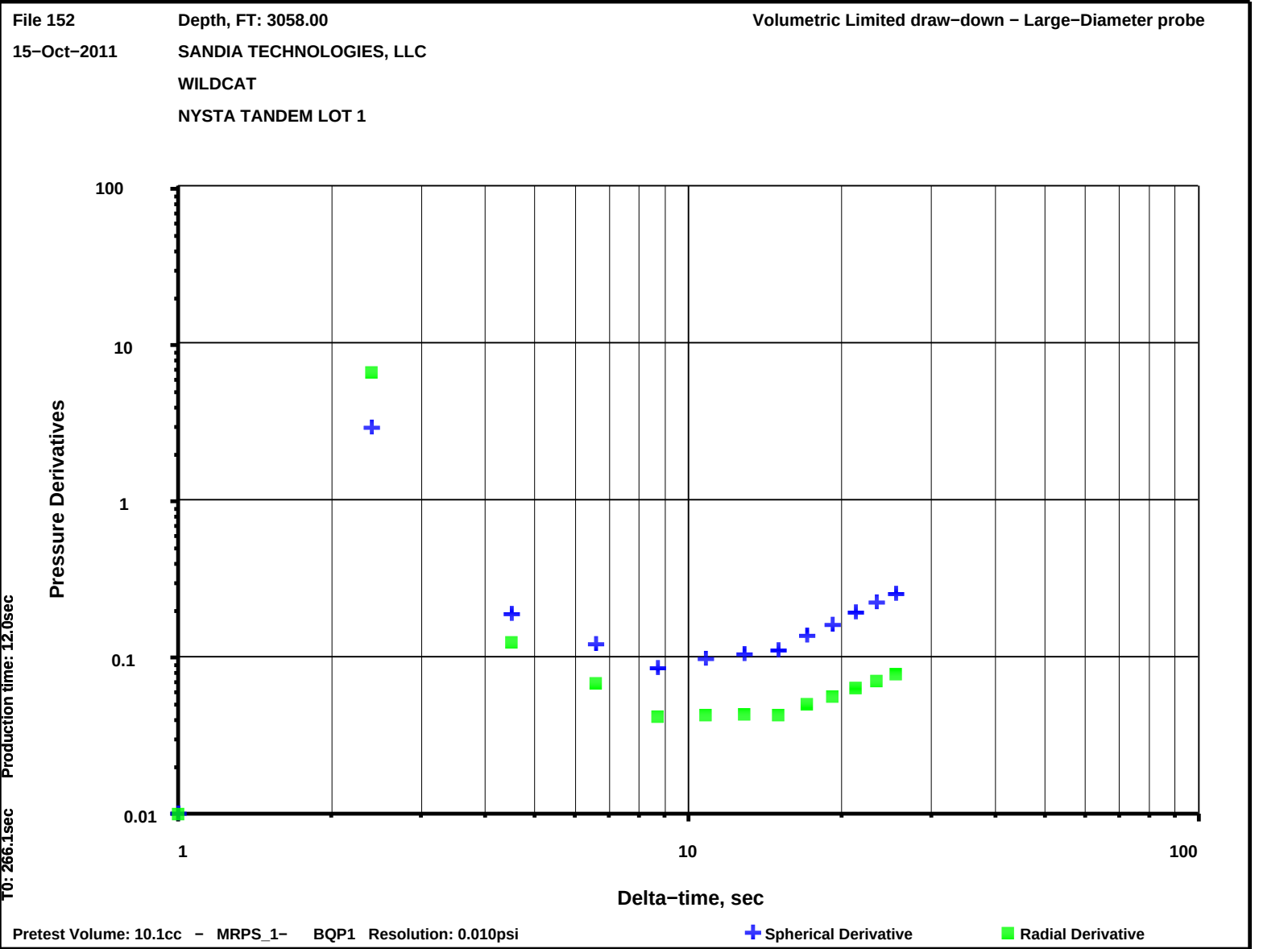
240 250 260 270 280 290 300 310 320 330 340

Time, sec

Mobility Based Flow Volume: 10.1cc

File 152	Depth, FT: 3058.00	Volumetric Limited draw-down - Large-Diameter probe	
15-Oct-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA:	1461.18
	WILDCAT	Mud Pressure after test, PSIA:	1491.72
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA:	1198.07
		Draw-down mobility, md/cp:	171.9





Company: SANDIA TECHNOLOGIES, LLC

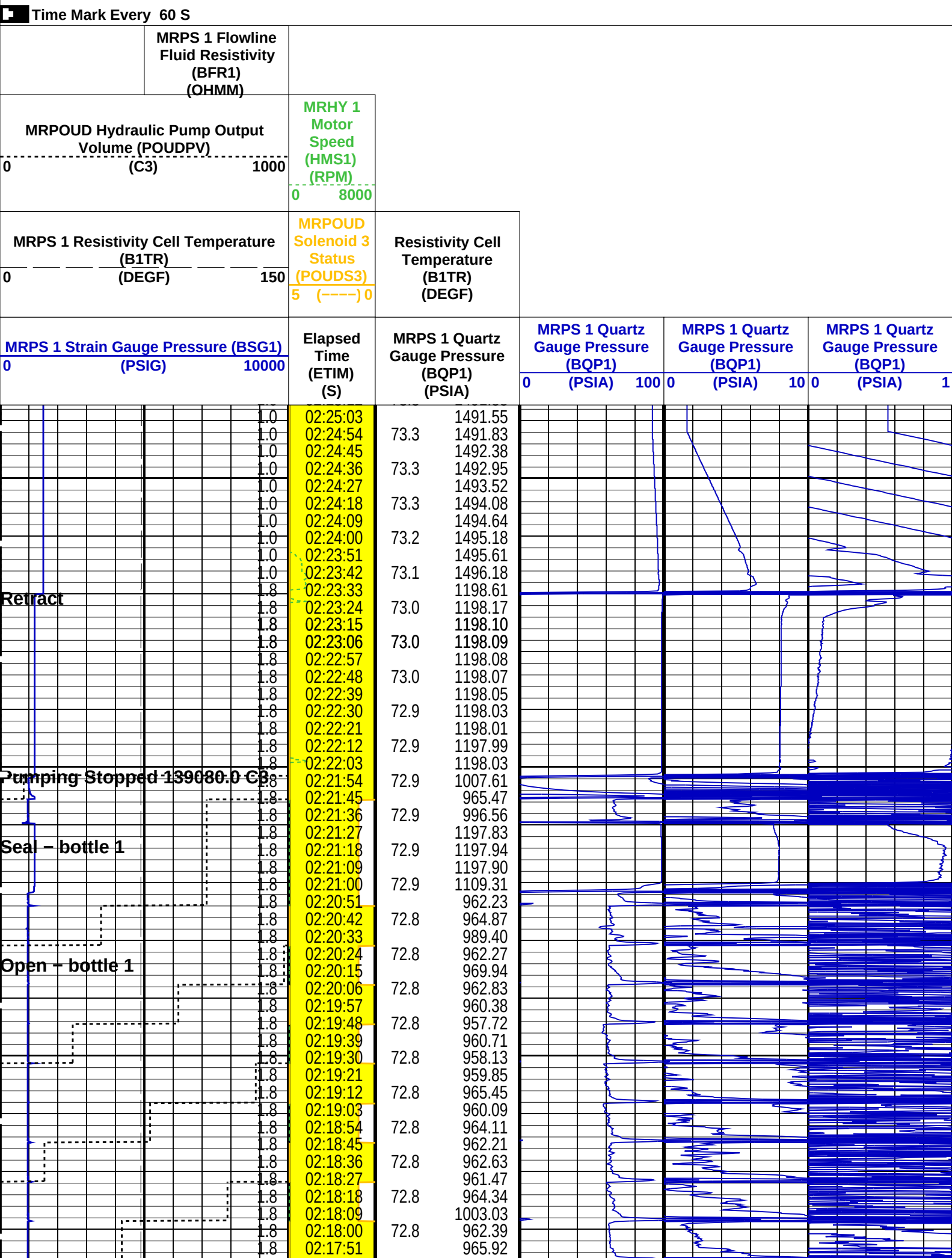
Well: NYSTA TANDEM LOT 1

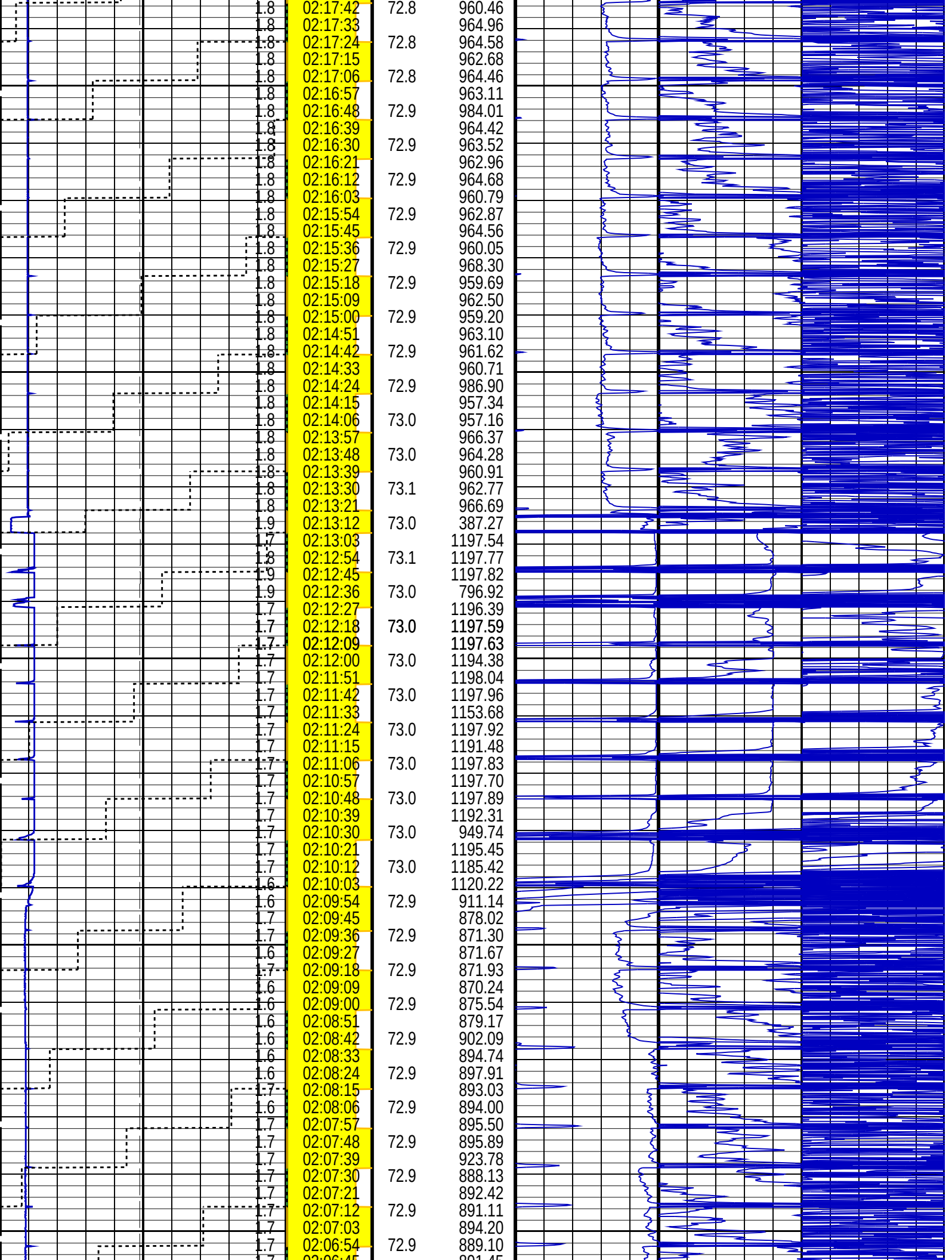
Output DLIS Files

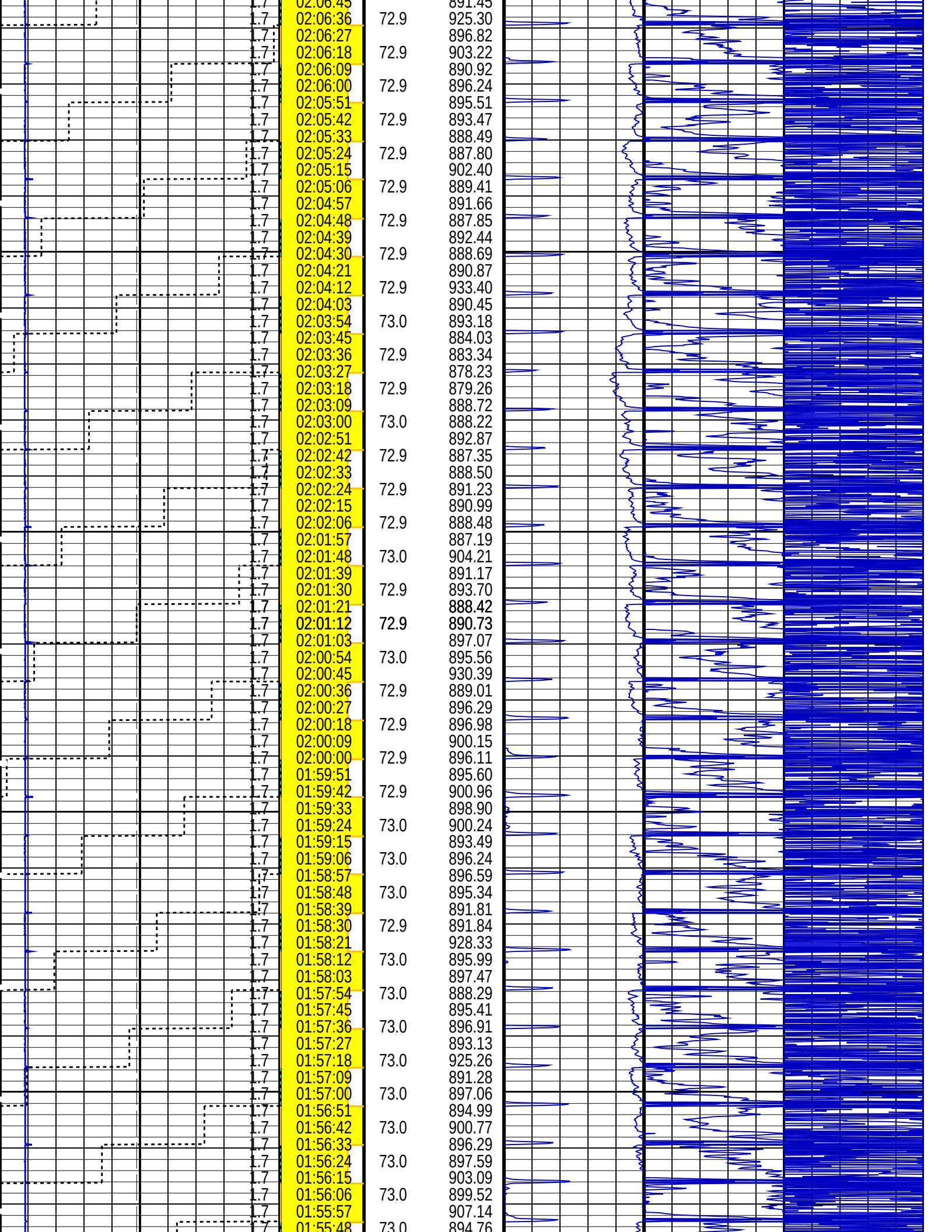
DEFAULT	MDT_152LTP	FN:220	PRODUCER	19-Oct-2011 17:26	3058.0 FT
BACKUP	MDT_152LTP	FN:221	PRODUCER	19-Oct-2011 17:29	3058.0 FT

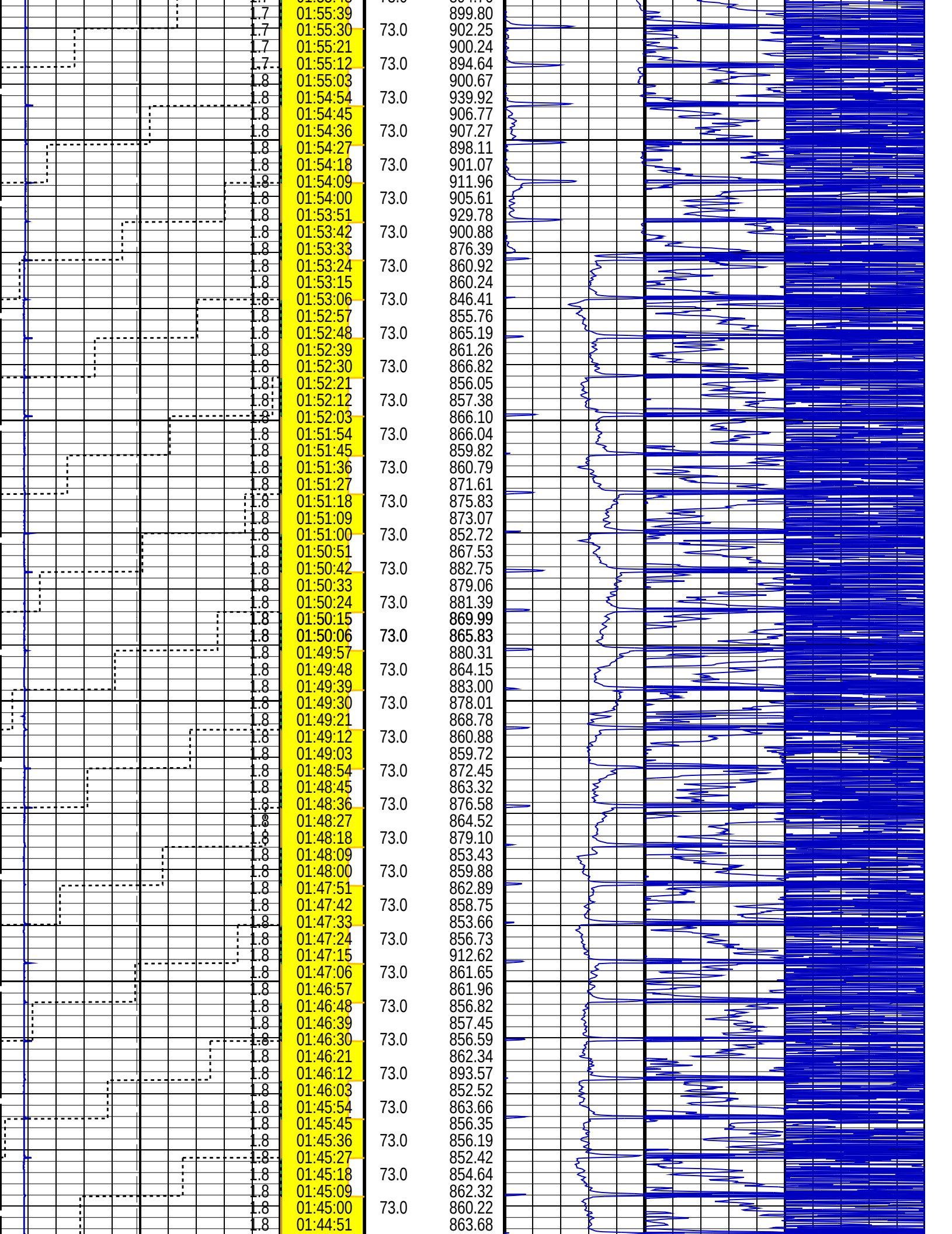
Elapsed Time (s)	Event Summary
8612.1	Retract Single Probe Module (MRPS) 1
8519.4	Pumping Stopped 139080.0 C3 Dual Up-down Pumpout Module (MRPOUD)
8483.1	Seal MDT Multi-Sample (MRMS) 1, bottle 1
8421.6	Open MDT Multi-Sample (MRMS) 1, bottle 1, sample number = 1
371.1	Pump Up Started Dual Up-down Pumpout Module (MRPOUD)
254.1	Vert Pretest 10.1 cc @ 90 C3/M Single Probe Module (MRPS) 1
153.6	Vert Pretest 10.1 cc @ 60 C3/M Single Probe Module (MRPS) 1
93.9	Probe Set @ 3058.0 FT Single Probe Module (MRPS) 1

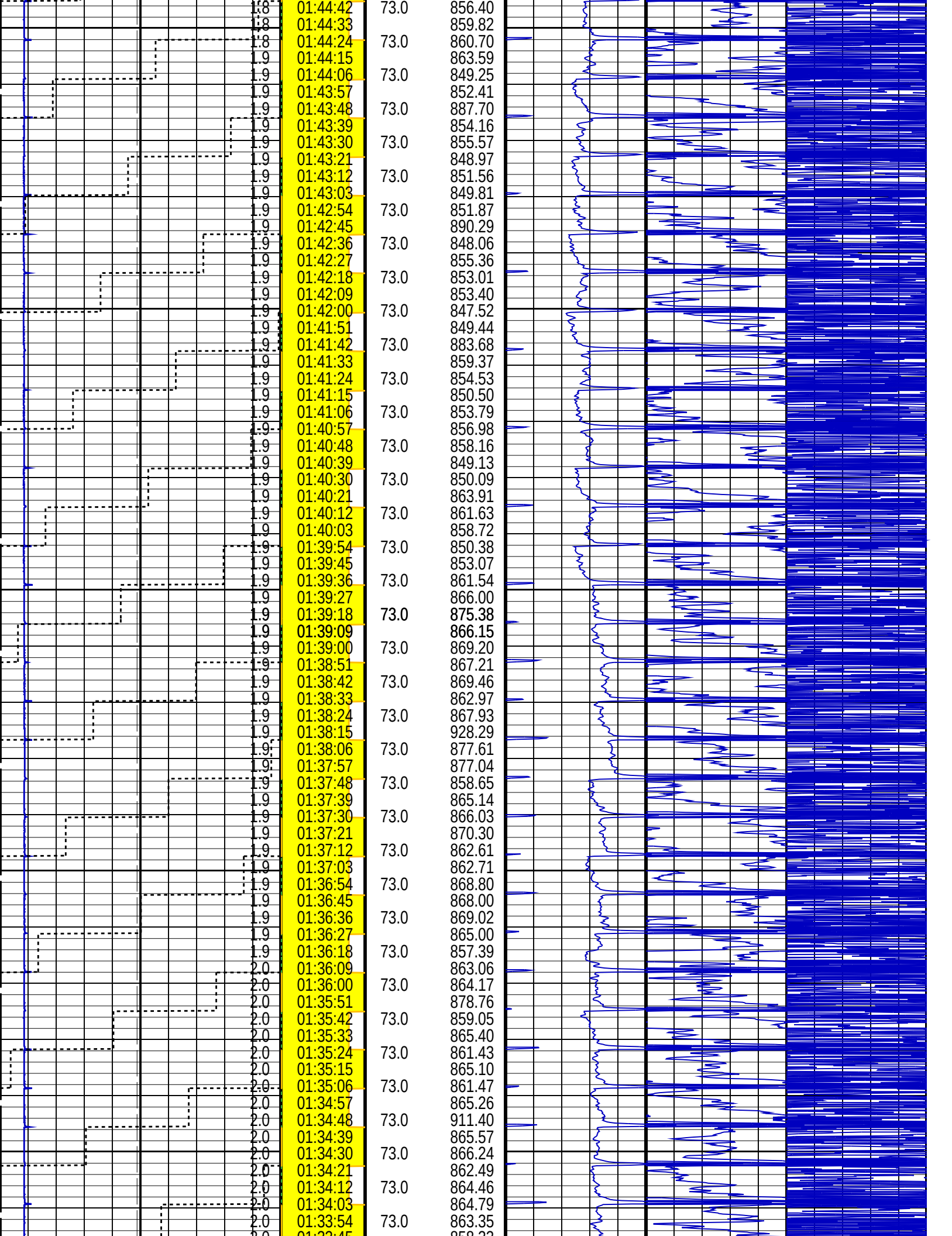
PIP SUMMARY

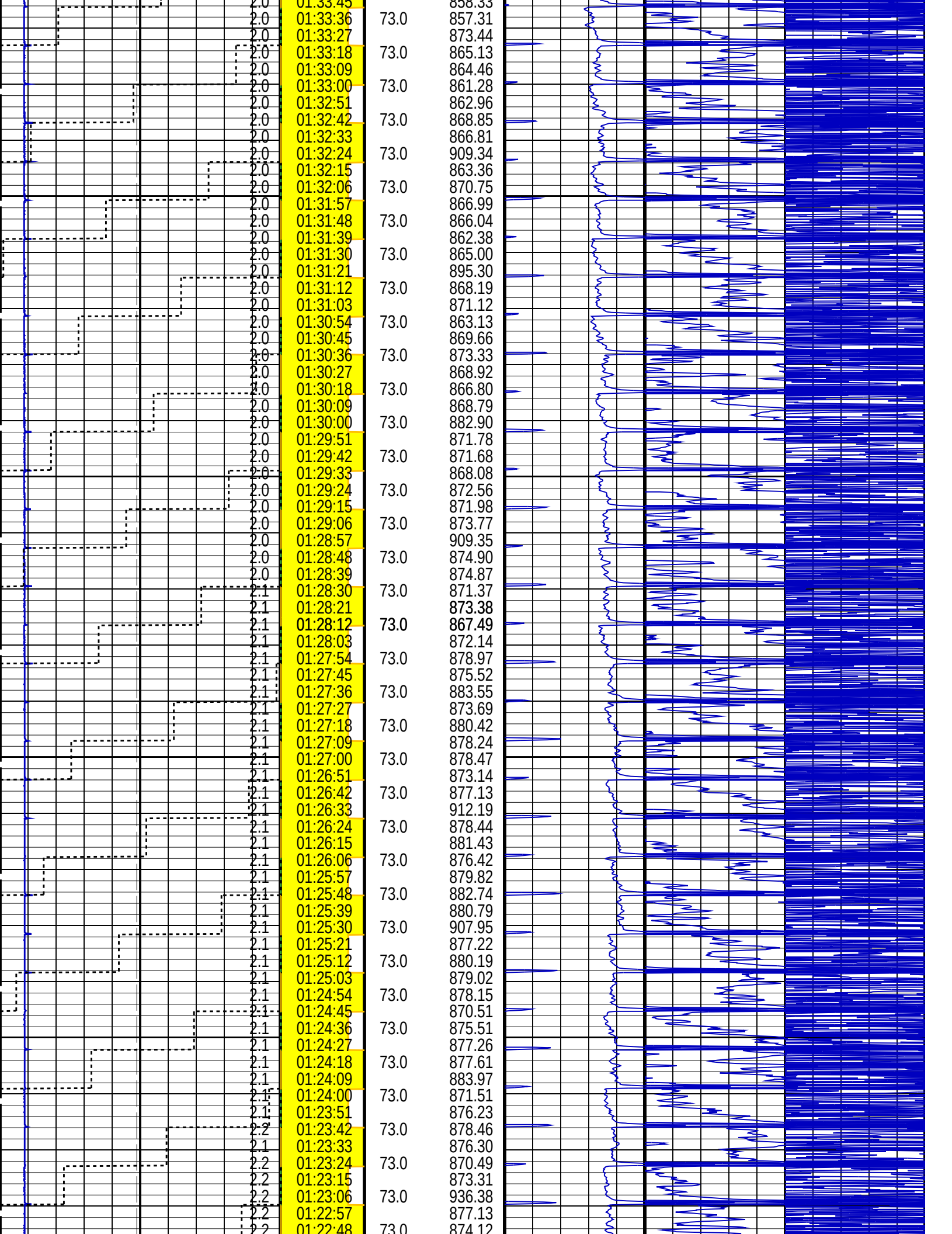


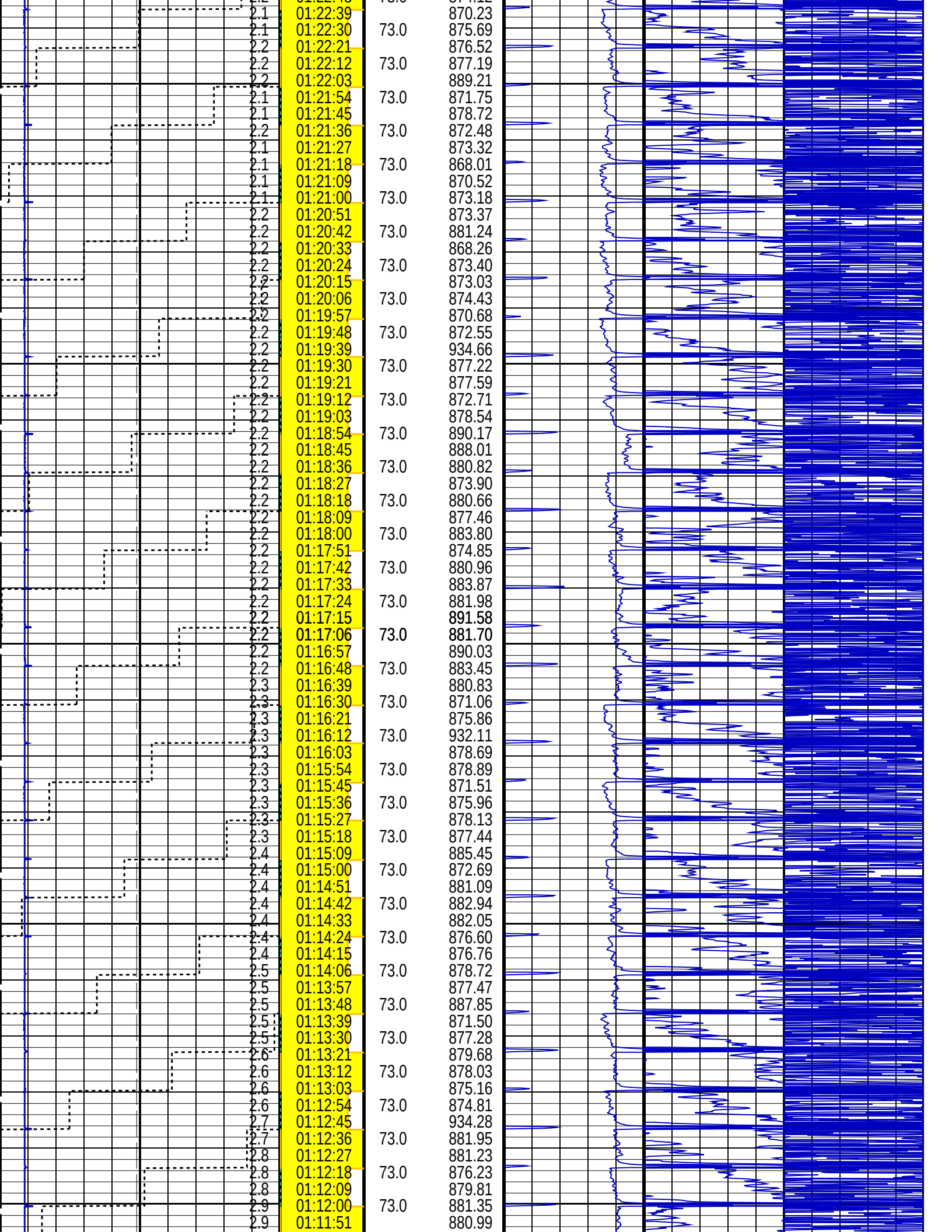


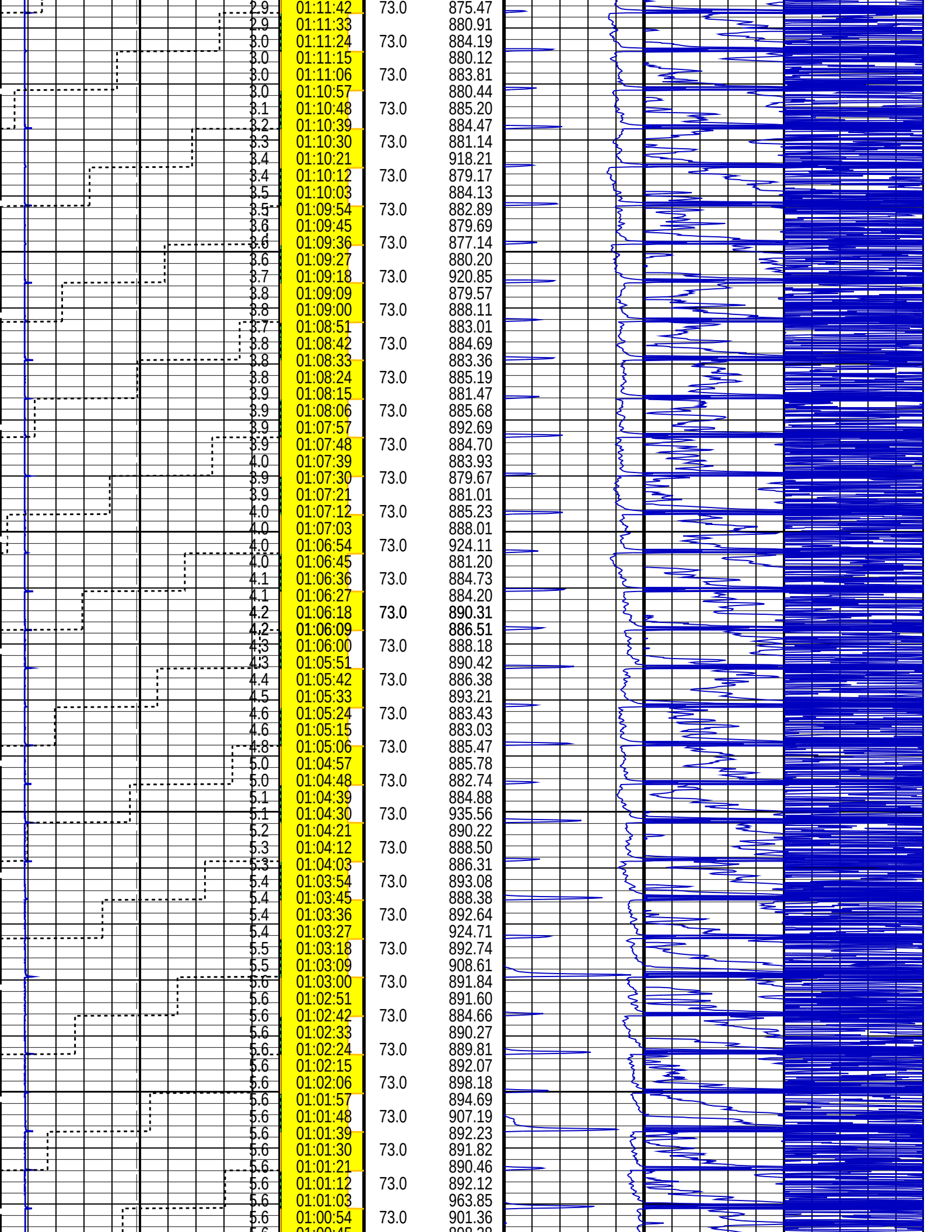


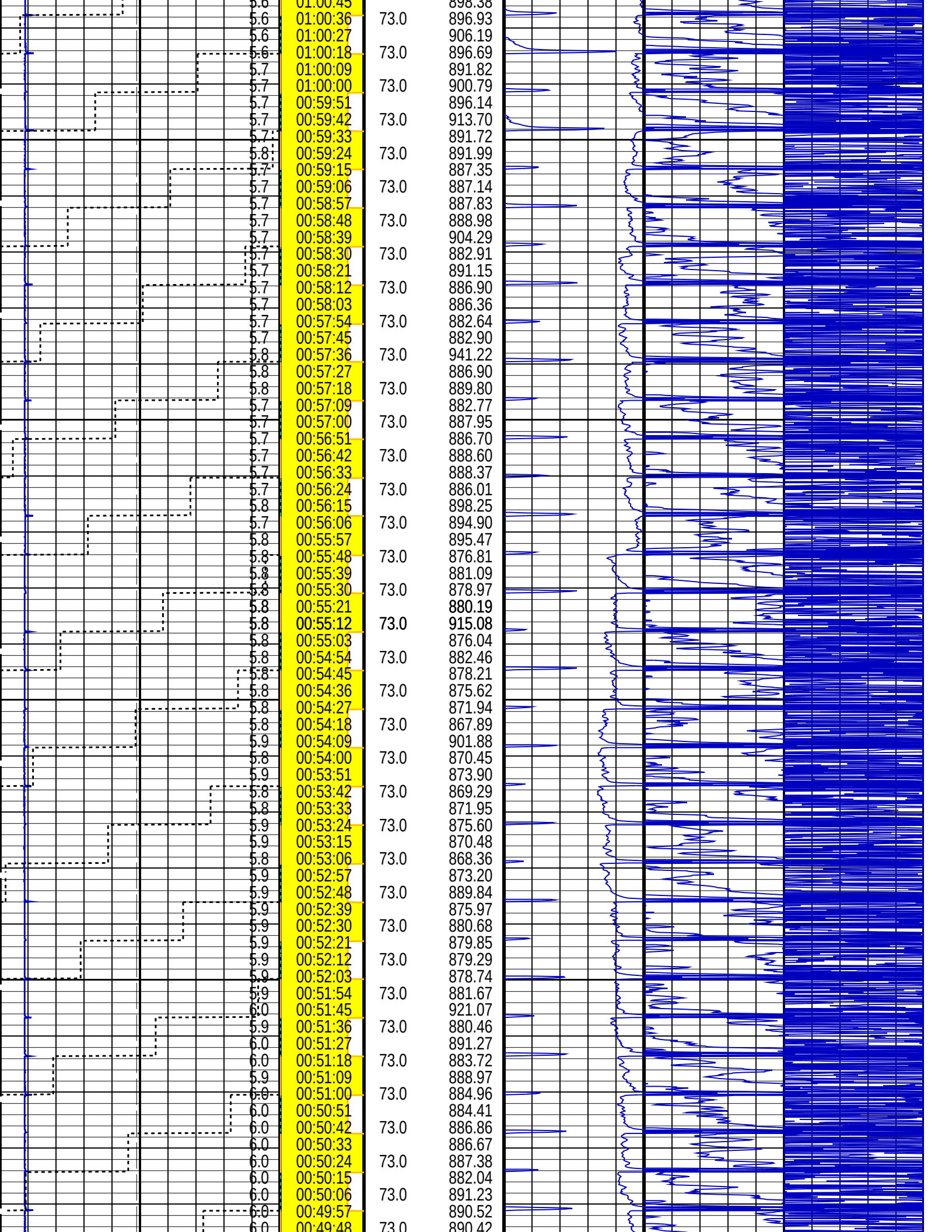


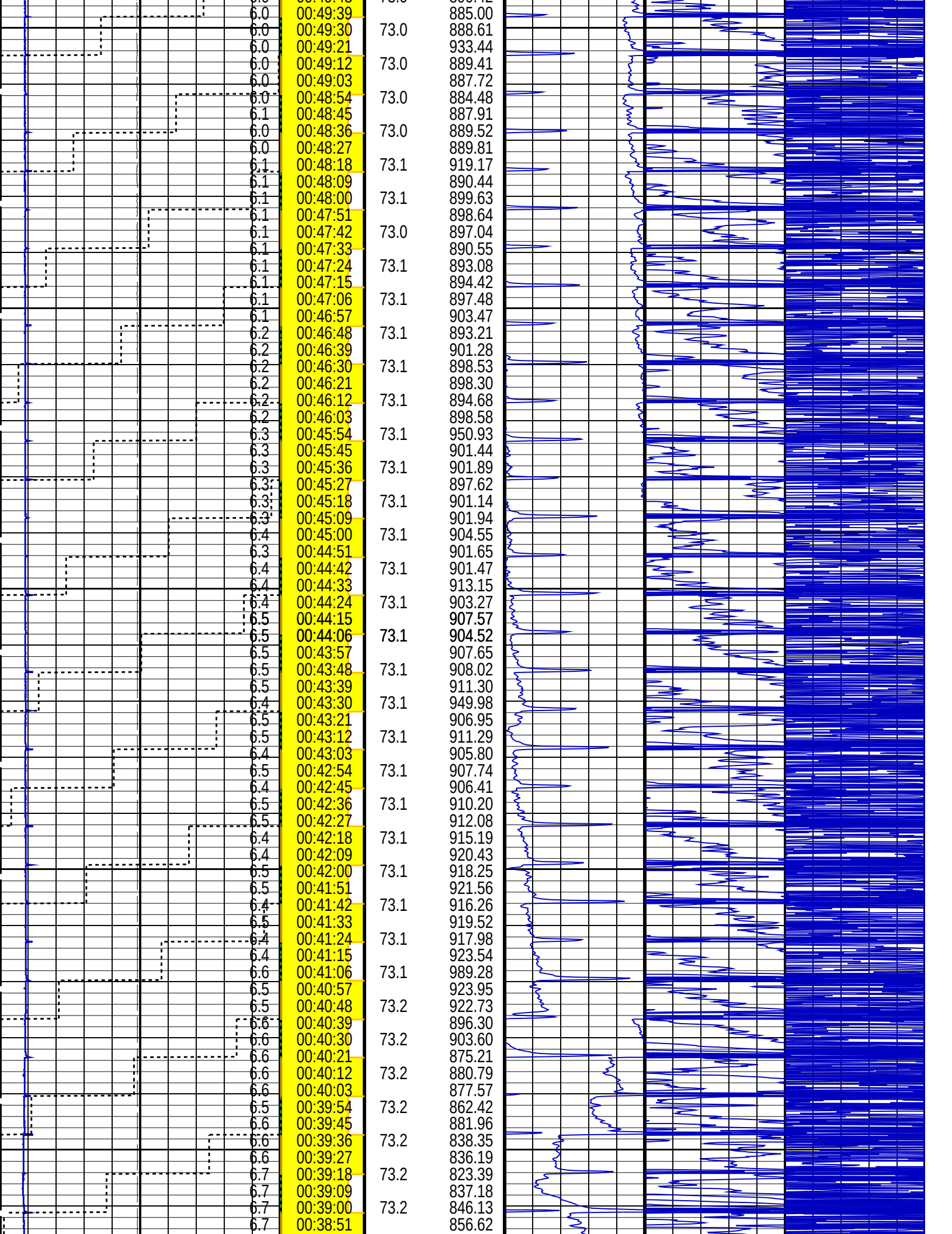


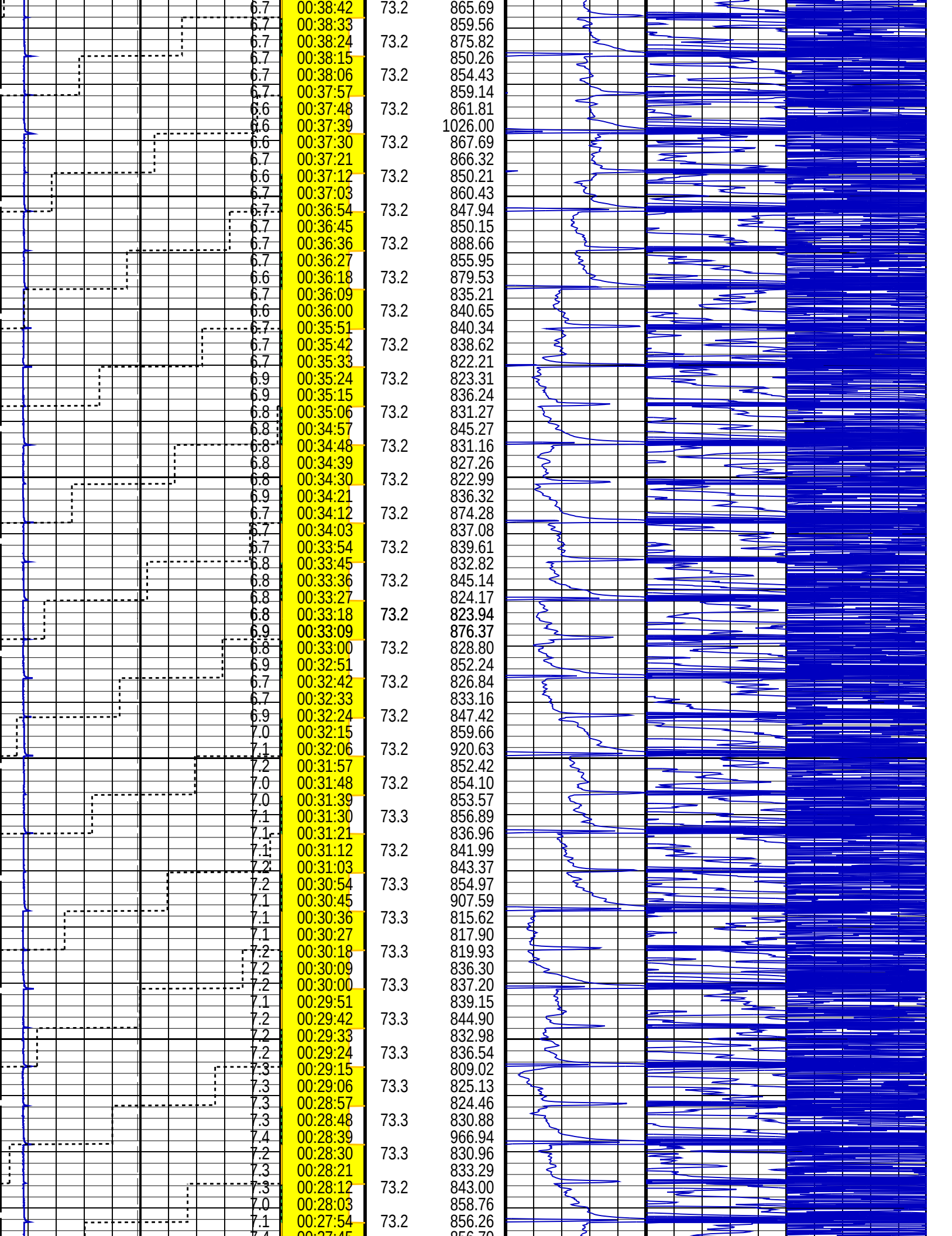


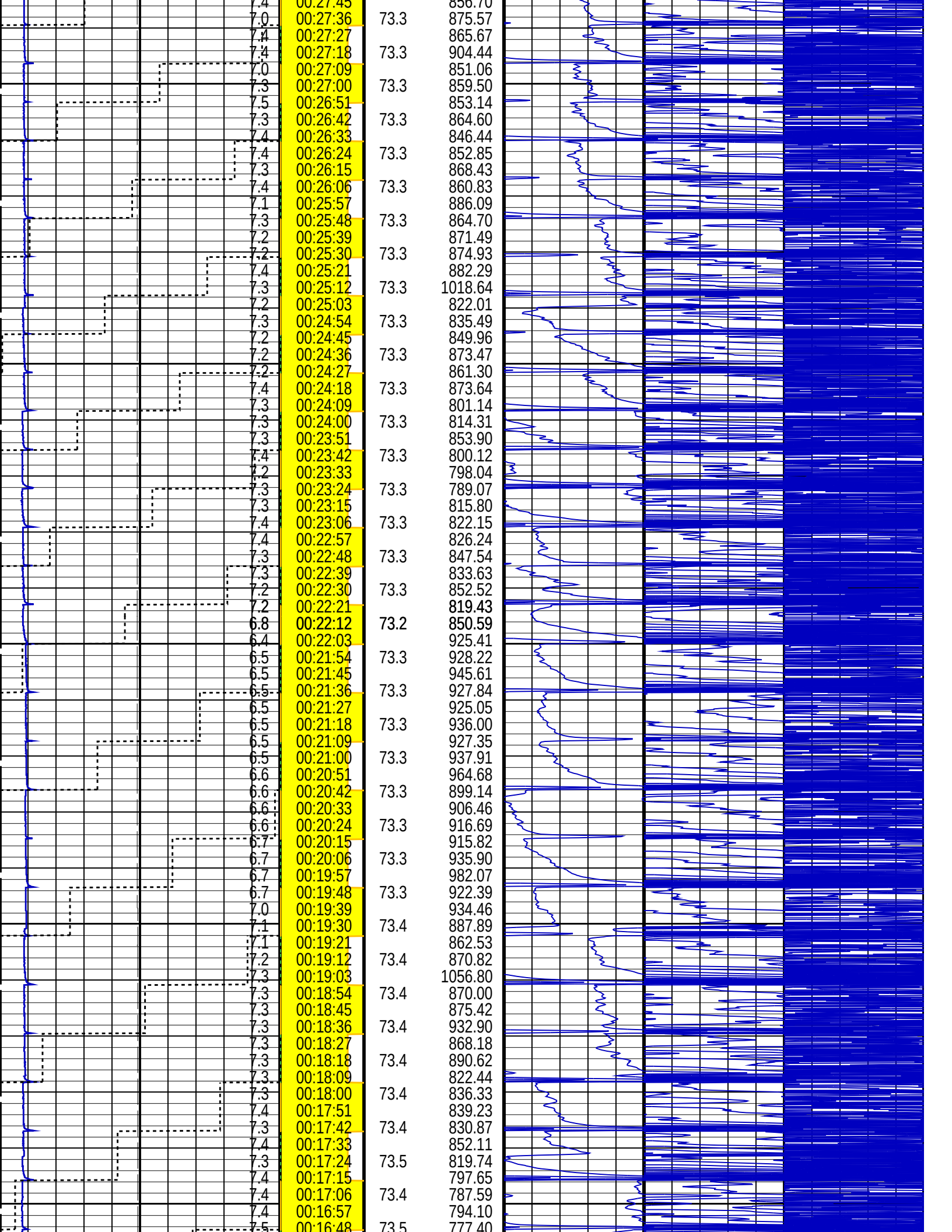


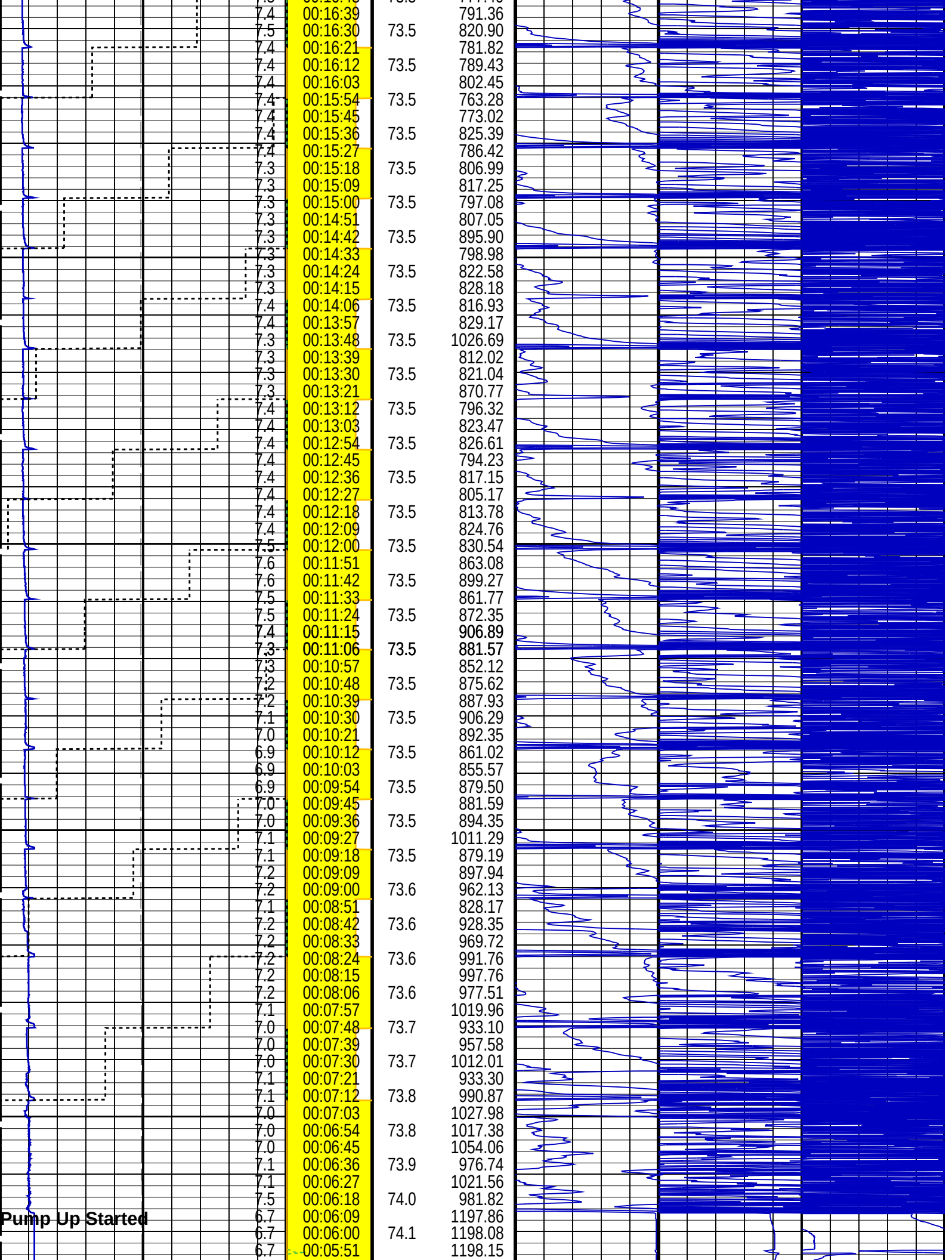


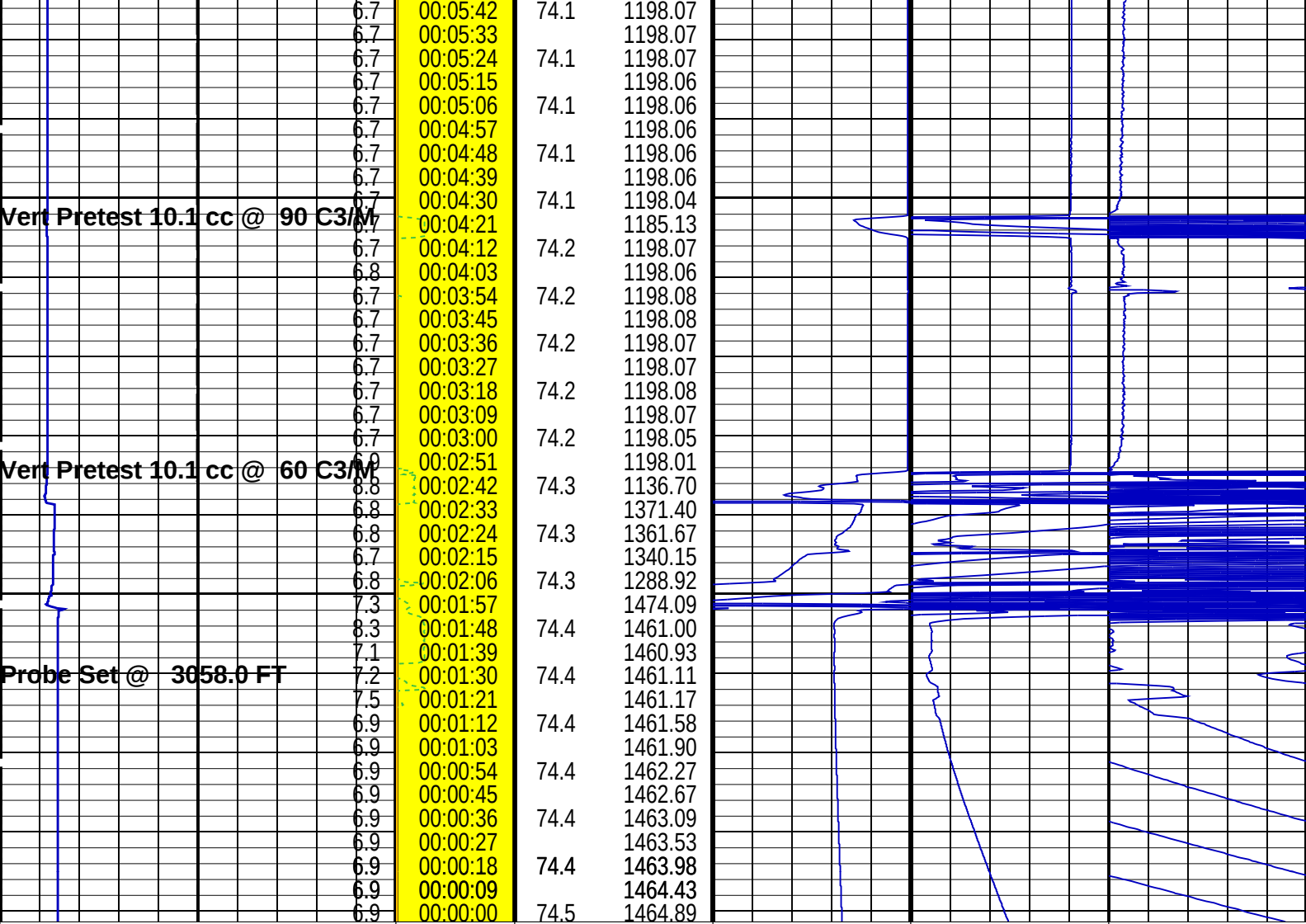












MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 (PSIA) 100		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 (PSIA) 10		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 (PSIA) 1	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 0 150		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3) 0 1000		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000							
	MRPS 1 Flowline Fluid Resistivity (BFR1) (QHMM)								

PIP SUMMARY

☒ Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		

PDCO	MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)	Probe Depth Correction Offset	0	FT
PDCO	MRMS_1: MDT Multi-Sample (MRMS) 1	Probe Depth Correction Offset	0	FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	MRPOUD Displacement Unit Stroke Volume	366	FT
PDCO	MRPC: Power Cartridge	Probe Depth Correction Offset	0	FT
PDCO		Probe Depth Correction Offset	0	FT

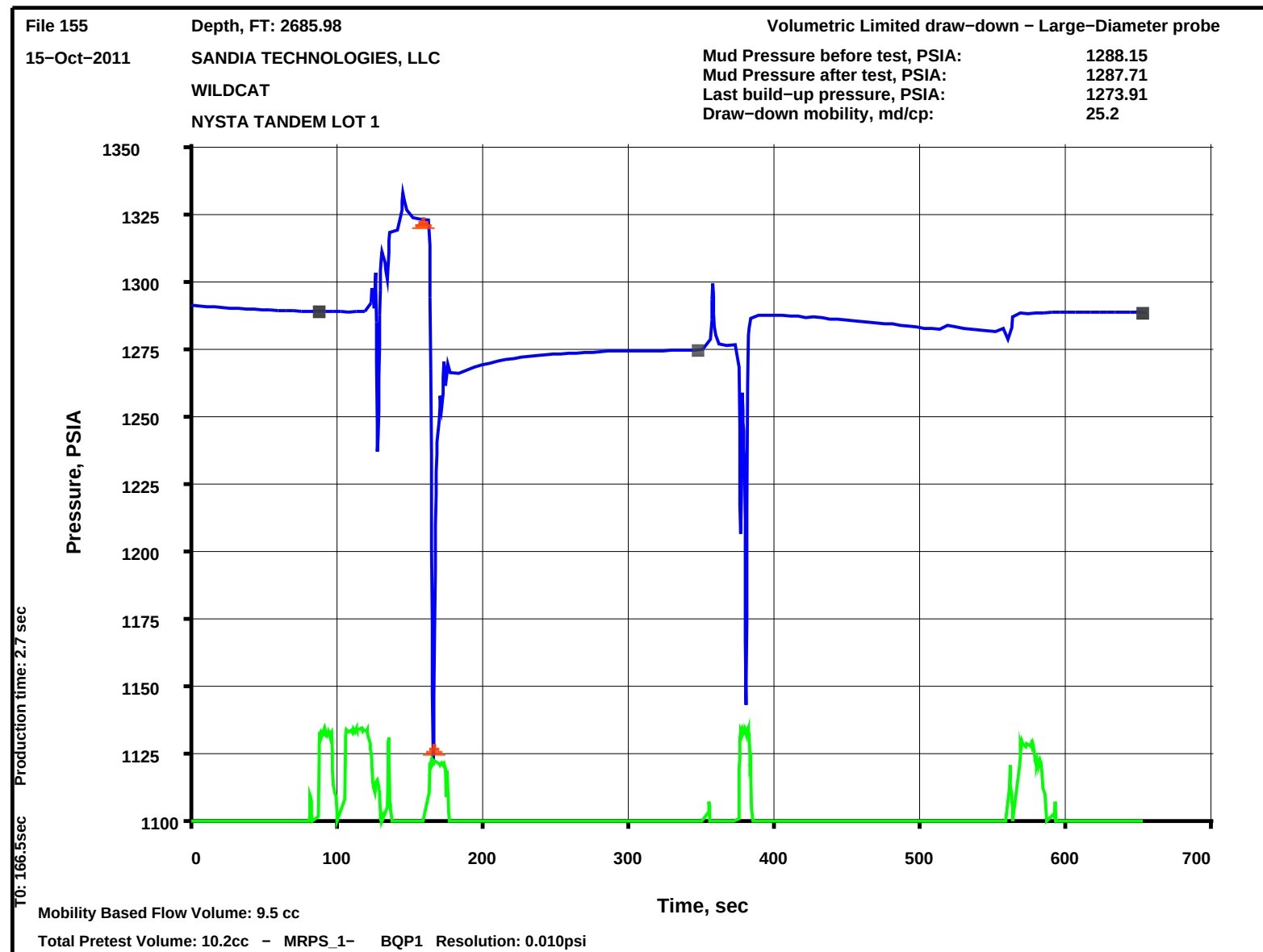
Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 17:26

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

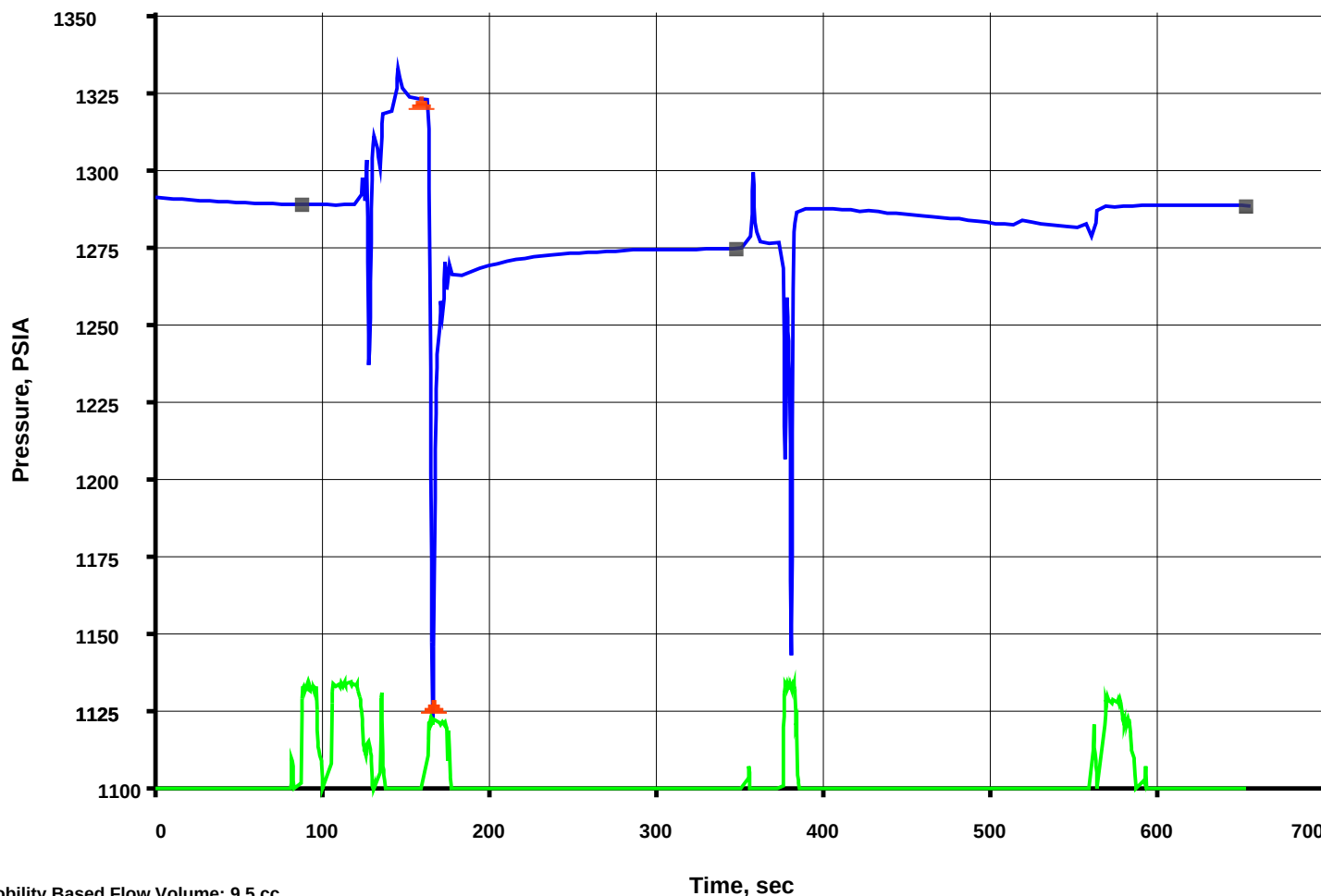
DEFAULT	MDT_152LTP	FN:220	PRODUCER	19-Oct-2011 17:26
BACKUP	MDT_152LTP	FN:221	PRODUCER	19-Oct-2011 17:29



Schlumberger

Pressure Test
2686.0 ft

File 155 Depth, FT: 2685.98 Volumetric Limited draw-down – Large-Diameter probe
 15-Oct-2011 SANDIA TECHNOLOGIES, LLC Mud Pressure before test, PSIA: 1288.15
 WILDCAT Mud Pressure after test, PSIA: 1287.71
 NYSTA TANDEM LOT 1 Last build-up pressure, PSIA: 1273.91
 Draw-down mobility, md/cp: 25.2



Company: SANDIA TECHNOLOGIES, LLC

Well: NYSTA TANDEM LOT 1

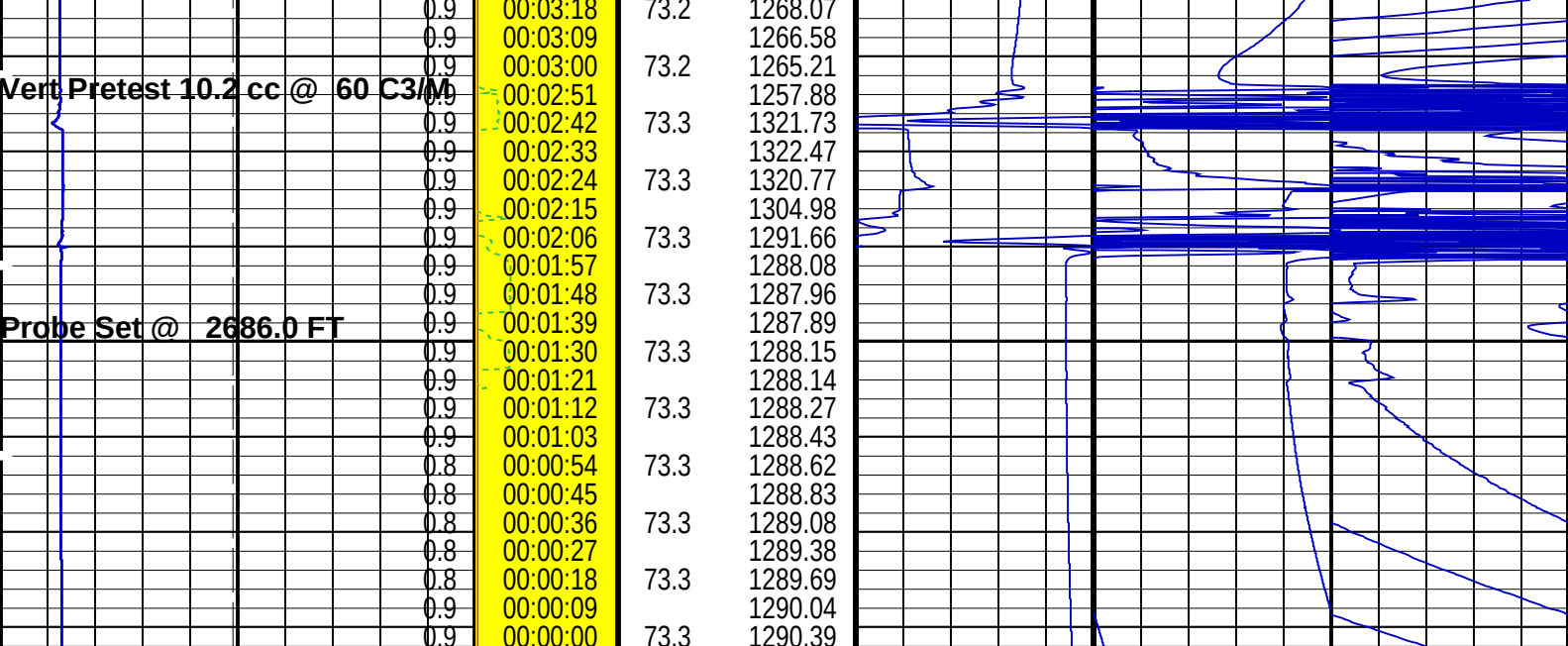
Output DLIS Files

DEFAULT	MDT_155LTP	FN:226	PRODUCER	19-Oct-2011 20:00	2686.0 FT
BACKUP	MDT_155LTP	FN:227	PRODUCER	19-Oct-2011 20:03	2686.0 FT

Elapsed Time (s)	Event Summary
562.8	Retract Single Probe Module (MRPS) 1
370.5	Vert Pretest 9.9 cc @ 90 C3/M Single Probe Module (MRPS) 1
158.4	Vert Pretest 10.2 cc @ 60 C3/M Single Probe Module (MRPS) 1
101.1	Probe Set @ 2686.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)		MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRHY 1 Motor Speed (HMS1) (RPM)	MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		Resistivity Cell Temperature (B1TR) (DEGF)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
0 1000		0 1000		0 8000	0 150		0 150	0 100		0 10	0 1	0 1
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)		Elapsed Time (ETIM) (S)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
0 10000		0 10000		0 100		0 10		0 1		0 1		0 1
Retract		0.9	00:11:00	72.9	1287.70							
		0.9	00:10:57		1287.70							
		0.9	00:10:48	72.9	1287.72							
		0.9	00:10:39		1287.73							
		0.9	00:10:30	72.9	1287.74							
		0.9	00:10:21		1287.75							
		0.9	00:10:12	72.9	1287.75							
		0.9	00:10:03		1287.76							
		0.9	00:09:54	72.9	1287.75							
		0.9	00:09:45		1287.66							
		0.9	00:09:36	73.0	1287.31							
		0.9	00:09:27		1287.45							
		0.9	00:09:18	73.0	1284.49							
		0.9	00:09:09		1280.69							
		0.9	00:09:00	73.0	1281.23							
		0.9	00:08:51		1281.85							
		0.9	00:08:42	73.0	1282.57							
		0.9	00:08:33		1281.44							
		0.9	00:08:24	73.0	1281.88							
		0.9	00:08:15		1282.44							
		0.9	00:08:06	73.0	1283.07							
		0.9	00:07:57		1283.55							
		0.9	00:07:48	73.0	1284.08							
		0.9	00:07:39		1284.56							
		0.9	00:07:30	73.1	1284.93							
		0.9	00:07:21		1285.24							
		0.9	00:07:12	73.1	1285.72							
		0.9	00:07:03		1285.77							
		0.9	00:06:54	73.1	1286.38							
		0.9	00:06:45		1286.57							
		0.9	00:06:36	73.1	1286.64							
		0.9	00:06:27		1286.62							
Vert Pretest 9.9 cc @ 90 C3/M		0.9	00:06:18	73.1	1247.34							
		0.9	00:06:09		1275.65							
		0.9	00:06:00	73.1	1277.26							
		0.9	00:05:51		1273.97							
		0.9	00:05:42	73.1	1273.90							
		0.9	00:05:33		1273.85							
		0.9	00:05:24	73.1	1273.69							
		0.9	00:05:15		1273.61							
		0.9	00:05:06	73.1	1273.55							
		0.9	00:04:57		1273.61							
		0.9	00:04:48	73.2	1273.53							
		0.9	00:04:39		1273.26							
		0.9	00:04:30	73.2	1273.04							
		0.9	00:04:21		1272.75							
		0.9	00:04:12	73.2	1272.50							
		0.9	00:04:03		1272.06							
		0.9	00:03:54	73.2	1271.65							
		0.9	00:03:45		1271.11							
		0.9	00:03:36	73.2	1270.43							
		0.9	00:03:27		1269.45							



MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 100		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 10		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 1	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 0 150		MRPOUD Solenoid 3 Status (POUDS3) 5 (-----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3) 0 1000		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000							
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)								

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S

Graphics File Created: 19-Oct-2011 20:00

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

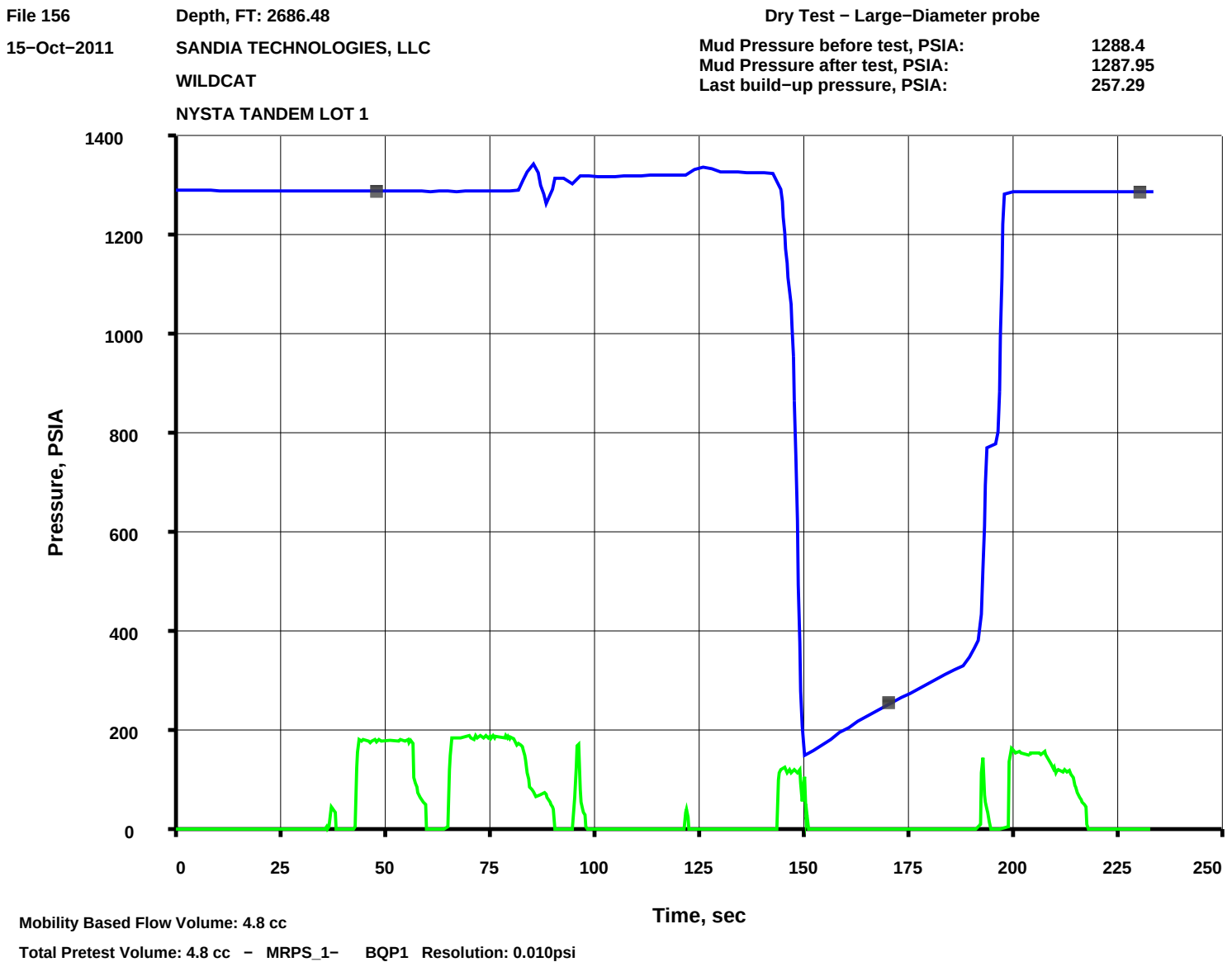
Output DLIS Files

DEFAULT	MDT_155LTP	FN:226	PRODUCER	19-Oct-2011 20:00
BACKUP	MDT_155LTP	FN:227	PRODUCER	19-Oct-2011 20:03

Schlumberger

Pressure Test 2686.5 ft

MAXIS Field Log

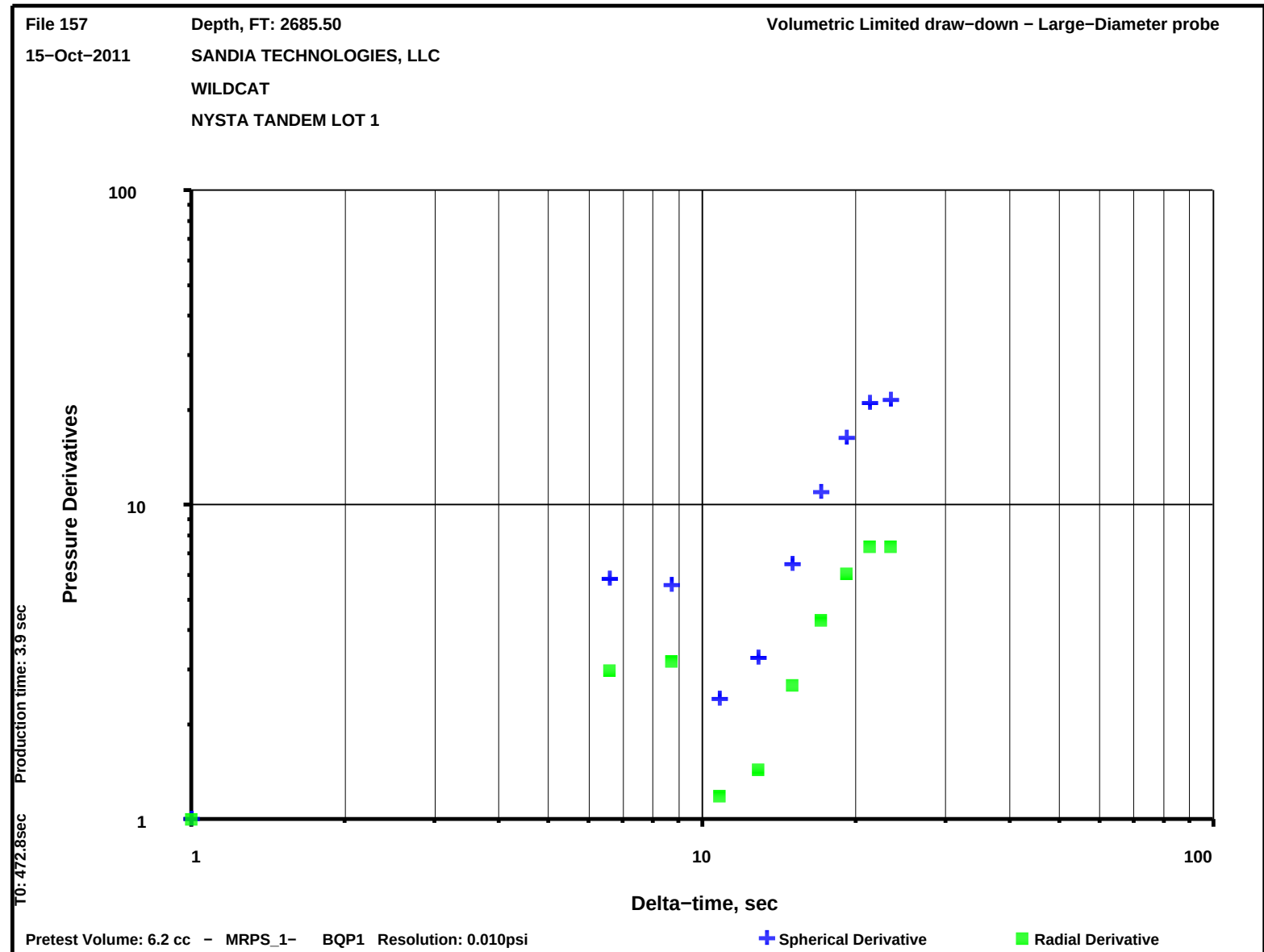
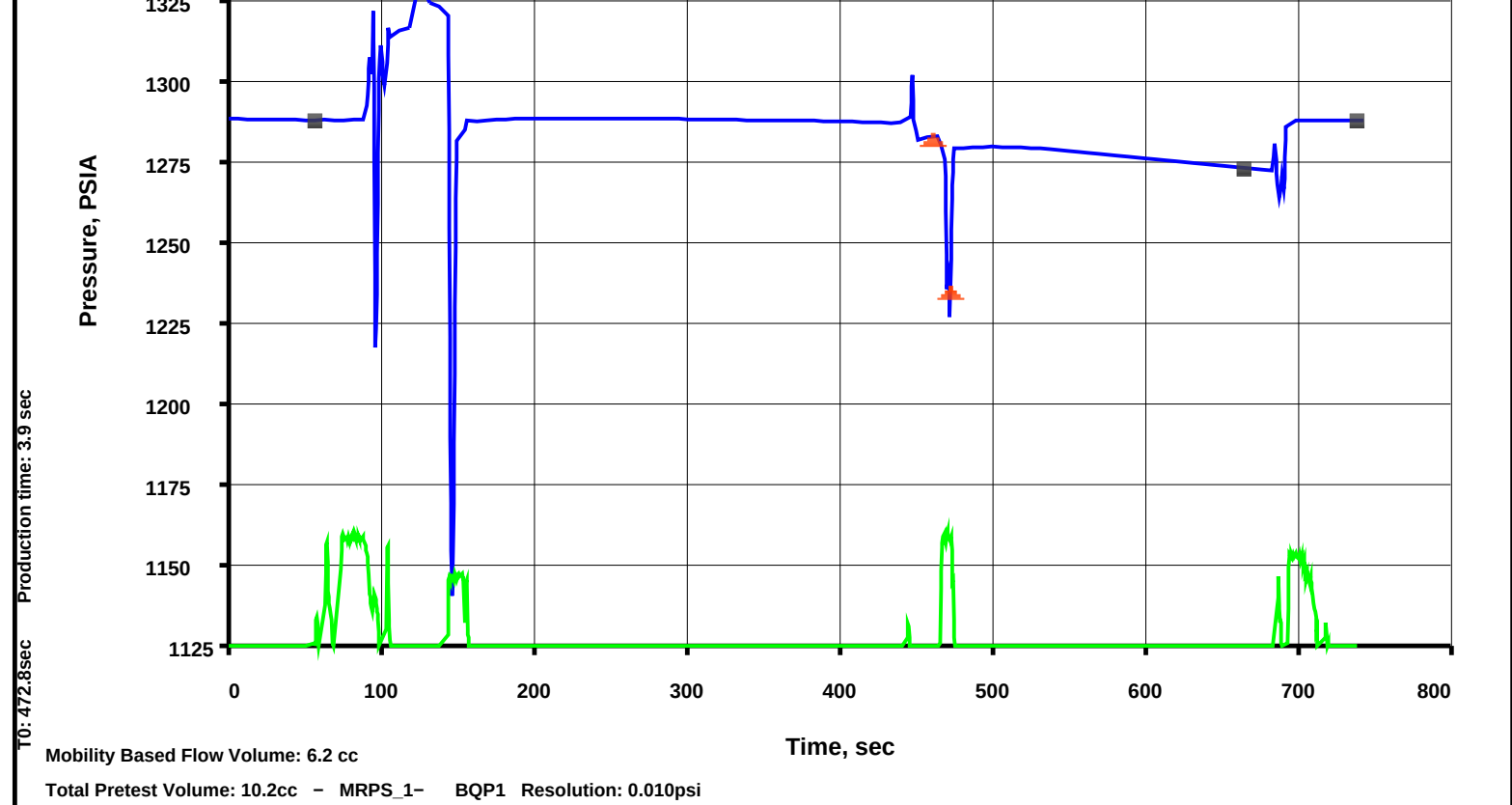


Company: SANDIA TECHNOLOGIES, LLC

Well: NYSTA TANDEM LOT 1

Output DLIS Files

DEFAULT	MDT_156LTP	FN:228	PRODUCER	19-Oct-2011 20:14	2686.5 FT
BACKUP	MDT_156LTP	FN:229	PRODUCER	19-Oct-2011 20:17	2686.5 FT



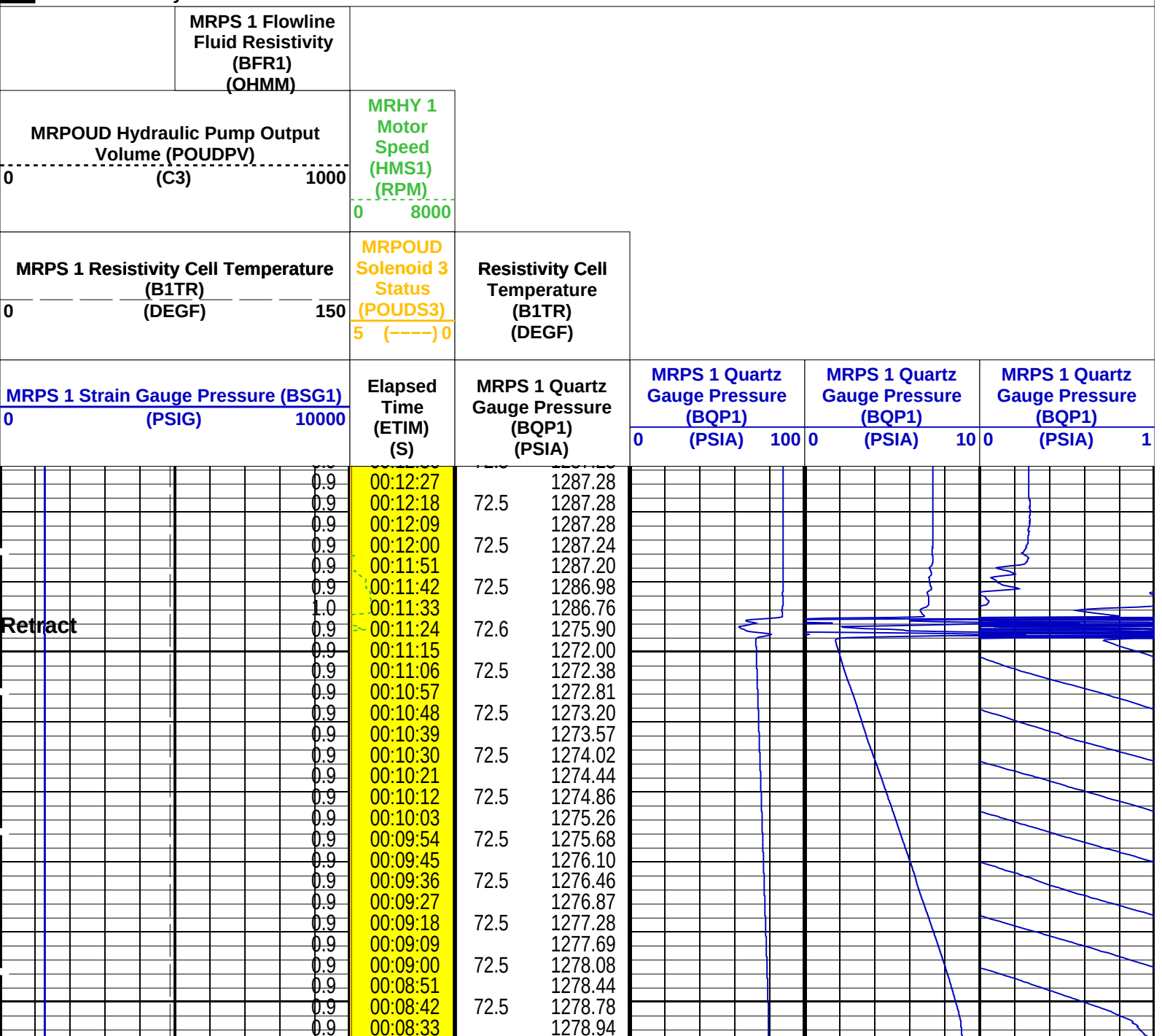
Output DLIS Files

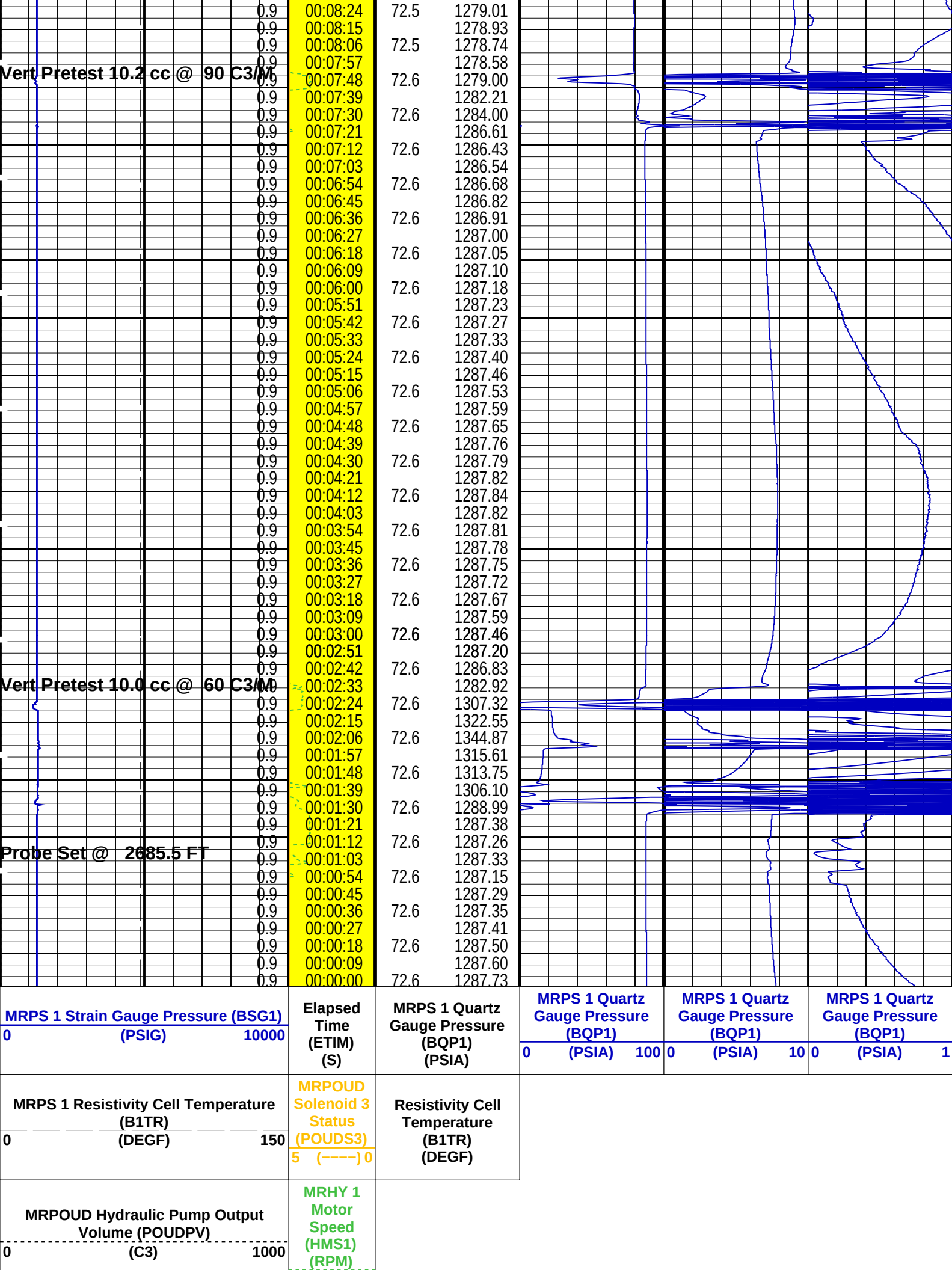
DEFAULT	MDT_157LTP	FN:230	PRODUCER	19-Oct-2011 20:20	2685.5 FT
BACKUP	MDT_157LTP	FN:231	PRODUCER	19-Oct-2011 20:23	2685.5 FT

Elapsed Time (s)	Event Summary
689.1	Retract Single Probe Module (MRPS) 1
461.4	Vert Pretest 10.2 cc @ 90 C3/M Single Probe Module (MRPS) 1
138.9	Vert Pretest 10.0 cc @ 60 C3/M Single Probe Module (MRPS) 1
69.6	Probe Set @ 2685.5 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S





	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	0 8000
--	--	--------

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 20:20

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

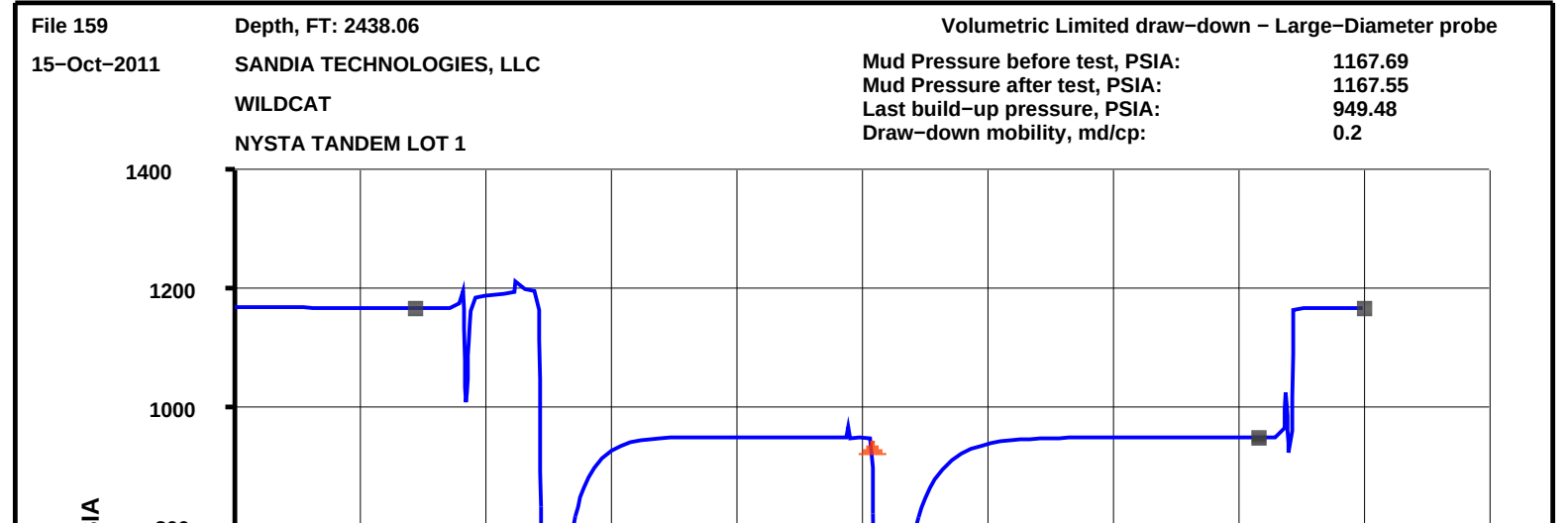
Output DLIS Files

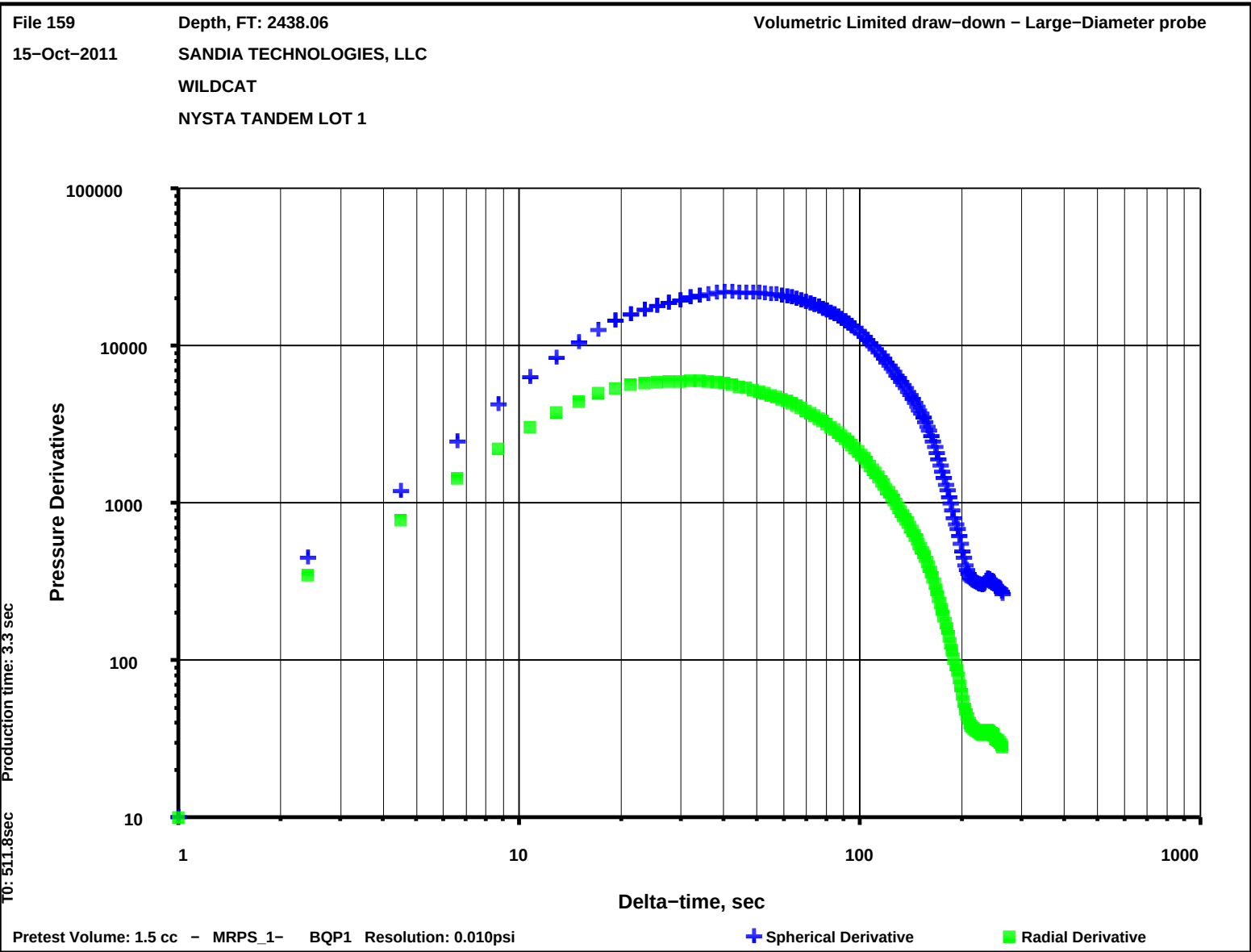
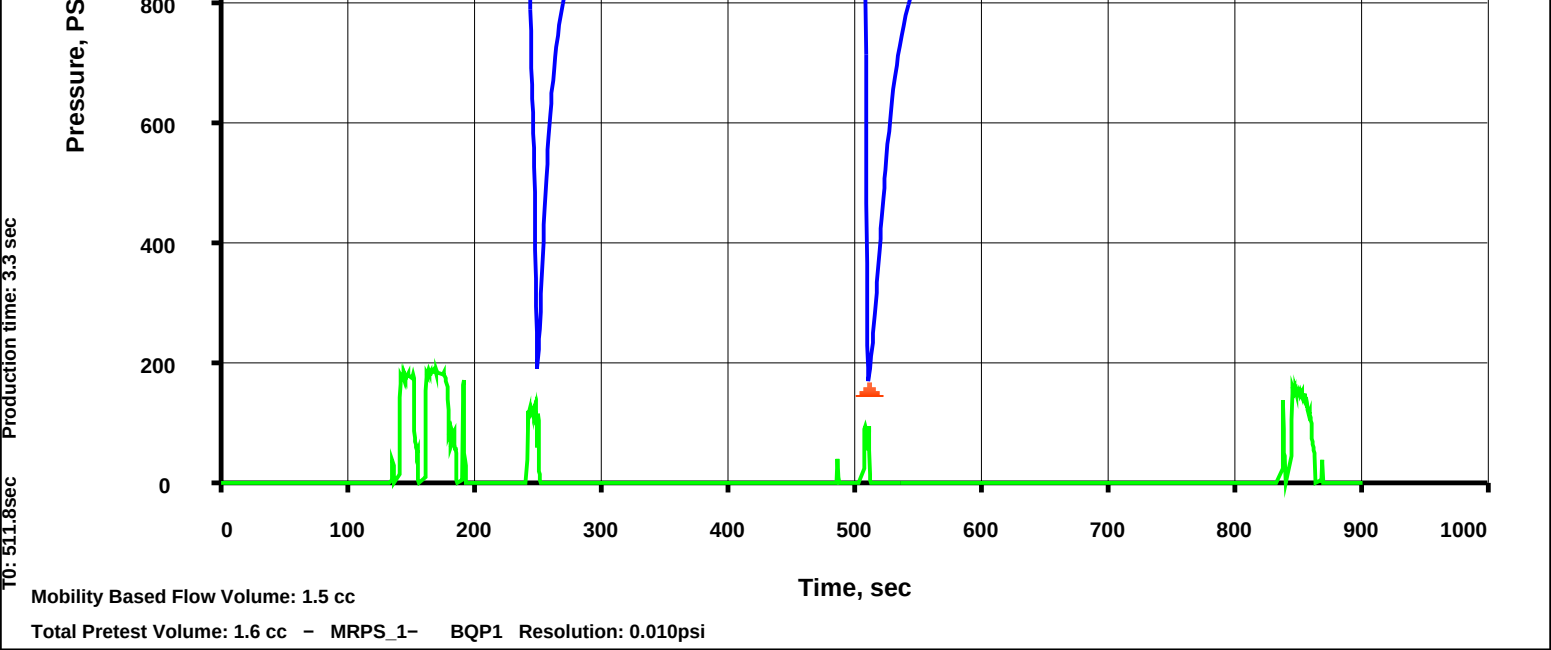
DEFAULT	MDT_157LTP	FN:230	PRODUCER	19-Oct-2011 20:20
BACKUP	MDT_157LTP	FN:231	PRODUCER	19-Oct-2011 20:23



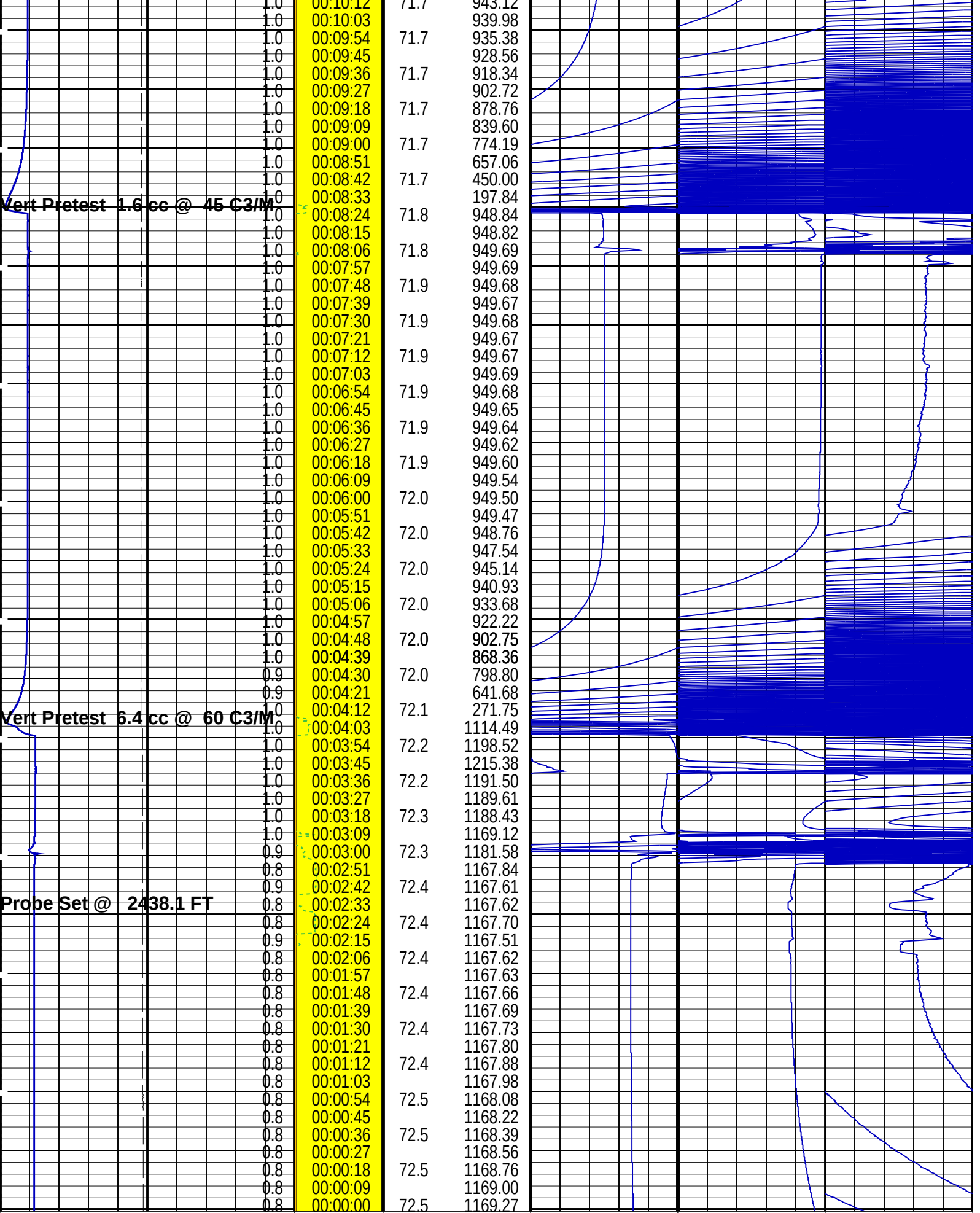
Pressure Test
2438.0 ft

MAXIS Field Log





Company: SANDIA TECHNOLOGIES, LLC					Well: NYSTA TANDEM LOT 1	
Output DLIS Files						
DEFAULT	MDT_159LTP	FN:234	PRODUCER	19-Oct-2011 20:39	2438.1 FT	
BACKUP	MDT_159LTP	FN:235	PRODUCER	19-Oct-2011 20:42	2438.1 FT	



MRPS 1 Strain Gauge Pressure (BSG1)			Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
0	(PSIG)	10000			0	100	0	10	0	1

MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		150	MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		1000	MRHY 1 Motor Speed (HMS1) (RPM) 0 8000	
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT

Format: MRPS1/MRPQ1_Station Vertical Scale: 1" per 60S Graphics File Created: 19-Oct-2011 20:39

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

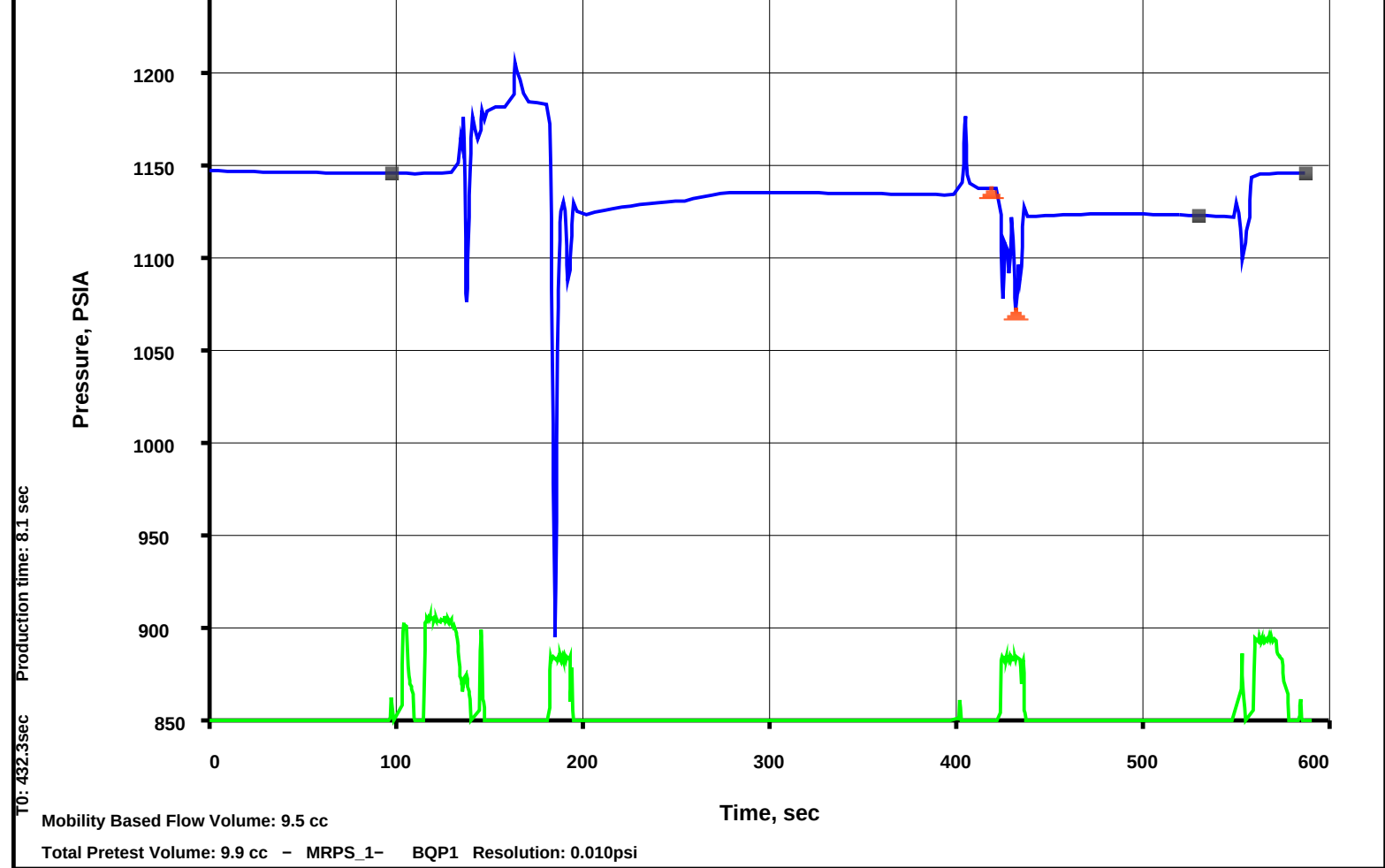
DEFAULT	MDT_159LTP	FN:234	PRODUCER	19-Oct-2011 20:39
BACKUP	MDT_159LTP	FN:235	PRODUCER	19-Oct-2011 20:42

Schlumberger

Pressure Test
2392.0 ft

MAXIS Field Log

File 160	Depth, FT: 2391.94	Volumetric Limited draw-down - Large-Diameter probe	
15-Oct-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA:	1145.09
	WILDCAT	Mud Pressure after test, PSIA:	1145.17
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA:	1122.2
		Draw-down mobility, md/cp:	72.8



Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

Output DLIS Files

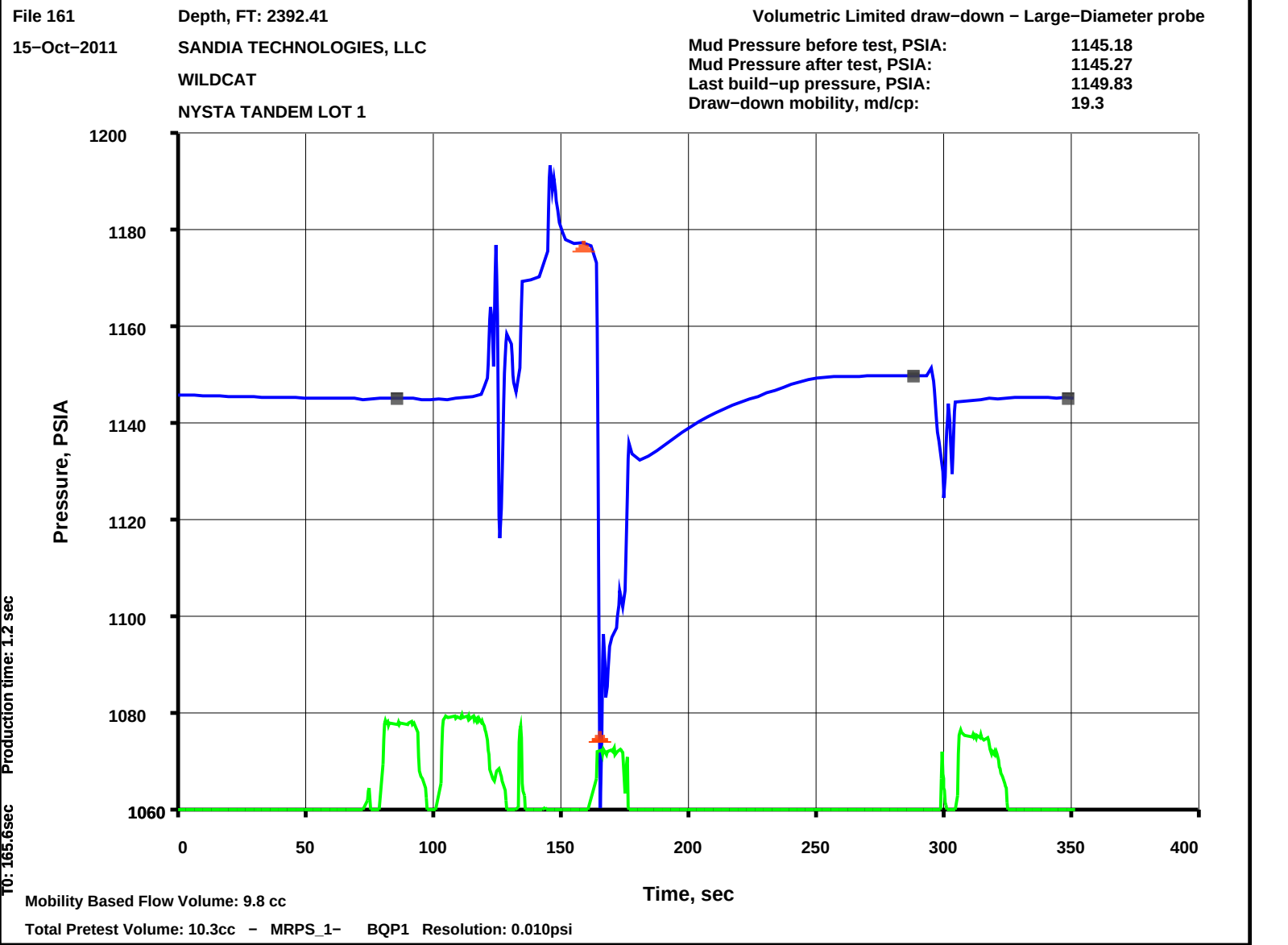
DEFAULT	MDT_160LTP	FN:236	PRODUCER	19-Oct-2011 20:57	2391.9 FT
BACKUP	MDT_160LTP	FN:237	PRODUCER	19-Oct-2011 21:01	2391.9 FT

Elapsed Time (s)	Event Summary
555.6	Retract Single Probe Module (MRPS) 1
419.1	Vert Pretest 9.9 cc @ 60 C3/M Single Probe Module (MRPS) 1
177.6	Vert Pretest 9.8 cc @ 60 C3/M Single Probe Module (MRPS) 1
111.0	Probe Set @ 2391.9 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S			
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)			
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRHY 1 Motor Speed (HMS1) (RPM)	
0 1000		0 8000	
MRPS 1 Resistivity Cell Temperature		MRPOUD Solenoid 2 Resistivity Cell	

MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)			Sorehead 3 Status (POUDS3) 5 (----) 0		Resistivity Cell Temperature (B1TR) (DEGF)					
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)			Elapsed Time (ETIM) (S)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	
0 10000							0 100	0 10	0 1	
Retract			00:10:00		70.6	1145.17				
			00:09:54			1145.15				
			00:09:45			1145.04				
			00:09:36		70.7	1144.50				
			00:09:27			1138.37				
			00:09:18		70.7	1121.38				
			00:09:09			1121.95				
			00:09:00		70.7	1122.21				
			00:08:51			1122.46				
			00:08:42		70.7	1122.71				
Vert Pretest 9.9 cc @ 60 C3/M			00:08:33		70.7	1122.91				
			00:08:24			1123.03				
			00:08:15		70.7	1123.09				
			00:08:06			1123.08				
			00:07:57		70.7	1122.92				
			00:07:48			1122.61				
			00:07:39		70.8	1122.14				
			00:07:30			1121.27				
			00:07:21		70.8	1071.26				
			00:07:12			1135.96				
Vert Pretest 9.8 cc @ 60 C3/M			00:07:03		70.8	1136.80				
			00:06:54			1175.60				
			00:06:45		70.8	1133.38				
			00:06:36			1133.49				
			00:06:27		70.8	1133.60				
			00:06:18			1133.75				
			00:06:09		70.8	1133.91				
			00:06:00			1134.04				
			00:05:51		70.8	1134.17				
			00:05:42			1134.30				
Probe Set @ 2391.9 FT			00:05:33		70.8	1134.41				
			00:05:24			1134.52				
			00:05:15		70.9	1134.62				
			00:05:06			1134.68				
			00:04:57		70.9	1134.79				
			00:04:48			1134.67				
			00:04:39		70.9	1133.38				
			00:04:30			1131.68				
			00:04:21		70.9	1129.94				
			00:04:12			1129.25				
			00:04:03		70.9	1128.40				
			00:03:54			1127.28				
			00:03:45		70.9	1125.81				
			00:03:36			1124.02				
			00:03:27		70.9	1123.36				
			00:03:18			1128.68				
			00:03:09		71.0	1182.18				
			00:03:00			1183.58				
			00:02:51		71.0	1180.92				
			00:02:42			1180.45				
			00:02:33		71.0	1162.72				
			00:02:24			1163.42				
			00:02:15		71.1	1145.33				
			00:02:06			1144.98				
			00:01:57		71.1	1144.91				
			00:01:48			1144.97				
			00:01:39		71.1	1145.09				
			00:01:30			1145.13				
			00:01:21		71.1	1145.19				
			00:01:12			1145.27				
			00:01:03		71.1	1145.37				
			00:00:54			1145.48				
			00:00:45		71.1	1145.61				
			00:00:36			1145.36				
			00:00:27							
			00:00:18							
			00:00:09							
			00:00:00							
			00:00:00							
			00:00:00							



Company: SANDIA TECHNOLOGIES, LLC

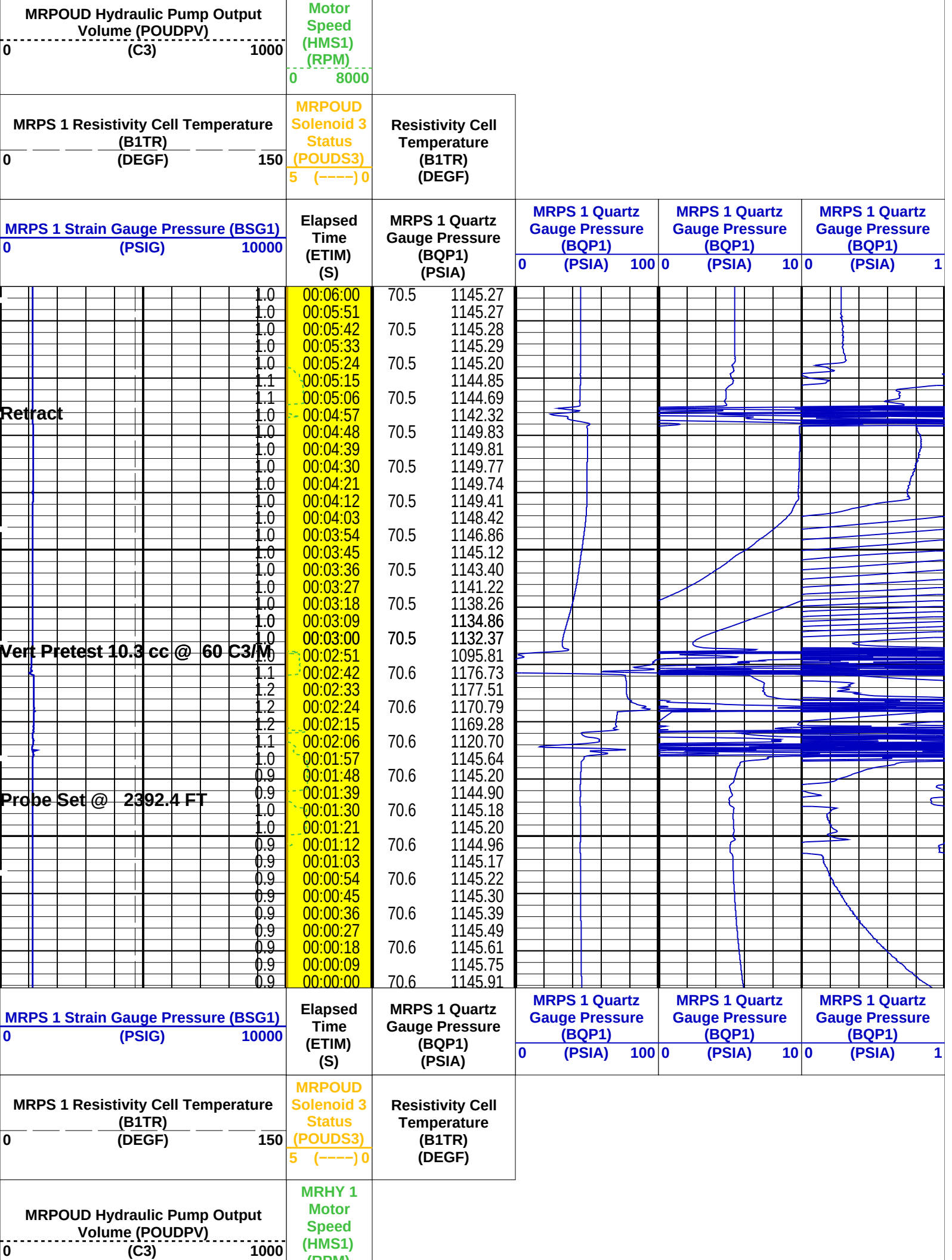
Well: NYSTA TANDEM LOT 1

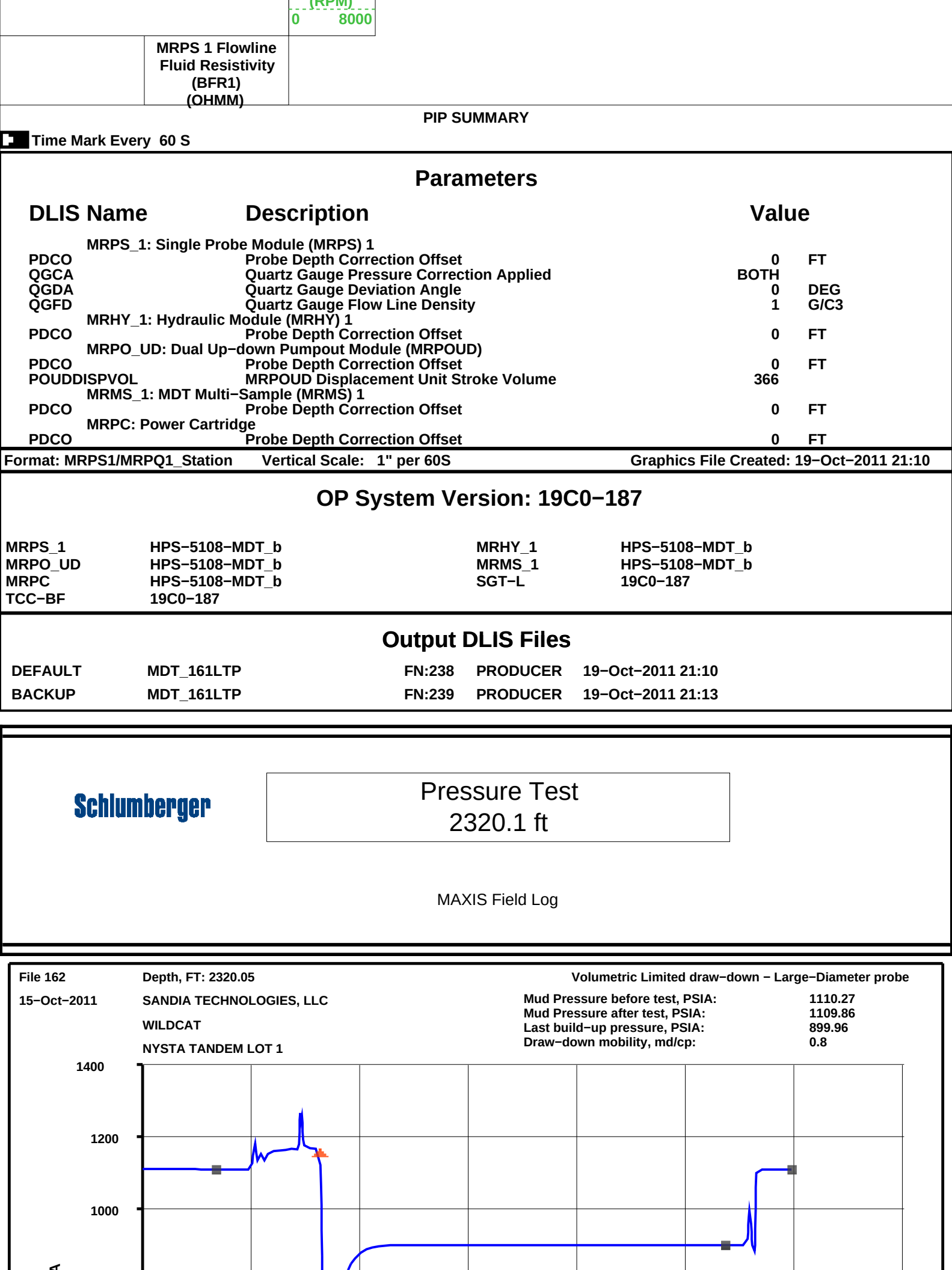
Output DLIS Files					
DEFAULT	MDT_161LTP	FN:238	PRODUCER	19-Oct-2011 21:10	2392.4 FT
BACKUP	MDT_161LTP	FN:239	PRODUCER	19-Oct-2011 21:13	2392.4 FT

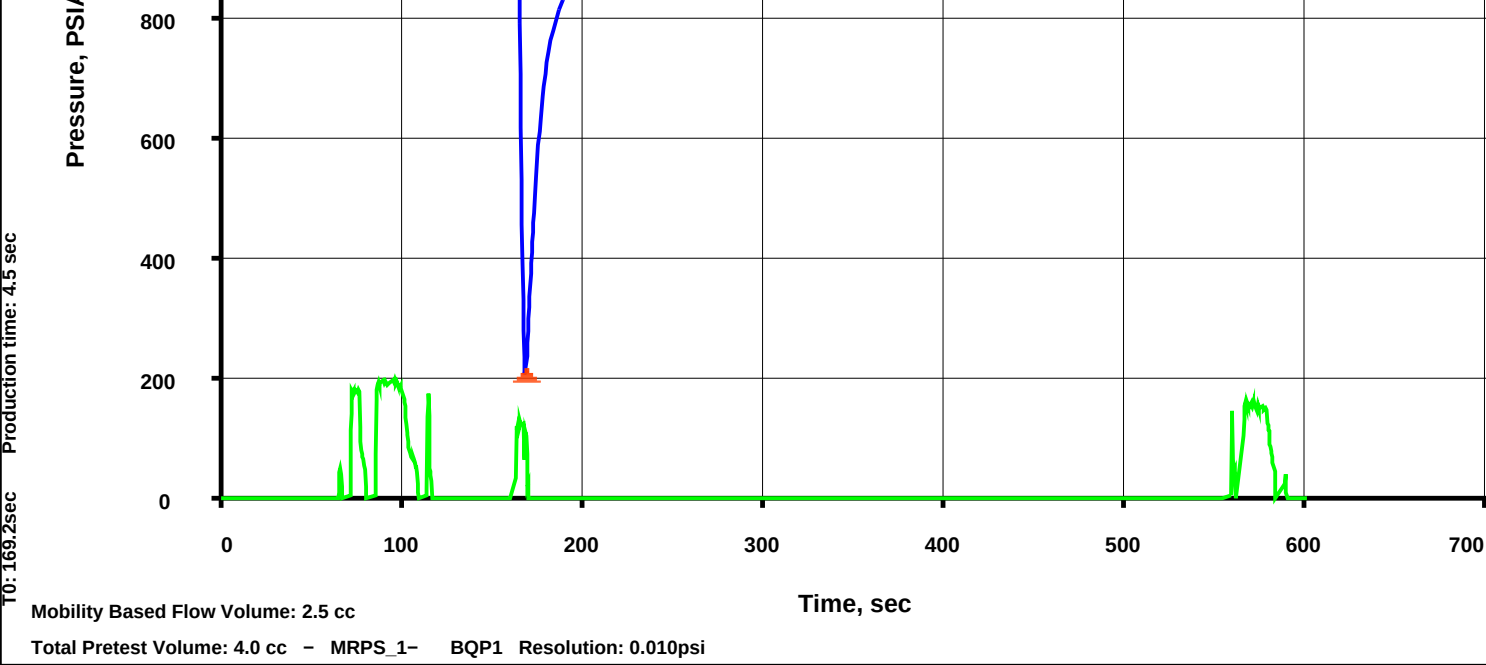
Elapsed Time (s)	Event Summary
301.5	Retract Single Probe Module (MRPS) 1
159.3	Vert Pretest 10.3 cc @ 60 C3/M Single Probe Module (MRPS) 1
99.0	Probe Set @ 2392.4 FT Single Probe Module (MRPS) 1

PIP SUMMARY

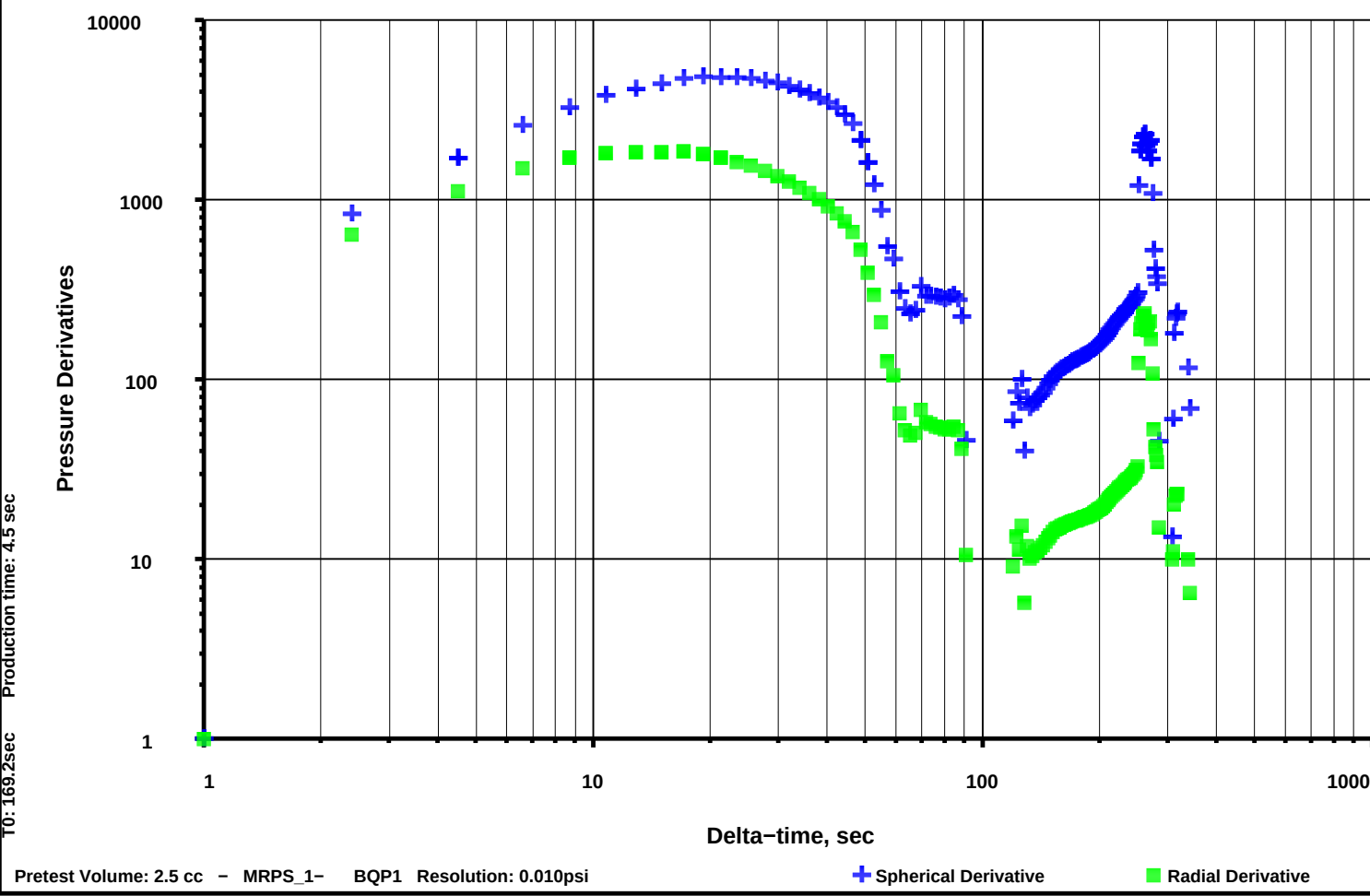
Time Mark Every 60 S		
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	
		MRHY 1







File 162 Depth, FT: 2320.05 Volumetric Limited draw-down - Large-Diameter probe
15-Oct-2011 SANDIA TECHNOLOGIES, LLC
WILDCAT
NYSTA TANDEM LOT 1

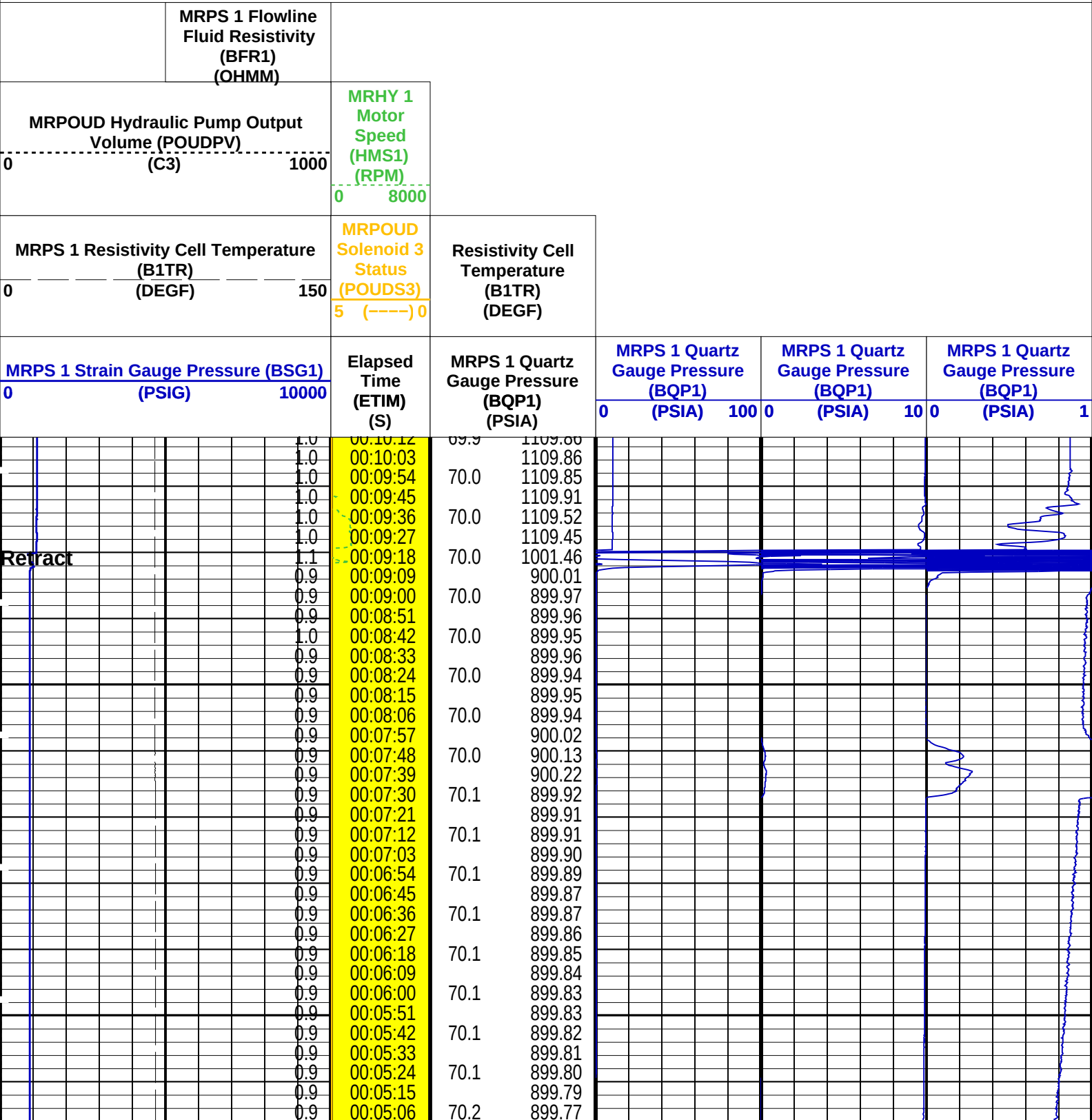


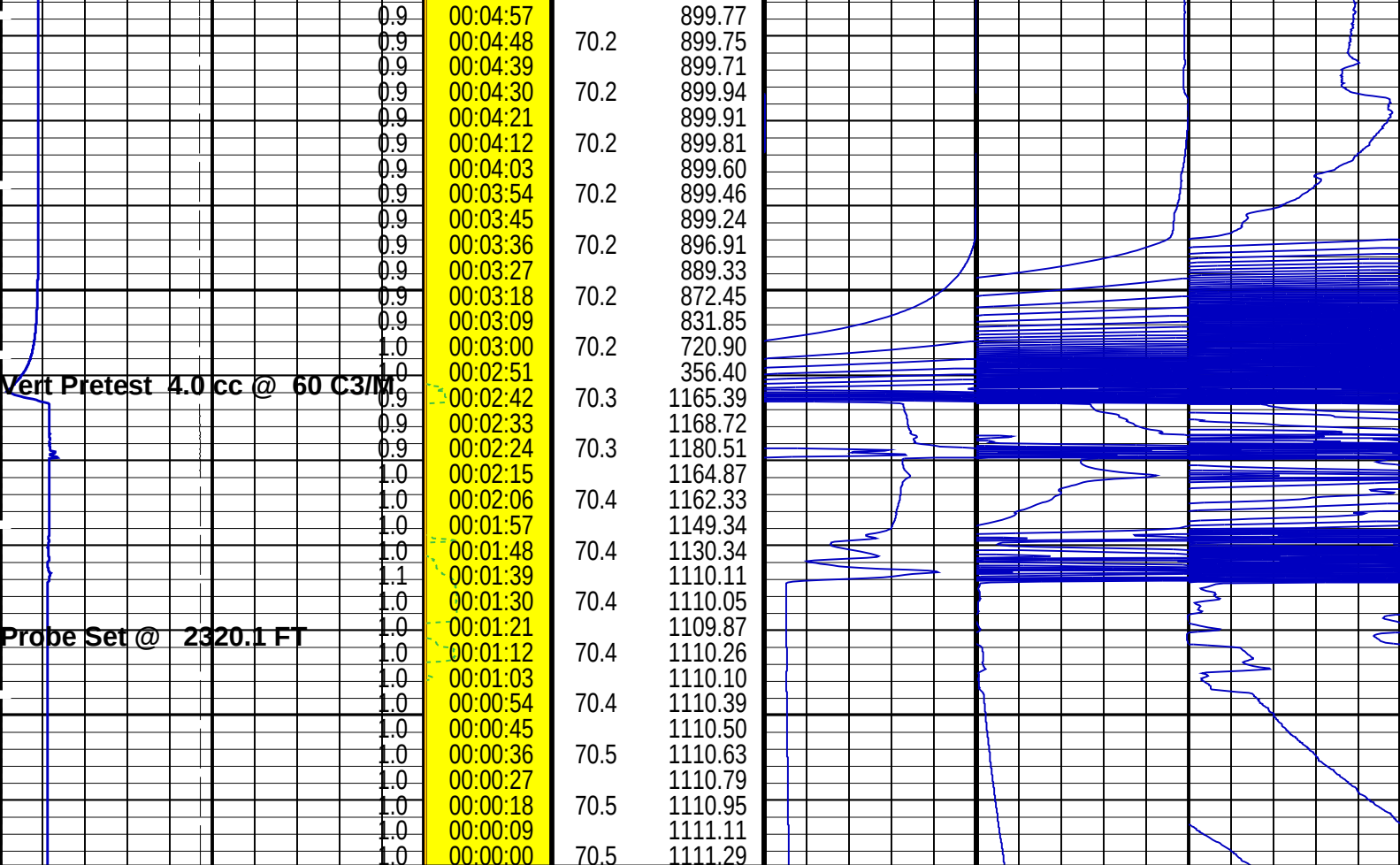
Company: SANDIA TECHNOLOGIES, LLC					Well: NYSTA TANDEM LOT 1	
Output DLIS Files						
DEFAULT	MDT_162LTP	FN:240	PRODUCER	19-Oct-2011 21:22	2320.0 FT	
BACKUP	MDT_162LTP	FN:241	PRODUCER	19-Oct-2011 21:25	2320.0 FT	

Elapsed Time (s)	Event Summary
561.0 158.7 81.3	Retract Single Probe Module (MRPS) 1 Vert Pretest 4.0 cc @ 60 C3/M Single Probe Module (MRPS) 1 Probe Set @ 2320.1 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S





MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 100		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 10		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 1	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 0 150		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)						
MRPOUD Hydraulic Pump Output Volume (POUDPV) 0 (C3) 1000		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000							
	MRPS 1 Flowline Fluid Resistivity (BFR1) (QHMM)								

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
MRPS_1: Single Probe Module (MRPS) 1			
PDCO	Probe Depth Correction Offset	0	FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1	G/C3
MRHY_1: Hydraulic Module (MRHY) 1			
PDCO	Probe Depth Correction Offset	0	FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)			
PDCO	Probe Depth Correction Offset	0	FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366	
MRMS_1: MDT Multi-Sample (MRMS) 1			
PDCO	Probe Depth Correction Offset	0	FT

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

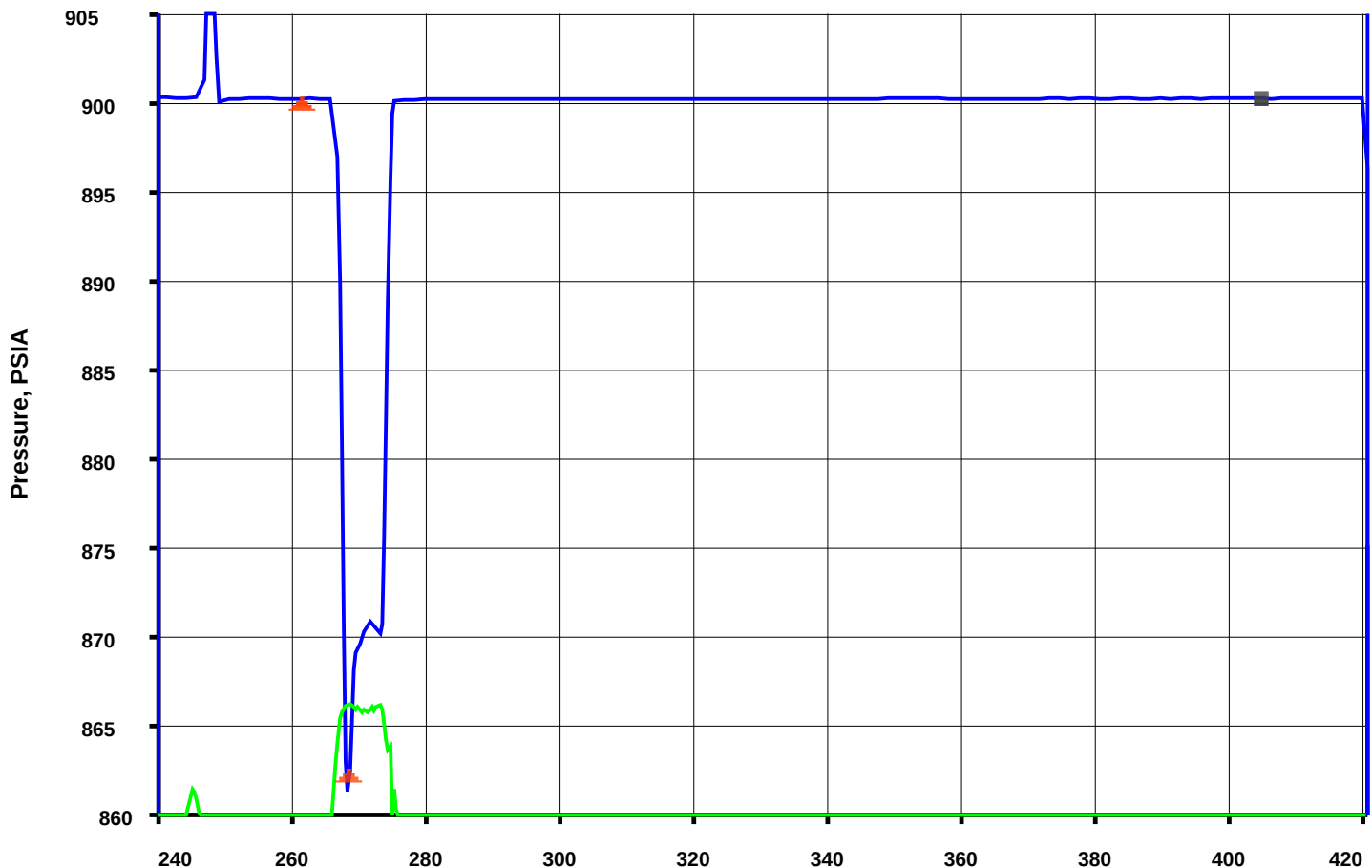
DEFAULT	MDT_162LTP	FN:240	PRODUCER	19-Oct-2011 21:22
BACKUP	MDT_162LTP	FN:241	PRODUCER	19-Oct-2011 21:25

Schlumberger

Fluid Test
2322.0 ft

MAXIS Field Log

File 163	Depth, FT: 2321.97	Volumetric Limited draw-down - Large-Diameter probe	
15-Oct-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA:	1110.9
	WILDCAT	Mud Pressure after test, PSIA:	1134.65
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA:	900.22
		Draw-down mobility, md/cp:	110.9



Mobility Based Flow Volume: 10.1cc

Total Pretest Volume: 10.1cc - MRPS_1- BQP1 Resolution: 0.010psi

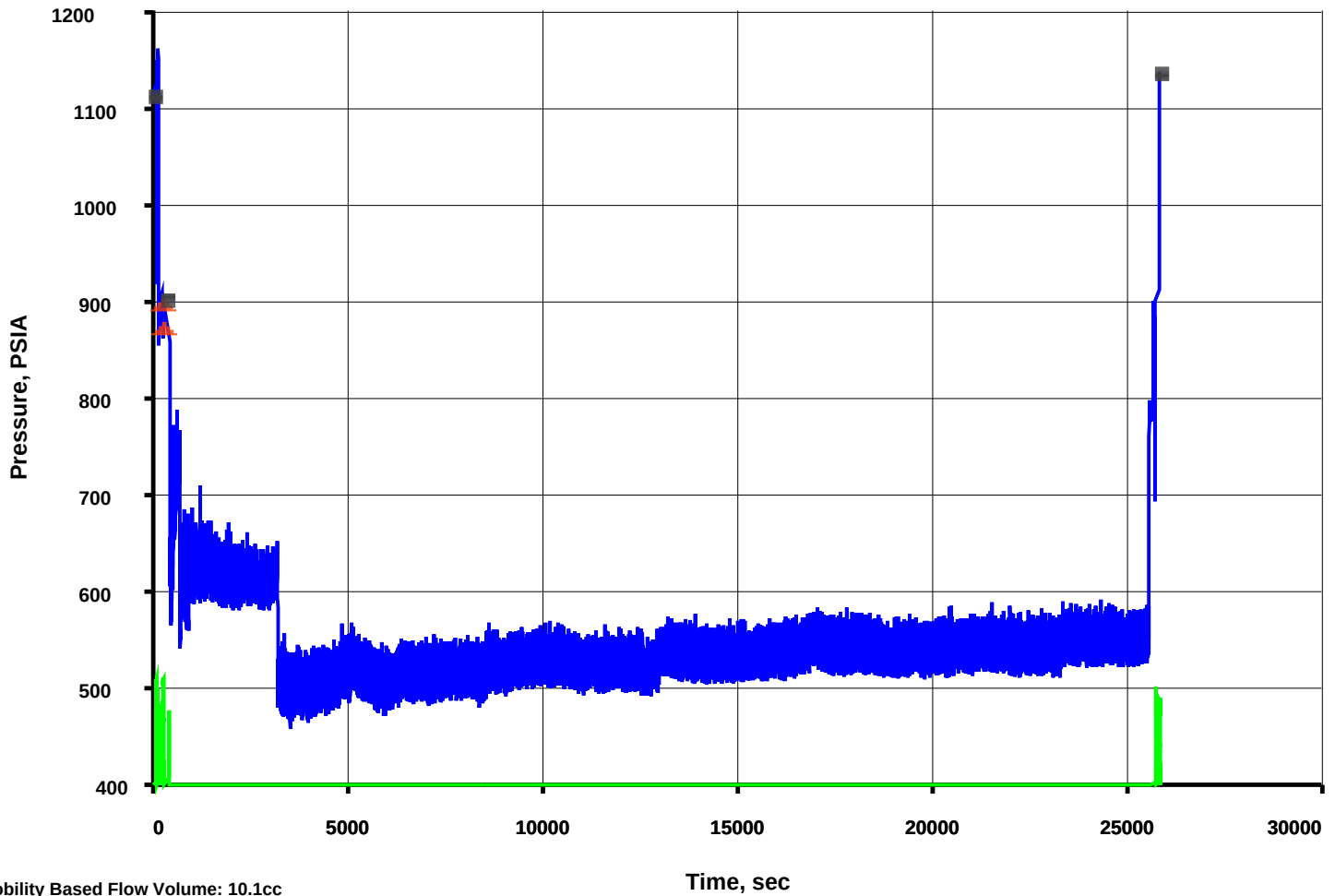
15-Oct-2011

SANDIA TECHNOLOGIES, LLC

Mud Pressure before test, PSIA:	1110.9
Mud Pressure after test, PSIA:	1134.65
Last build-up pressure, PSIA:	900.22
Draw-down mobility, md/cp:	110.9

WILDCAT

NYSTA TANDEM LOT 1



Mobility Based Flow Volume: 10.1cc

Total Pretest Volume: 10.1cc - MRPS_1- BQP1 Resolution: 0.010psi

File 163

Depth, FT: 2321.97

Volumetric Limited draw-down – Large-Diameter probe

15-Oct-2011

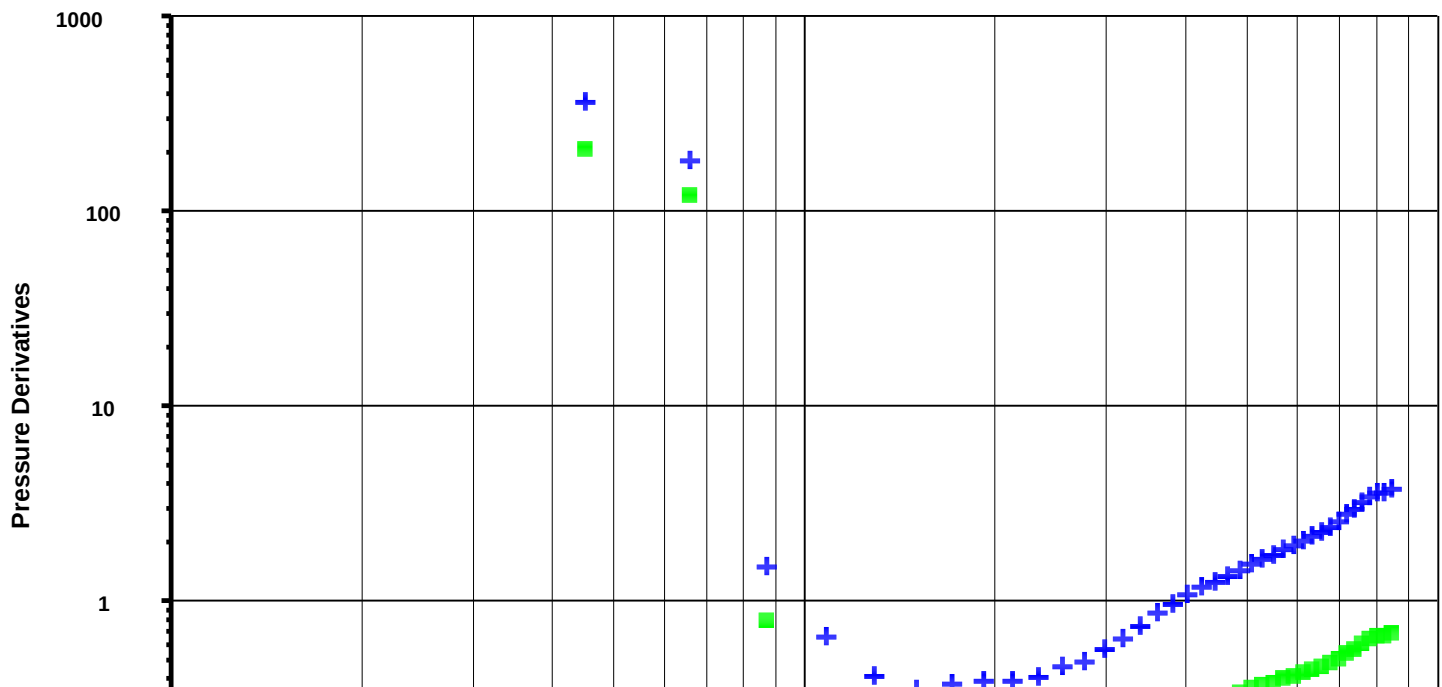
SANDIA TECHNOLOGIES, LLC

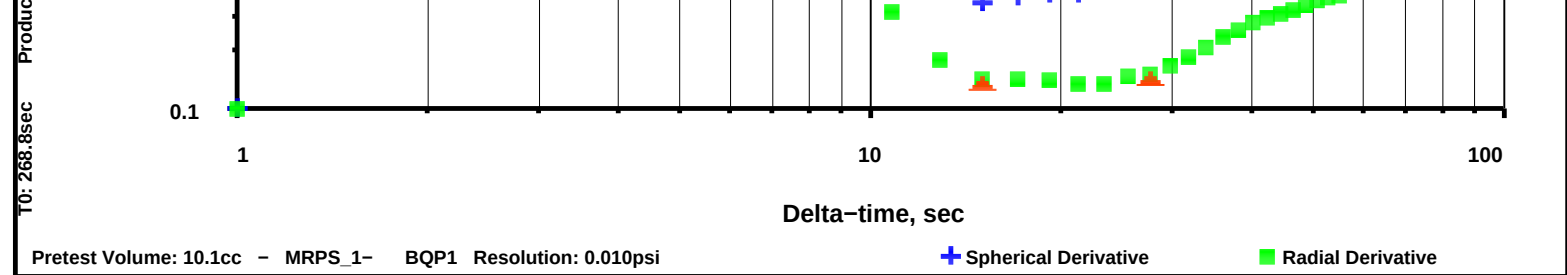
WILDCAT

NYSTA TANDEM LOT 1

From picks on Radial derivative:

Slope on Spherical:	0.5
Slope on Radial	0.04





Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

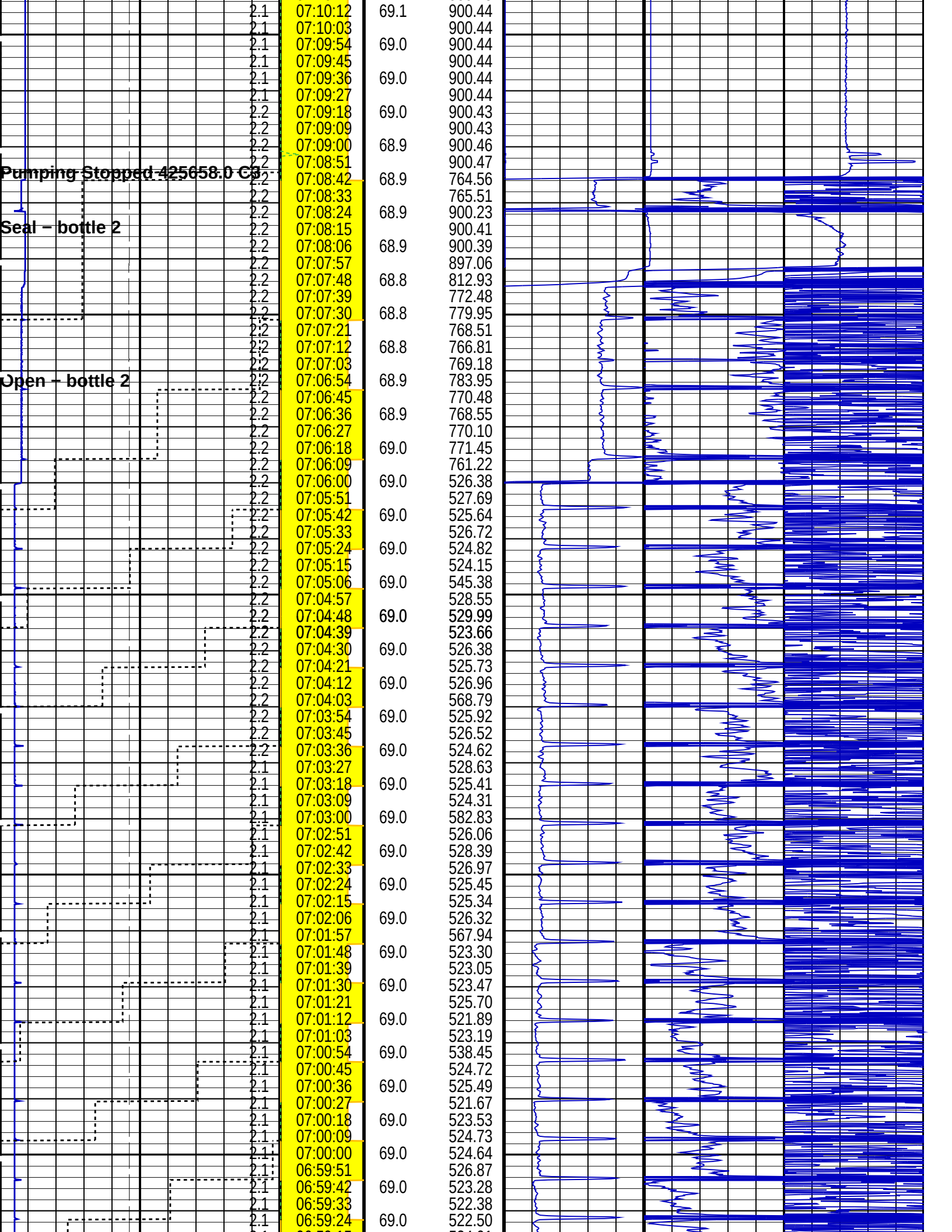
Output DLIS Files

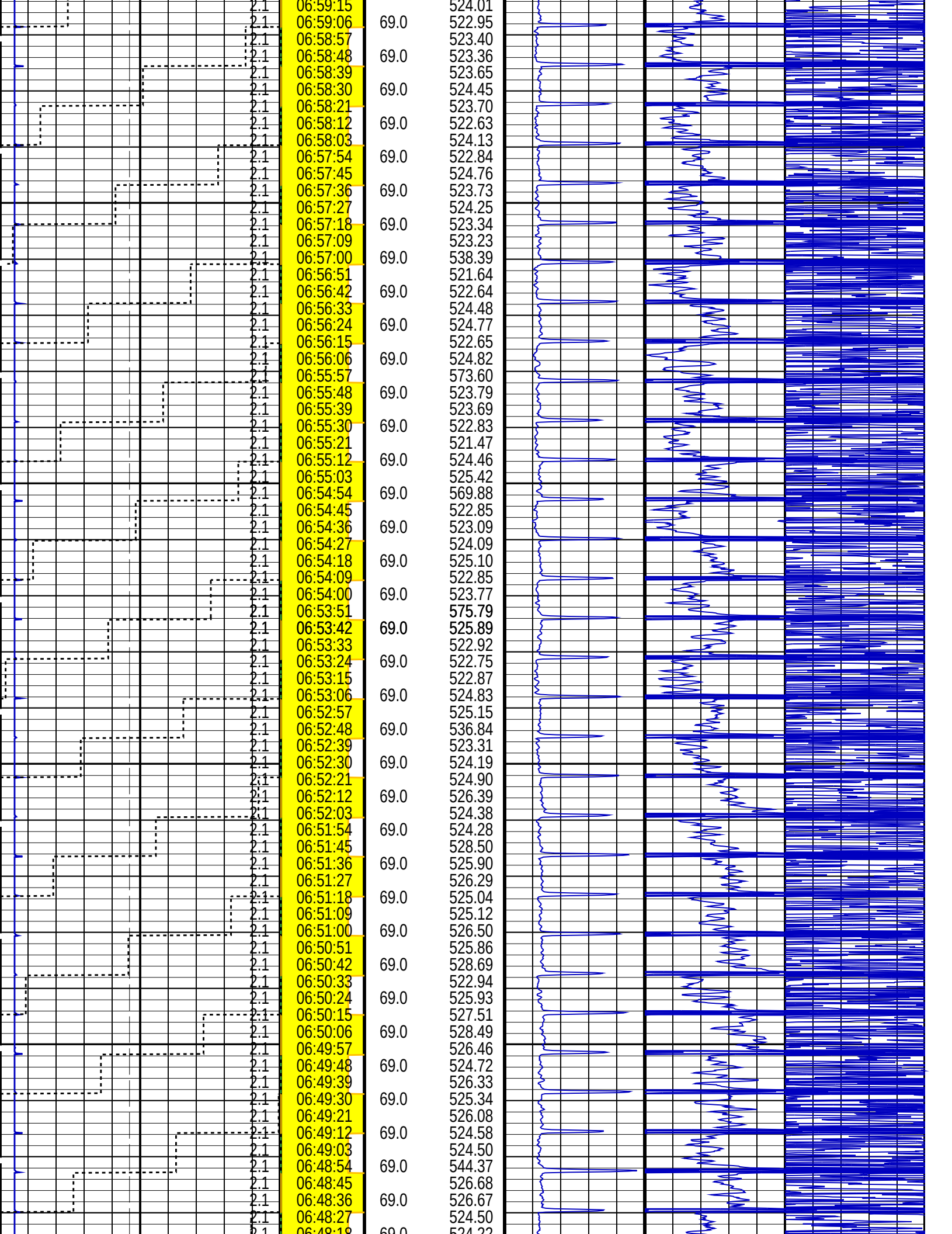
DEFAULT	MDT_163LTP	FN:242	PRODUCER	19-Oct-2011 21:34	2322.0 FT
BACKUP	MDT_163LTP	FN:243	PRODUCER	19-Oct-2011 21:37	2322.0 FT

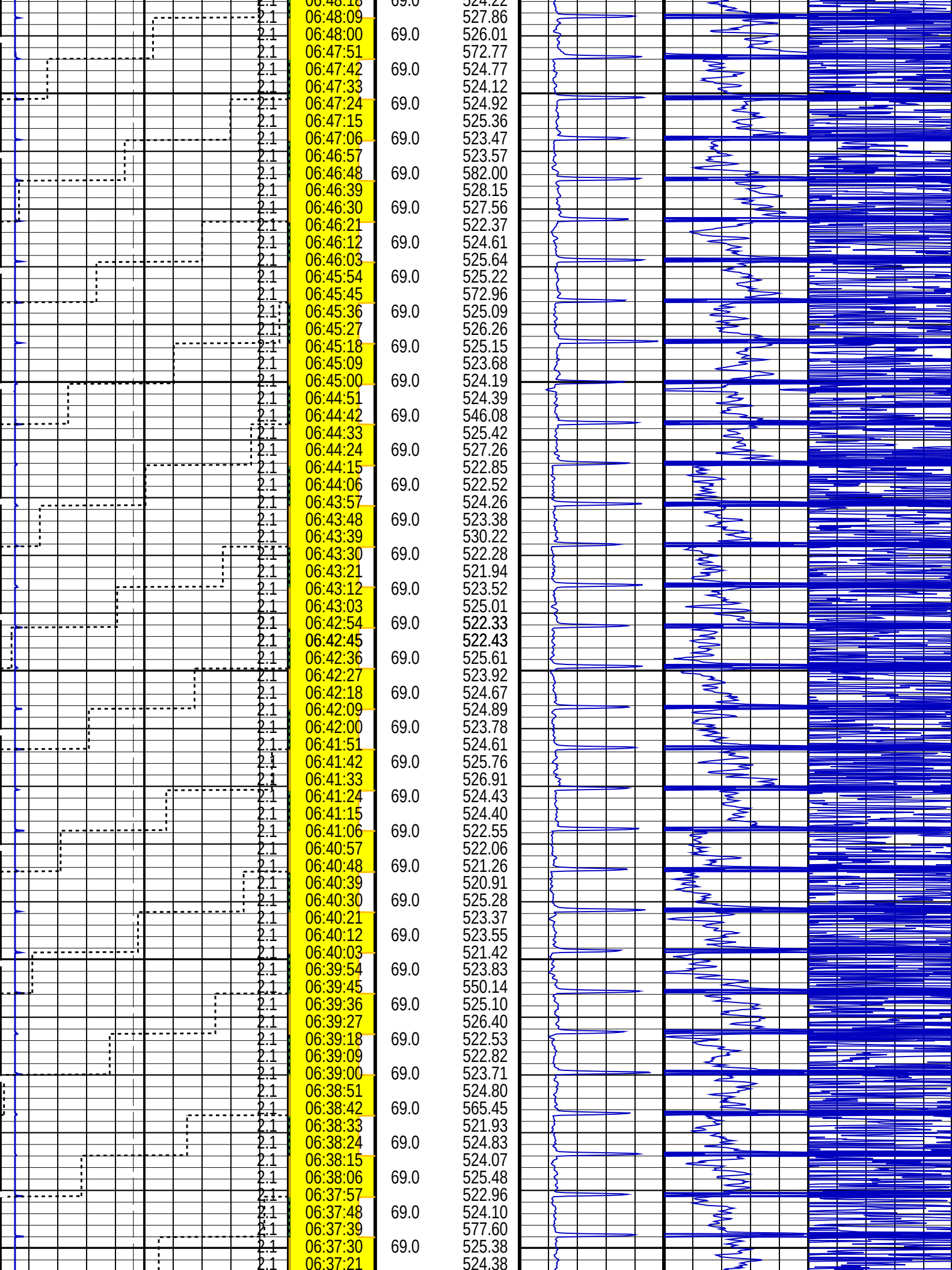
Elapsed Time (s)	Event Summary
25831.2	Retract Single Probe Module (MRPS) 1
25728.9	Pumping Stopped 425658.0 C3 Dual Up-down Pumpout Module (MRPOUD)
25699.5	Seal MDT Multi-Sample (MRMS) 1, bottle 2
25617.3	Open MDT Multi-Sample (MRMS) 1, bottle 2, sample number = 2
447.6	Pump Up Started Dual Up-down Pumpout Module (MRPOUD)
261.6	Vert Pretest 10.1 cc @ 90 C3/M Single Probe Module (MRPS) 1
148.5	Vert Pretest 10.1 cc @ 60 C3/M Single Probe Module (MRPS) 1
84.6	Probe Set @ 2322.0 FT Single Probe Module (MRPS) 1

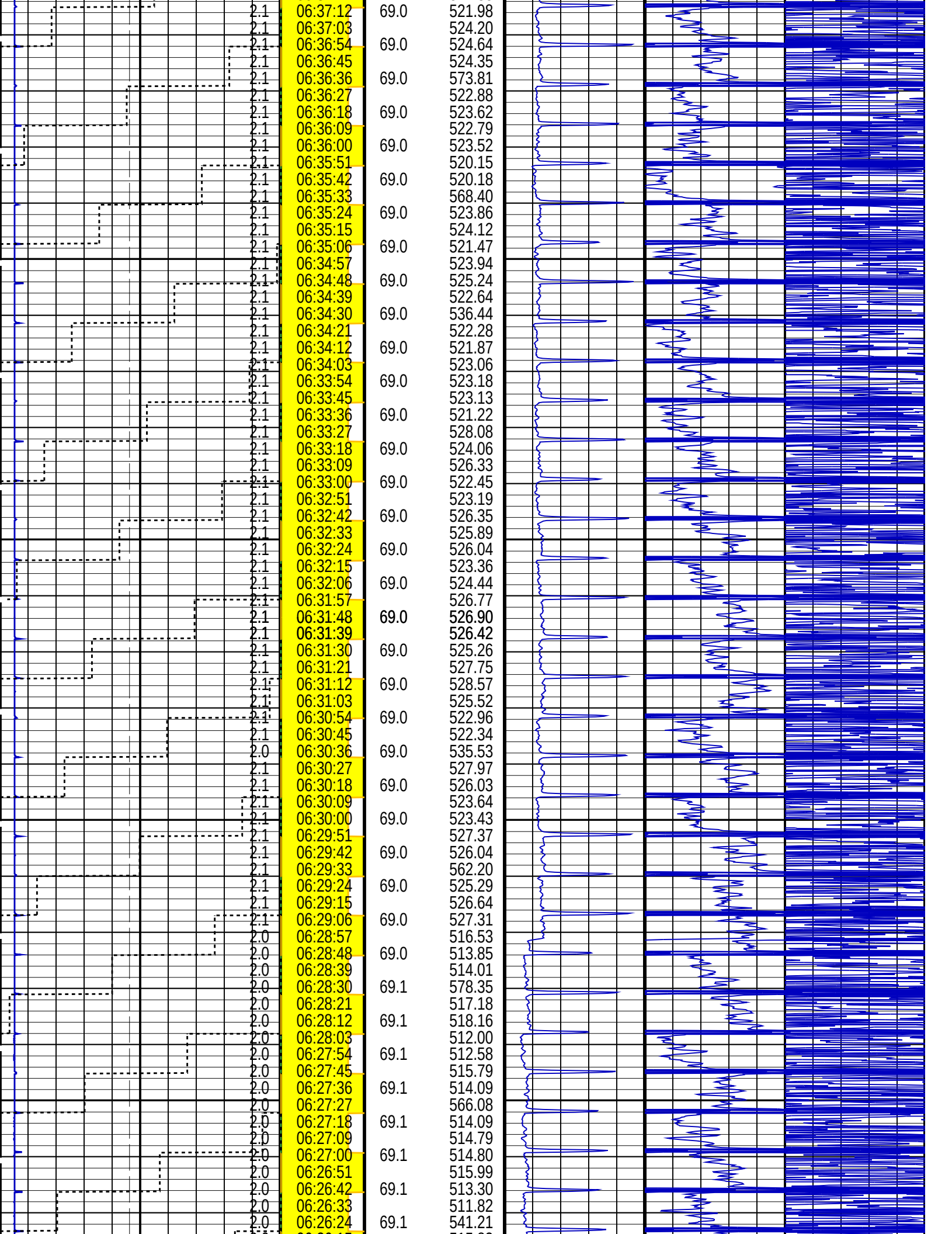
PIP SUMMARY

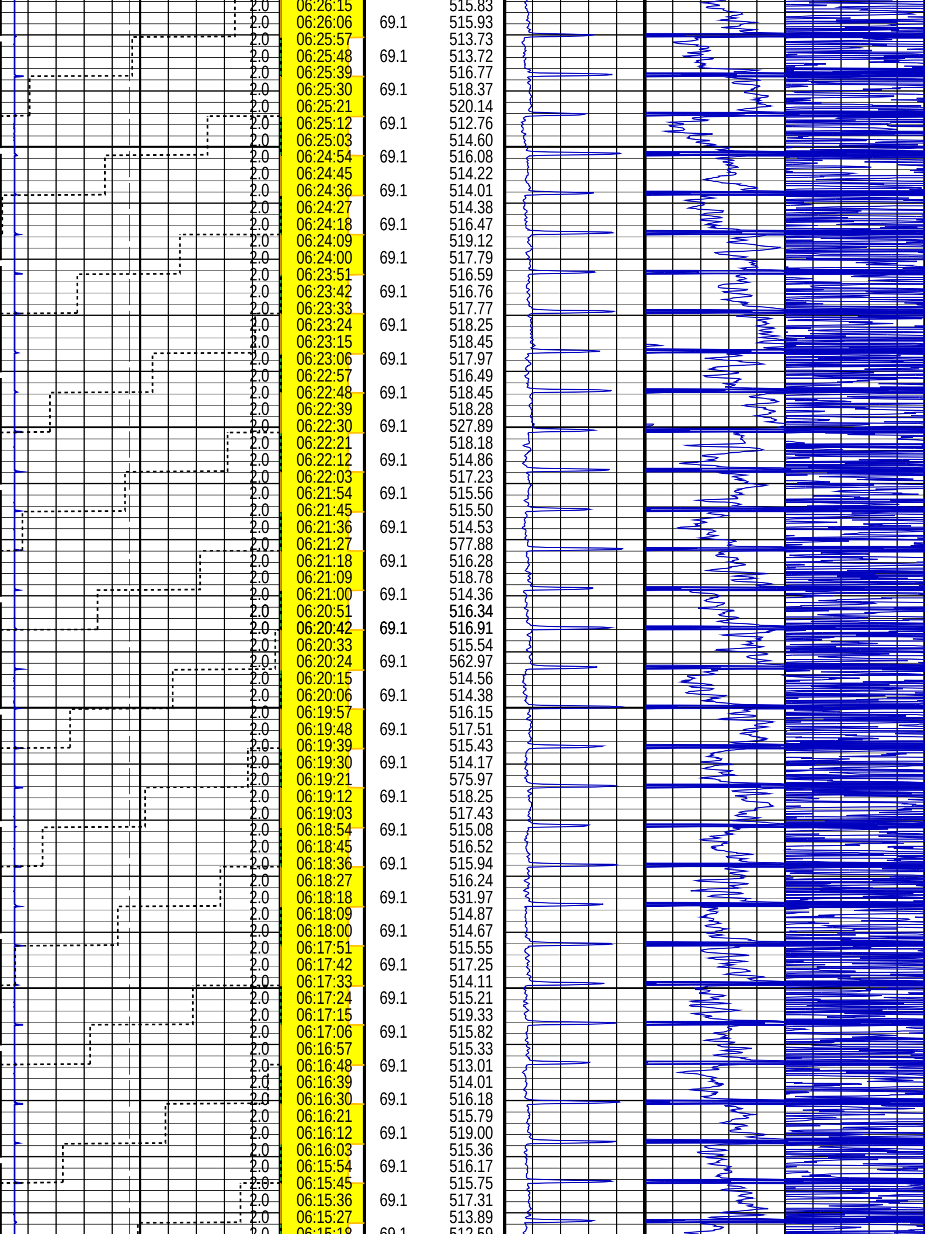
Time Mark Every 60 S						
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)						
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRHY 1 Motor Speed (HMS1) (RPM)				
0-----1000		0-----8000				
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		MRPOUD Solenoid 3 Status (POUDS3)	Resistivity Cell Temperature (B1TR) (DEGF)			
0-----150		5 (----) 0				
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
0-----10000				0-----100	0-----10	0-----1
		0.8 07:11:42	69.3 1134.50			
		0.8 07:11:33	1134.54			
		0.8 07:11:24	69.3 1135.03			
		0.8 07:11:15	1135.53			
		0.8 07:11:06	69.2 1136.03			
		0.8 07:10:57	1136.59			
		0.8 07:10:48	69.2 1136.83			
		0.8 07:10:39	1137.42			
		2.1 07:10:30	69.1 900.12			
		2.1 07:10:21	900.45			
Retract						

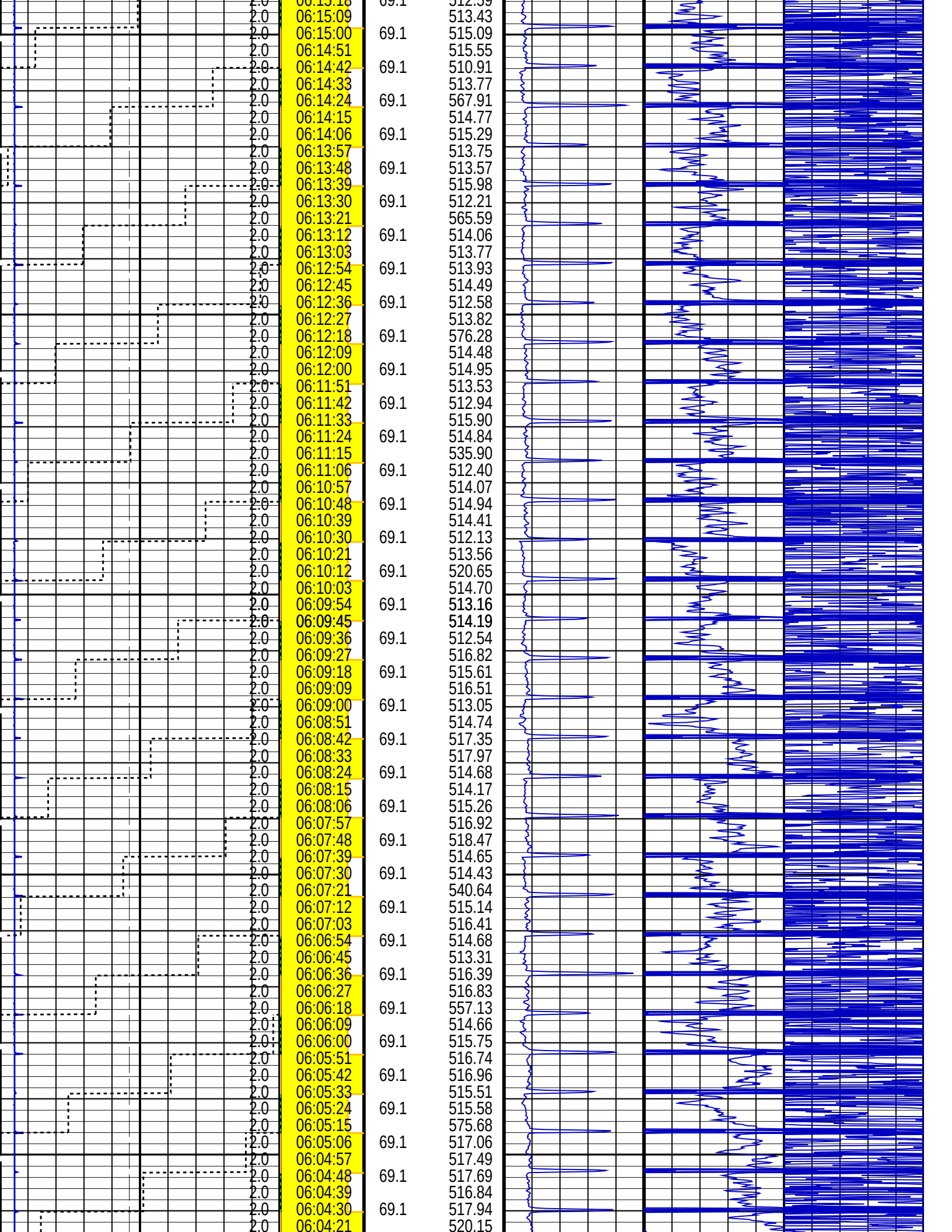


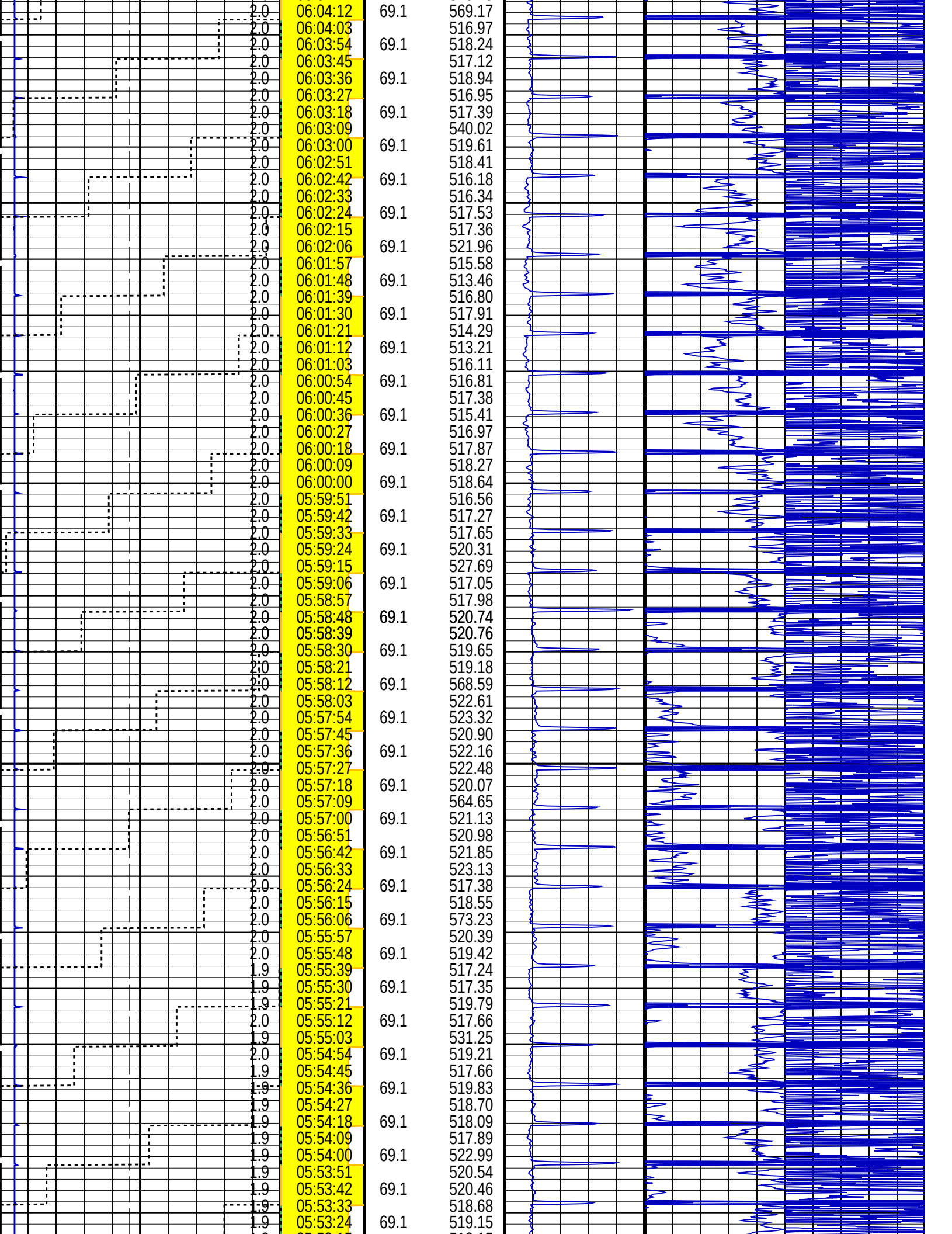


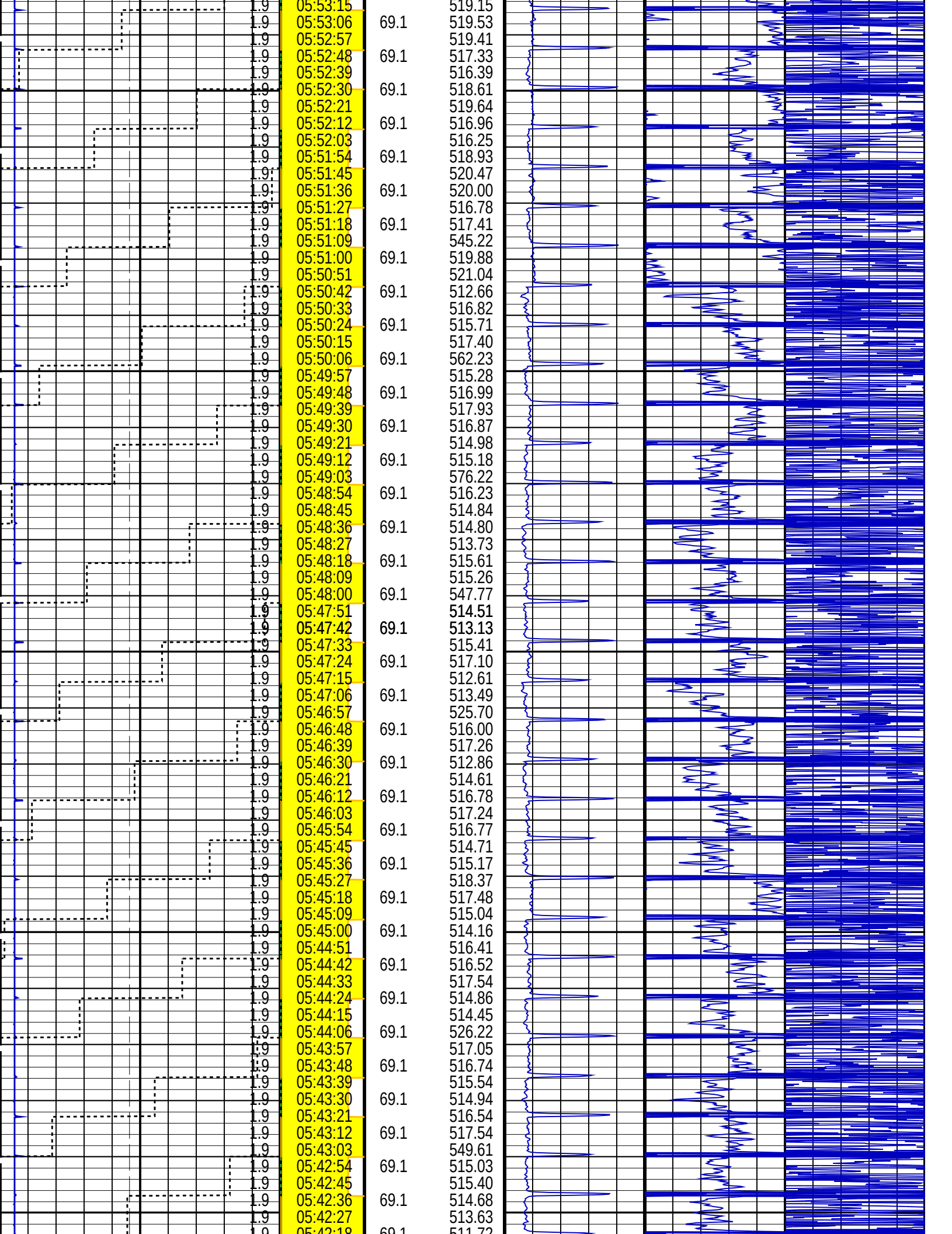


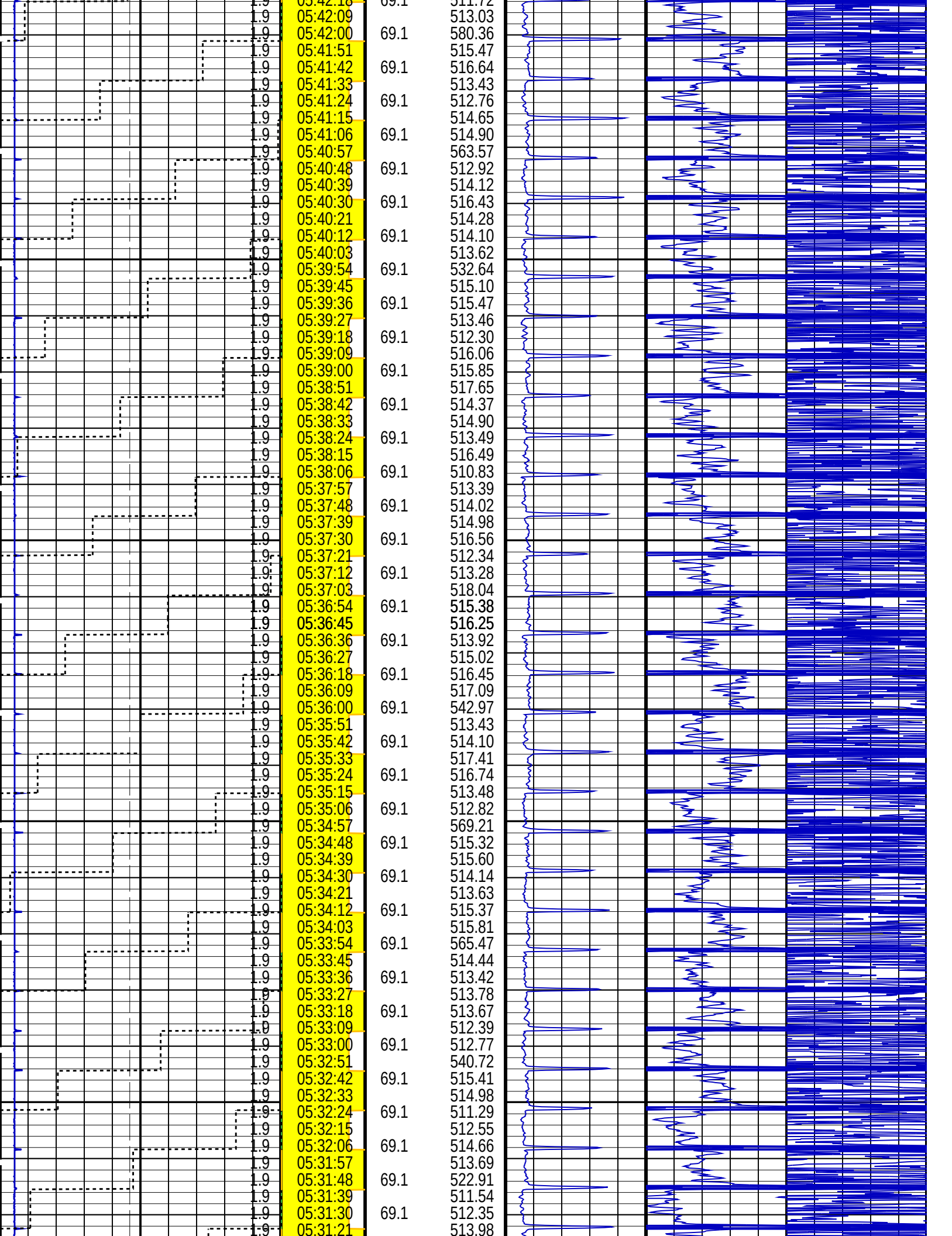


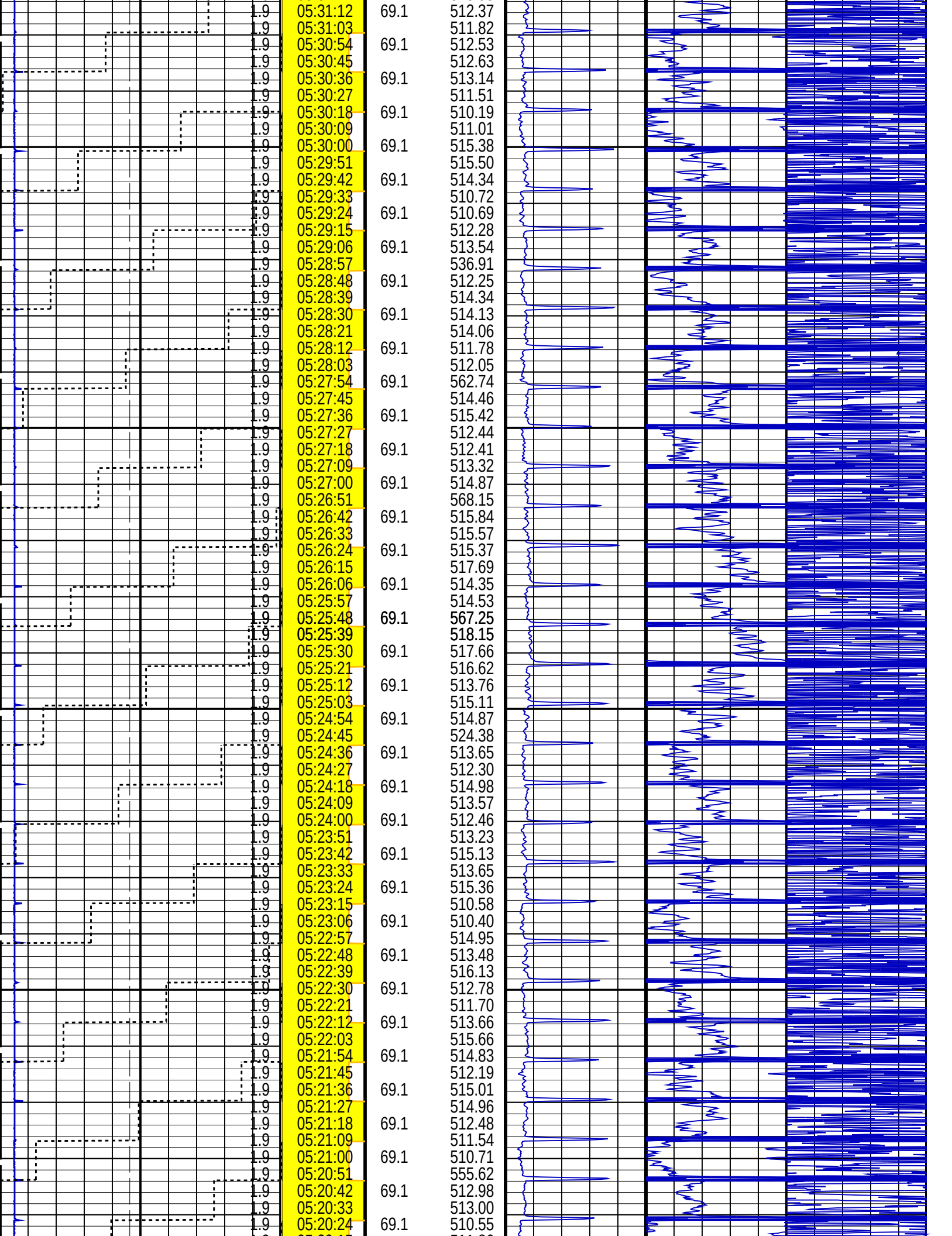


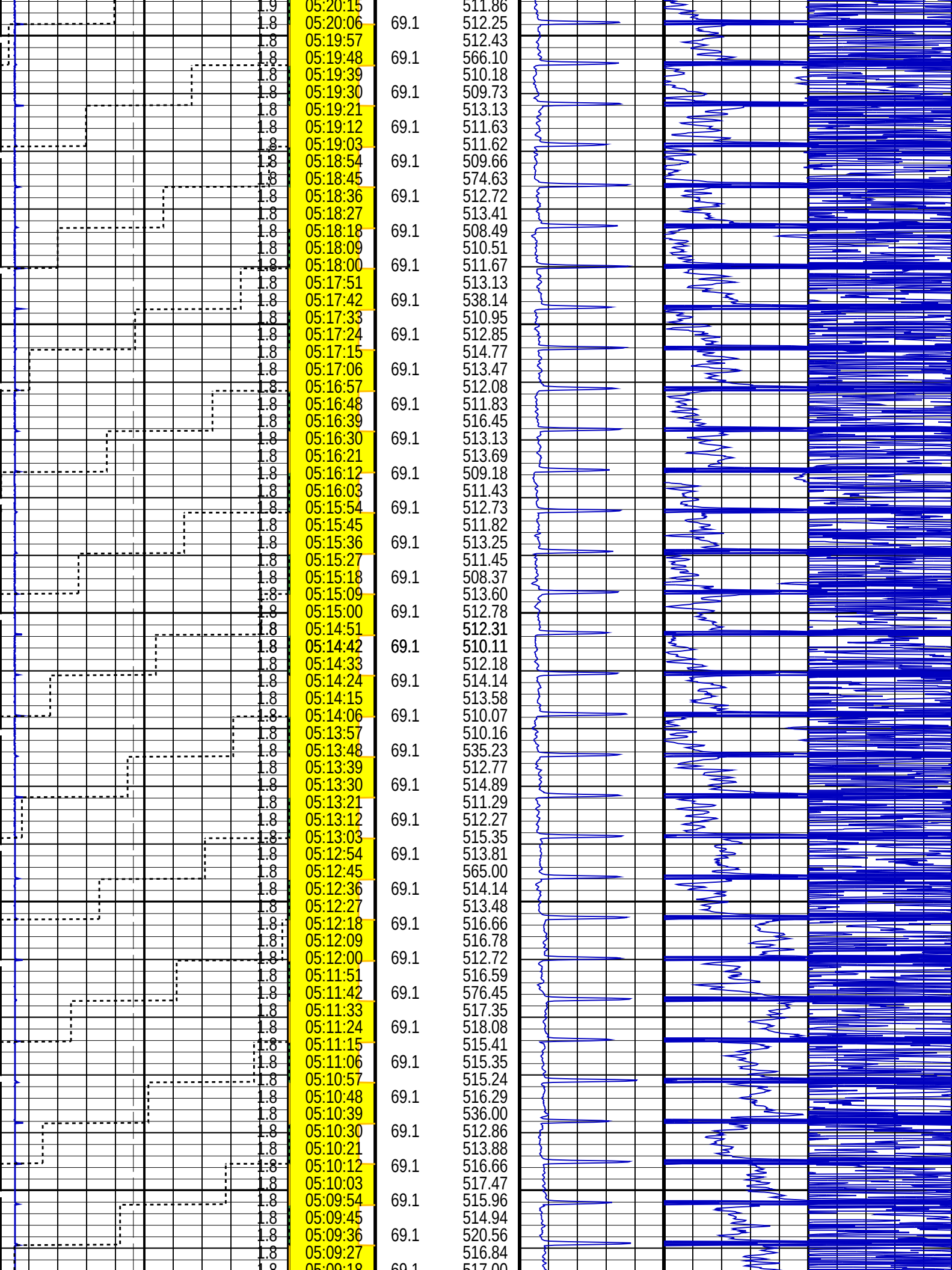


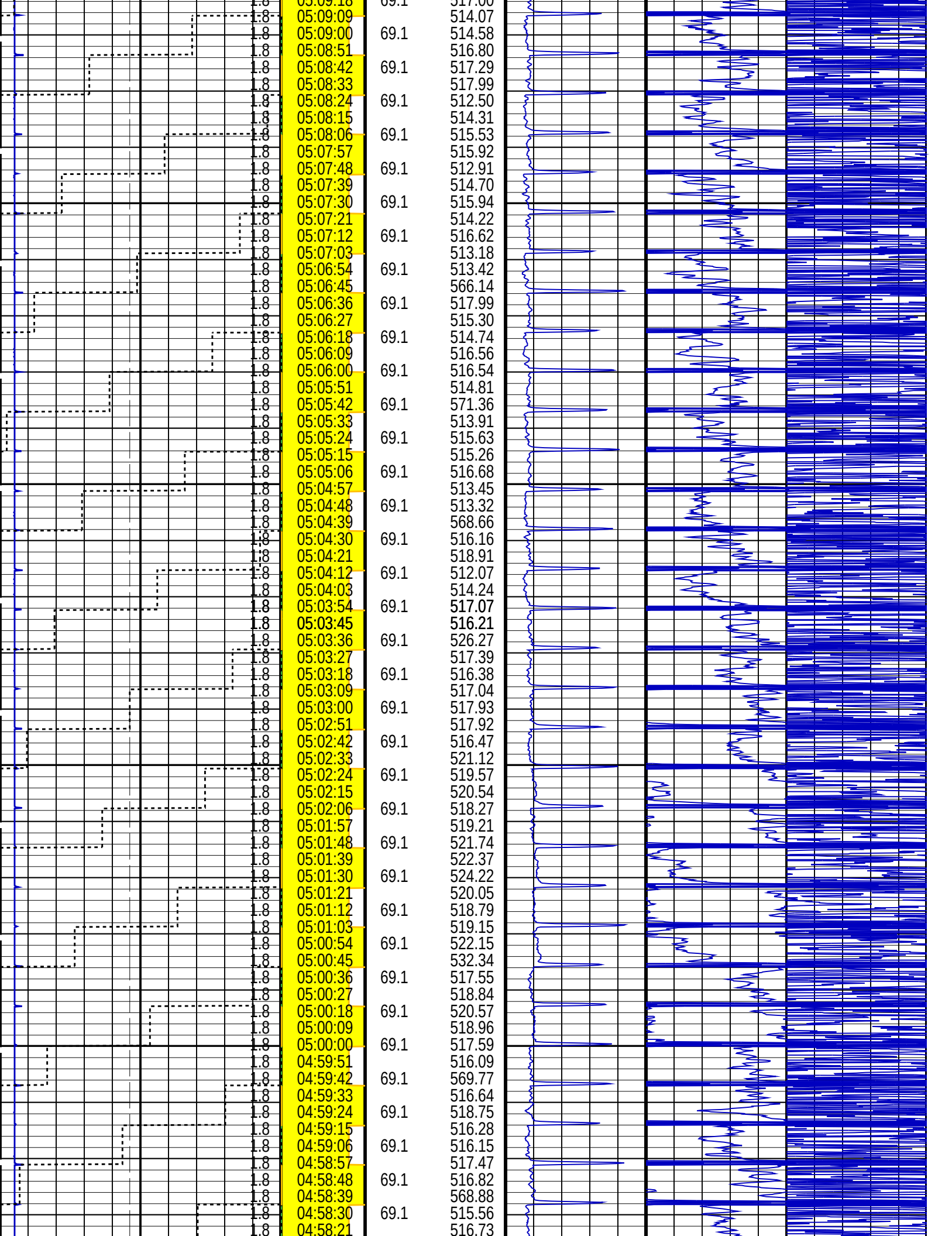


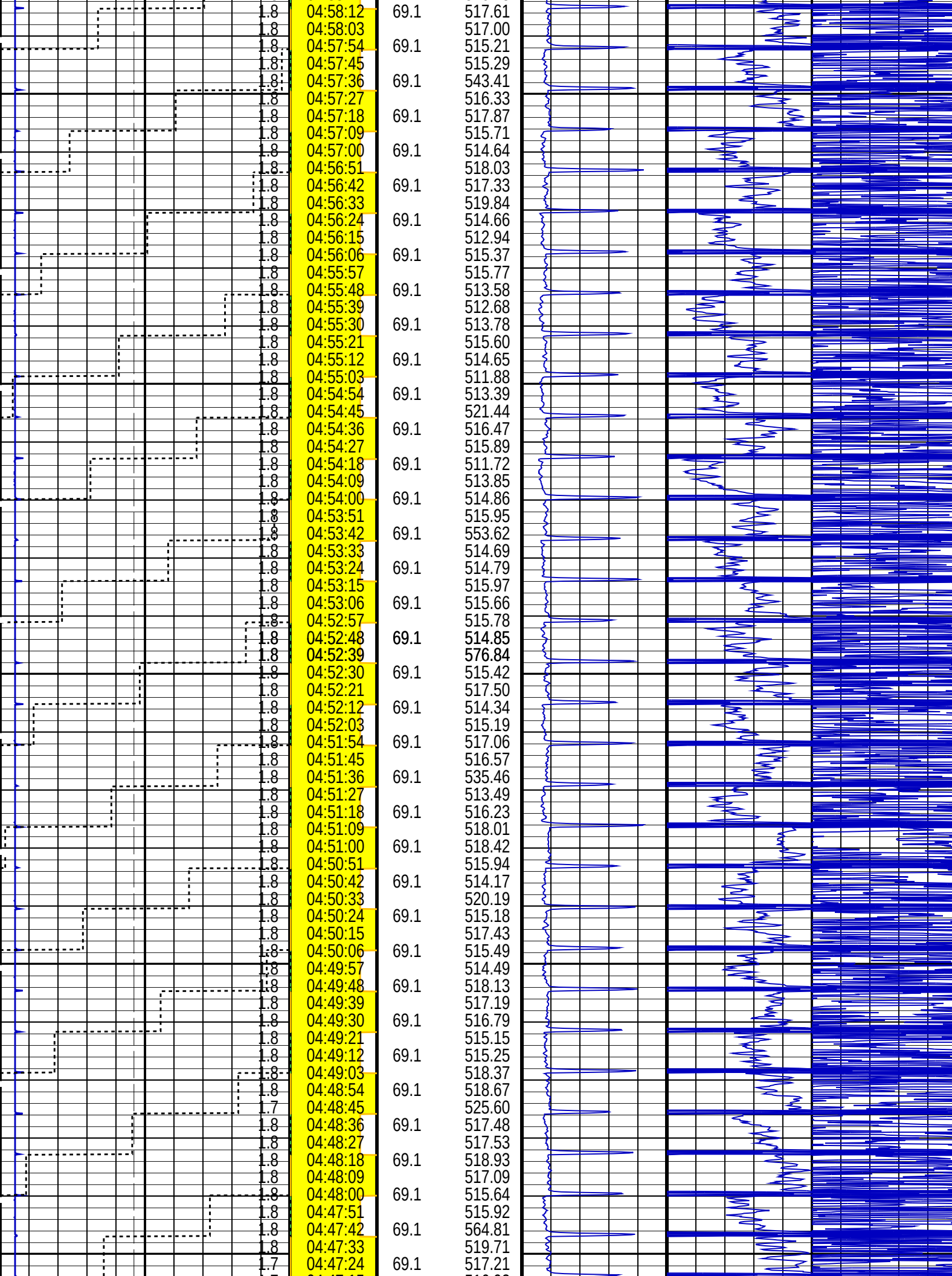


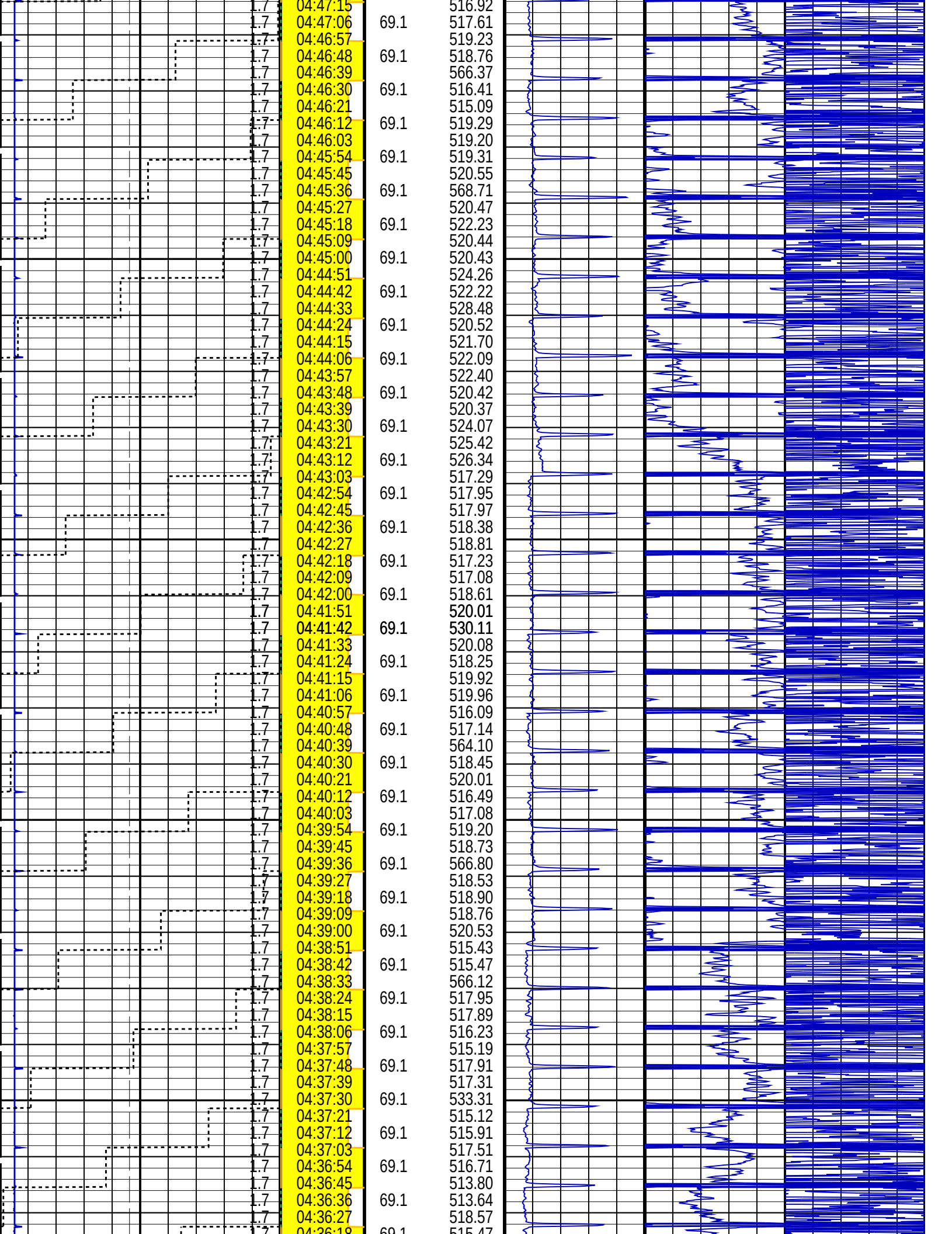


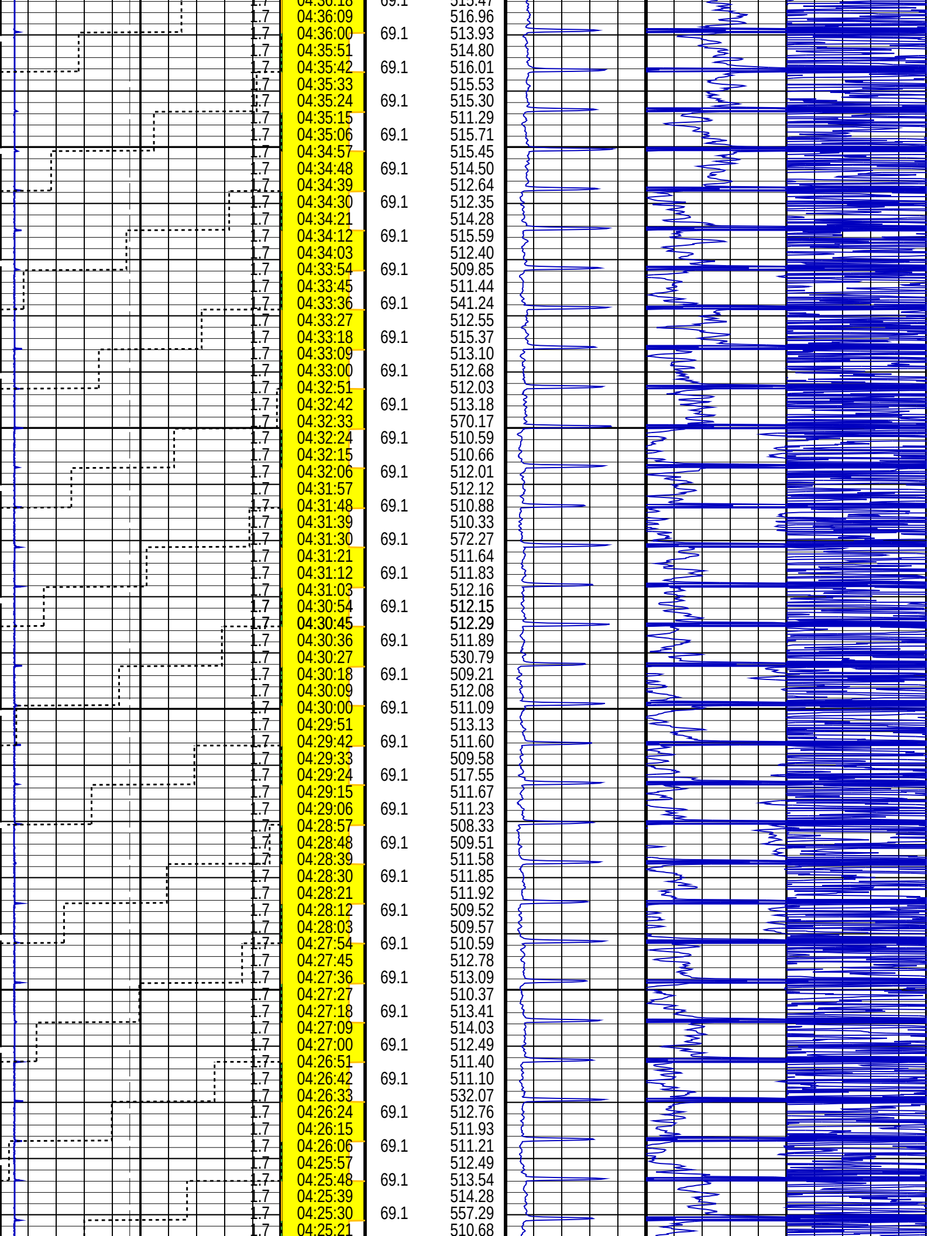


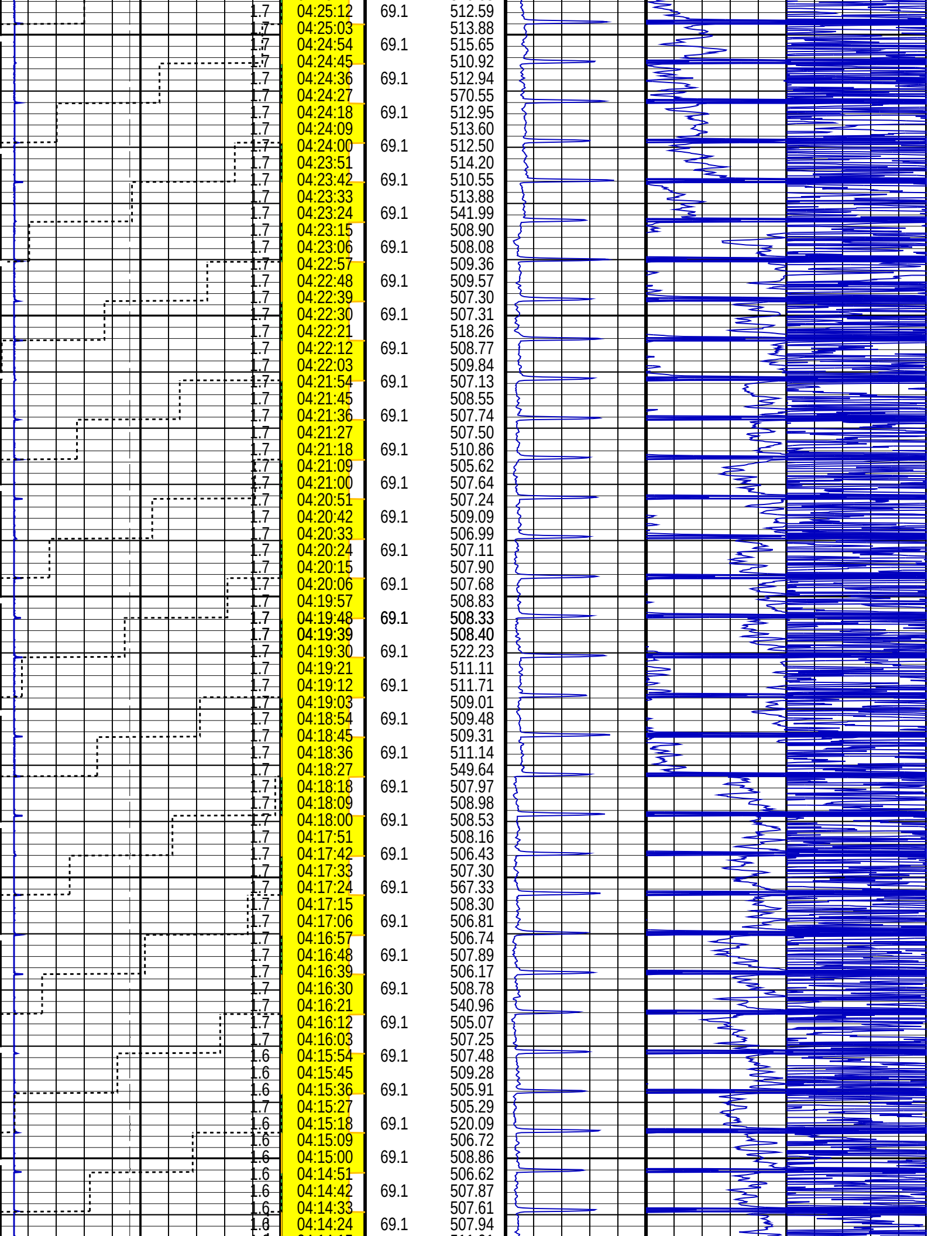


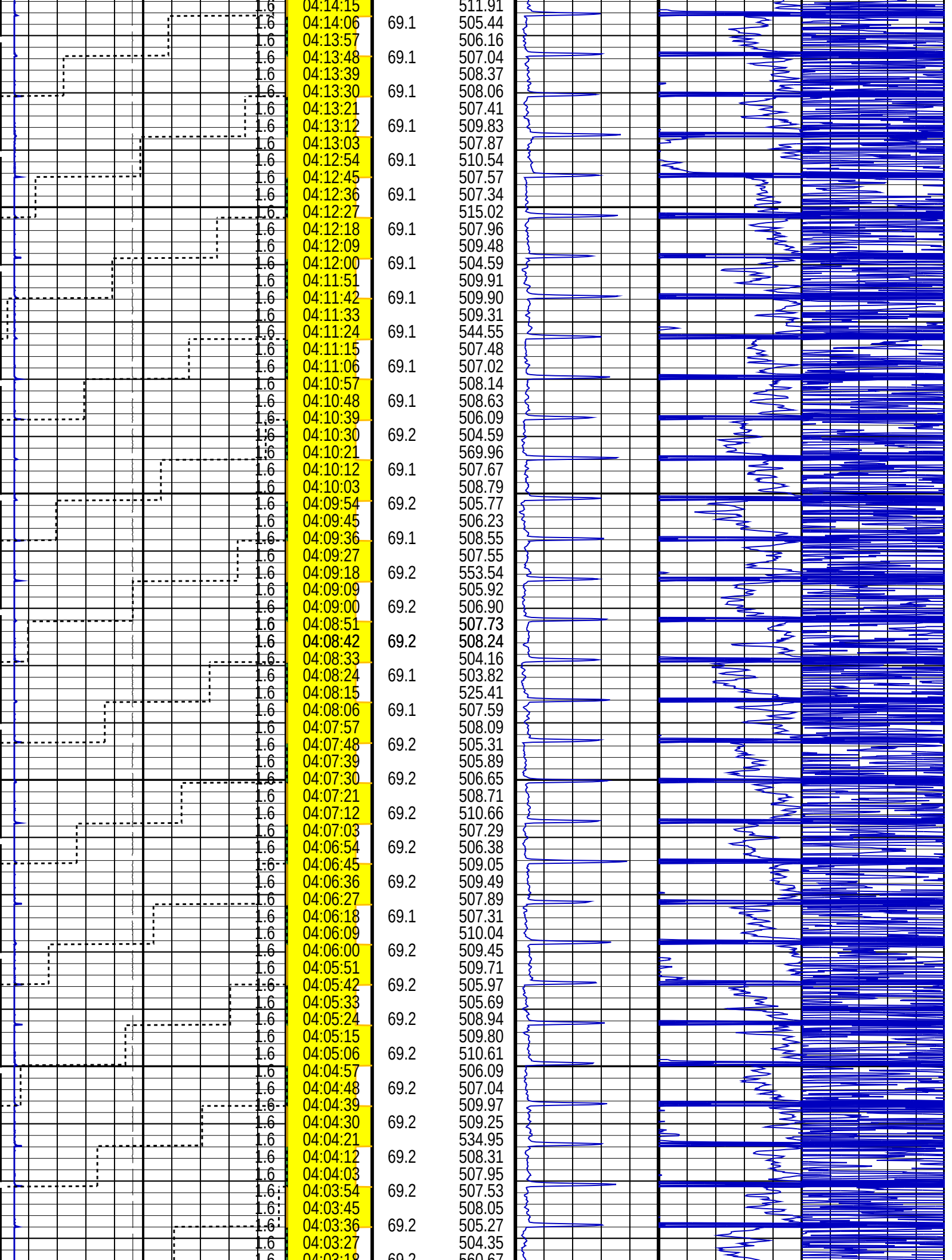


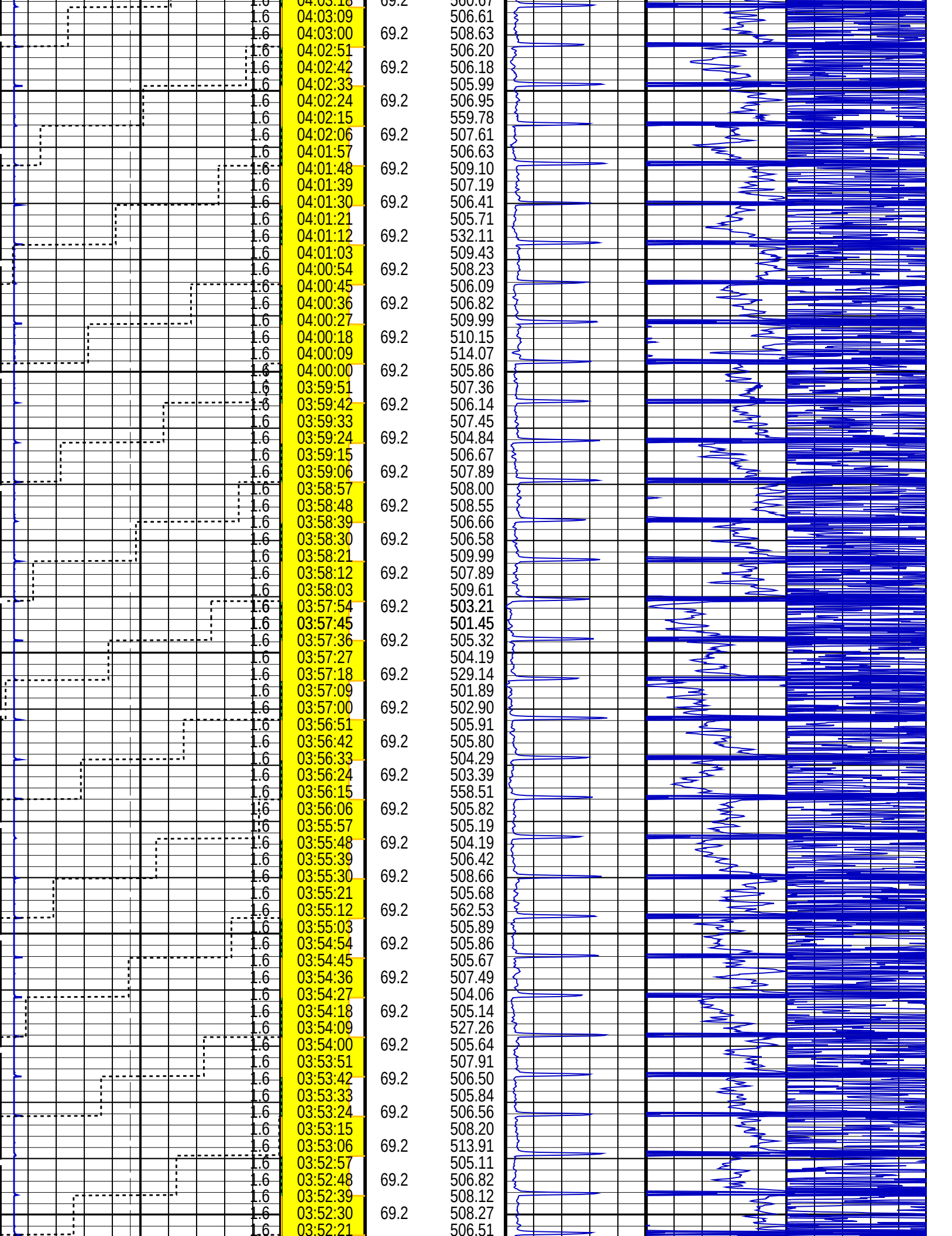


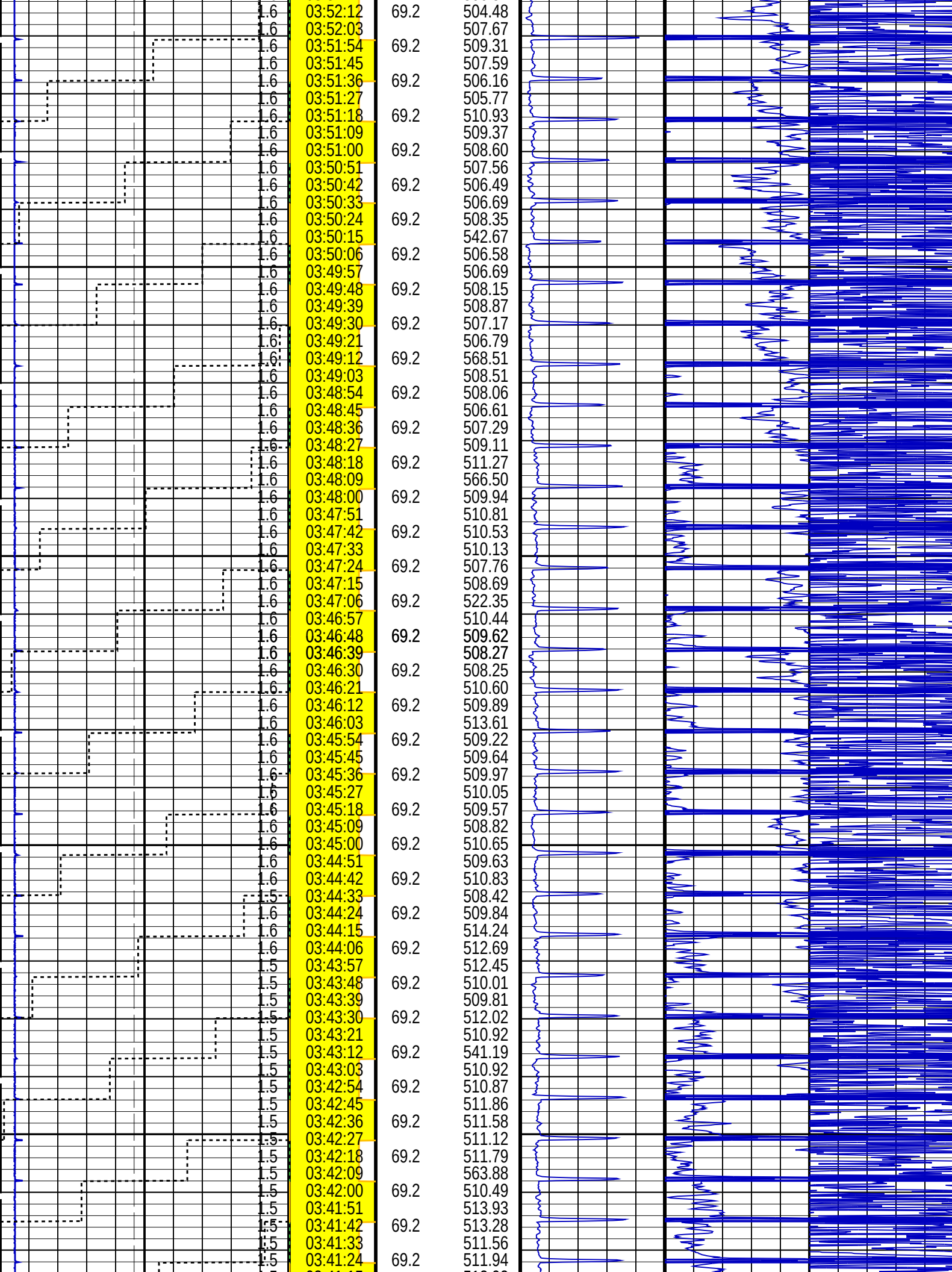


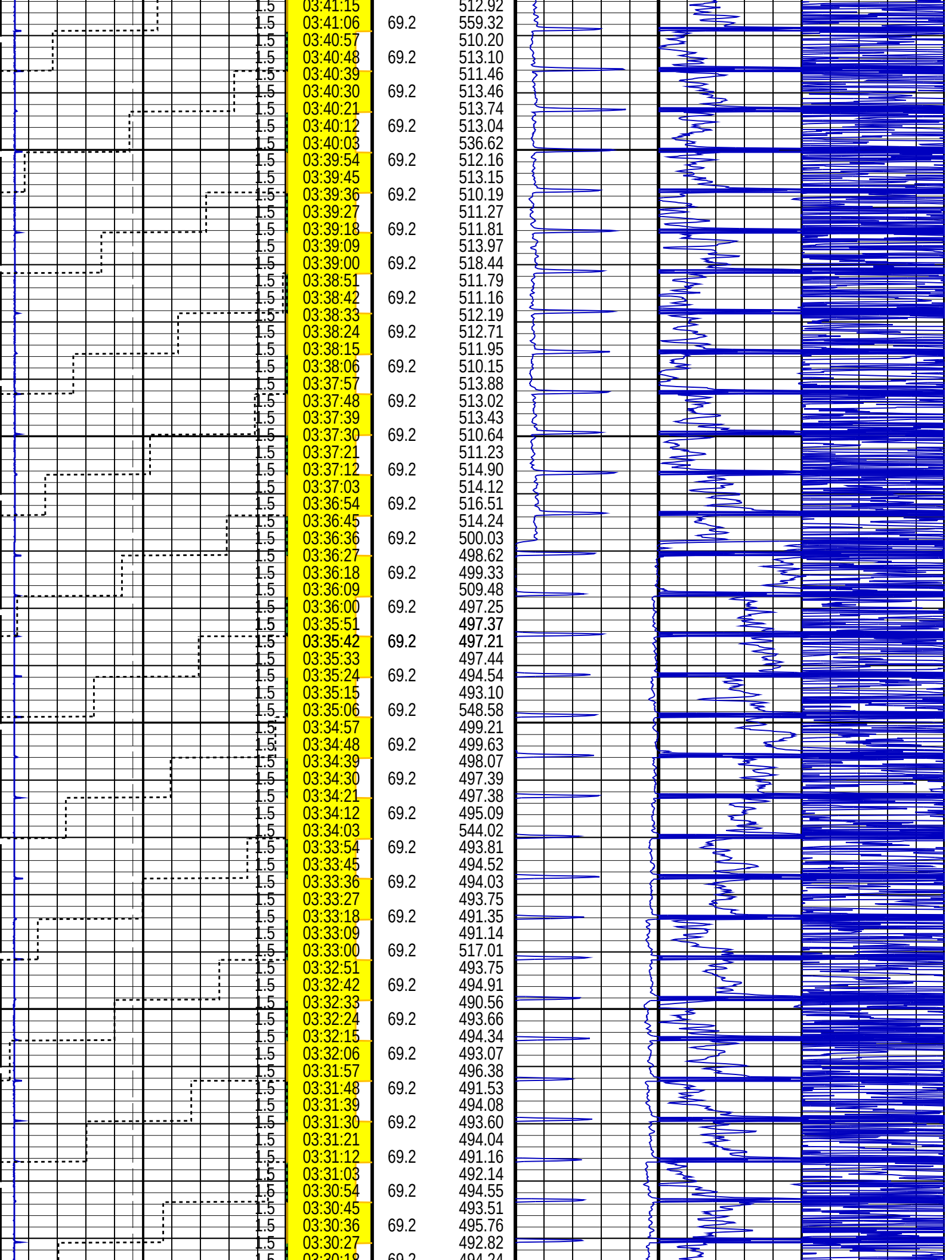


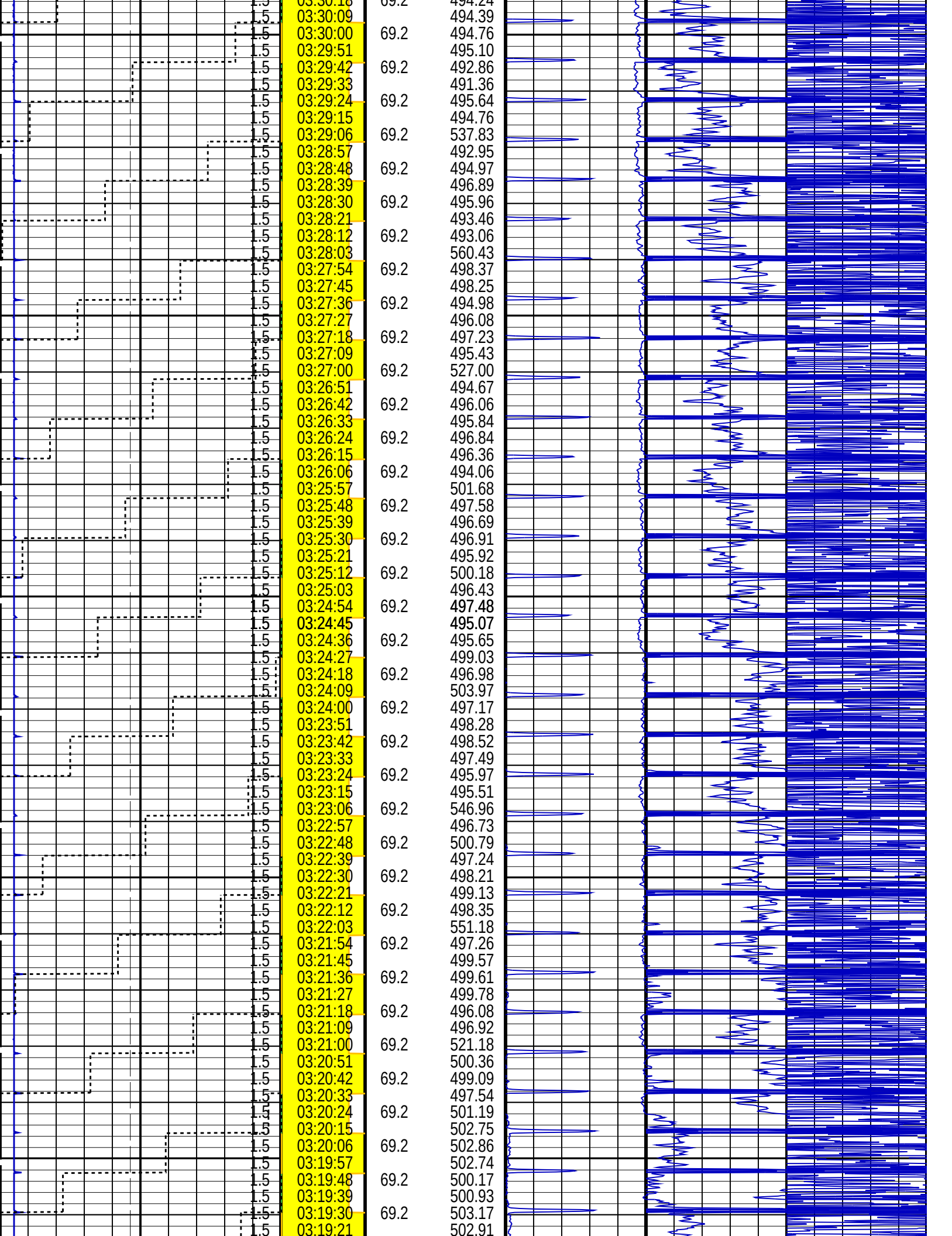


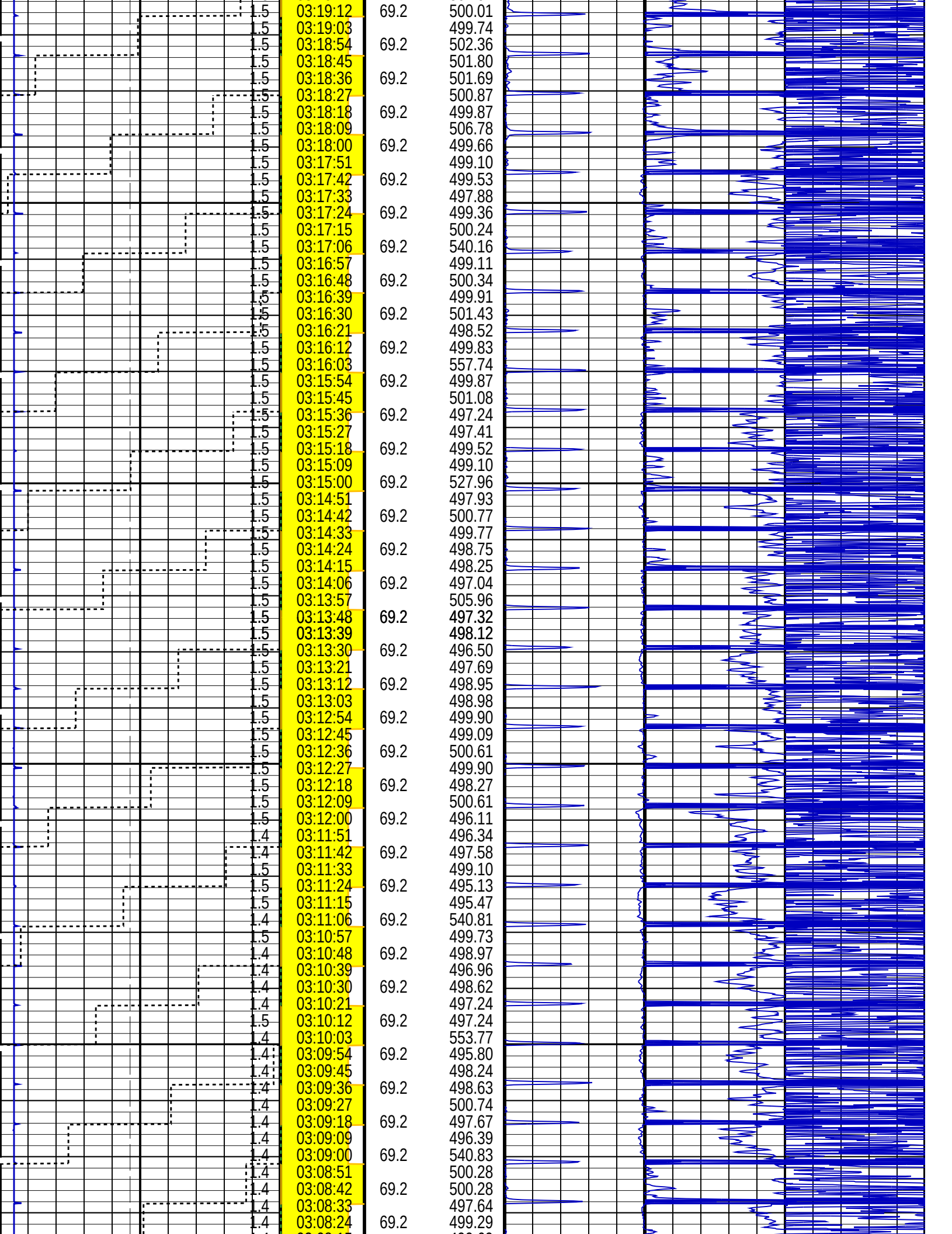


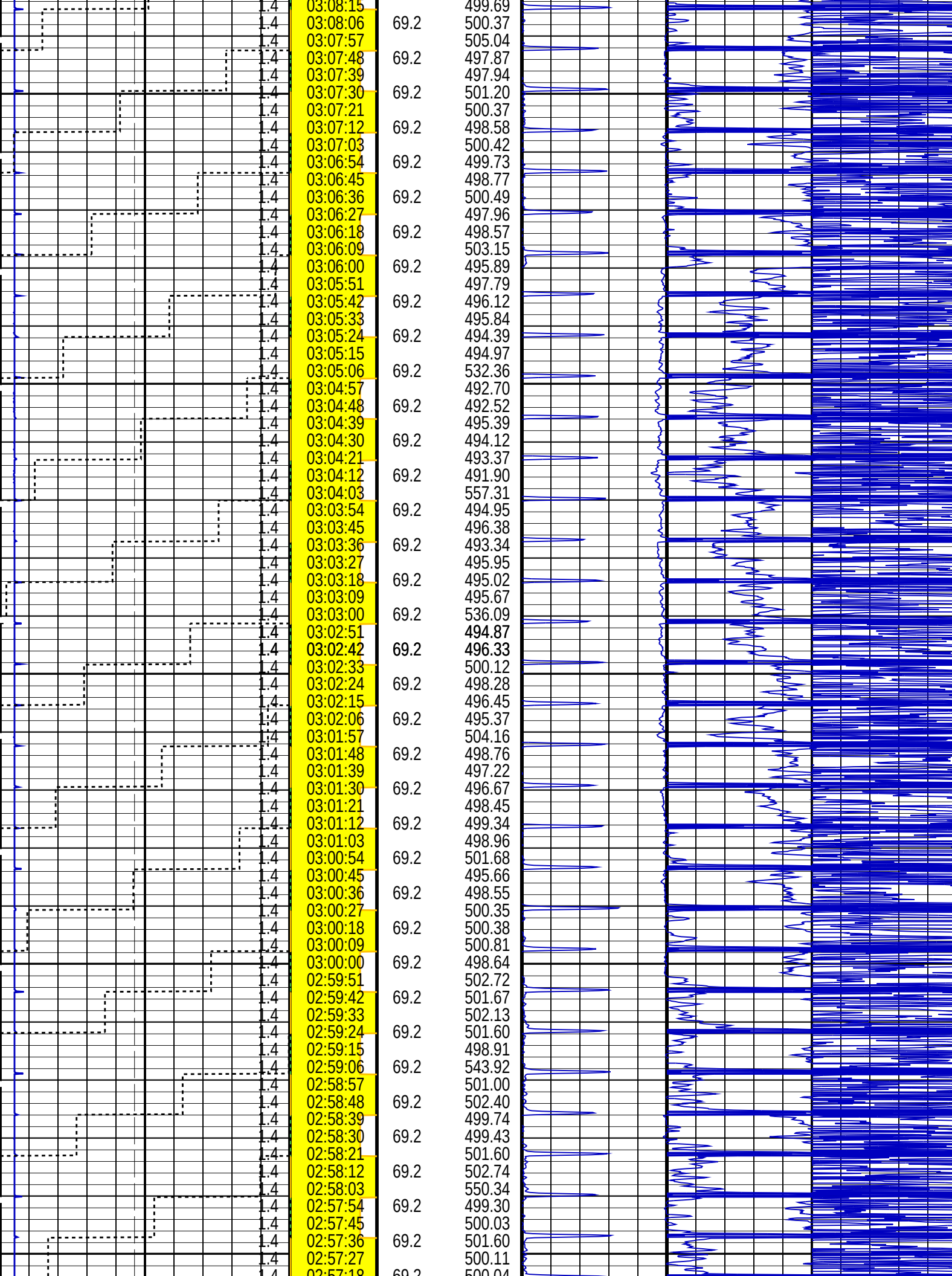


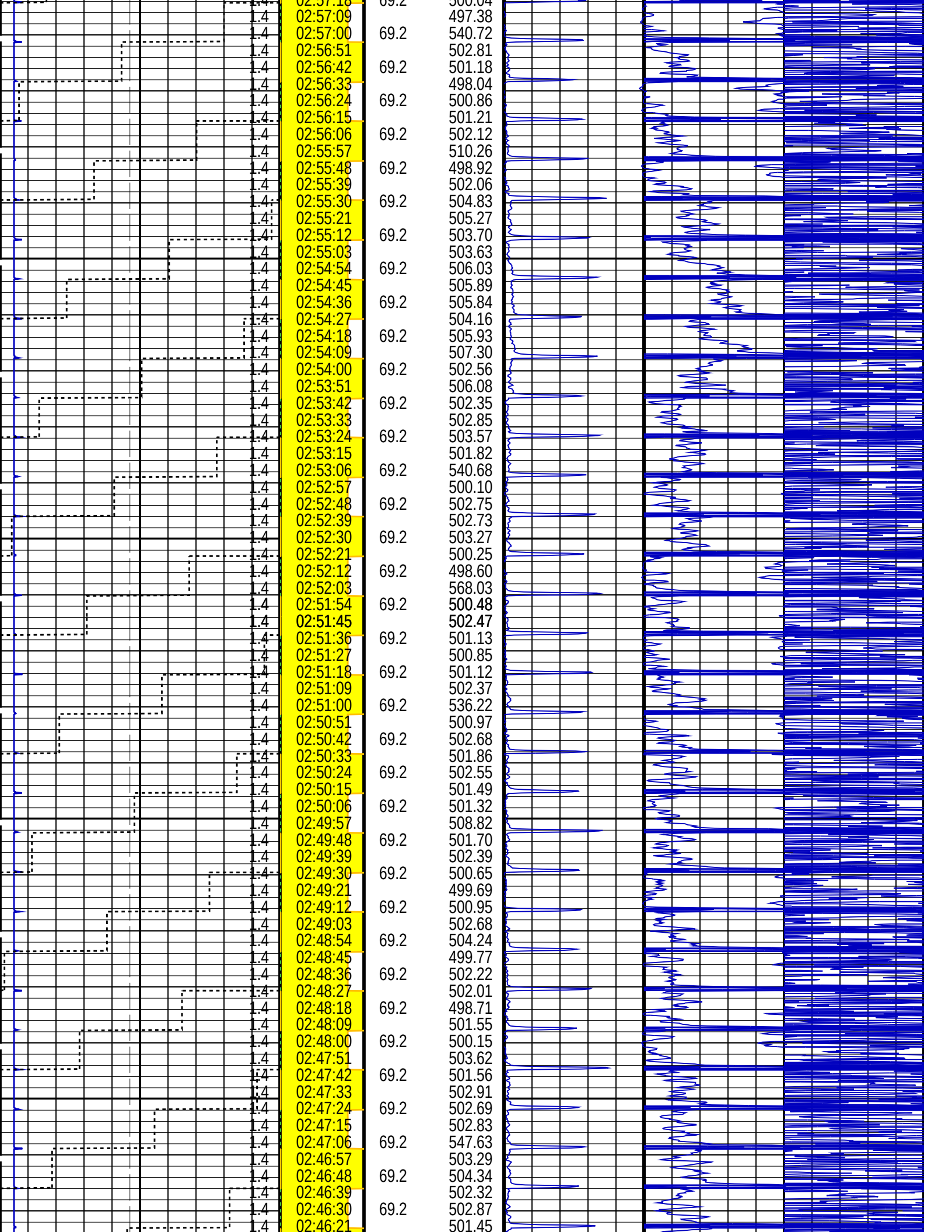




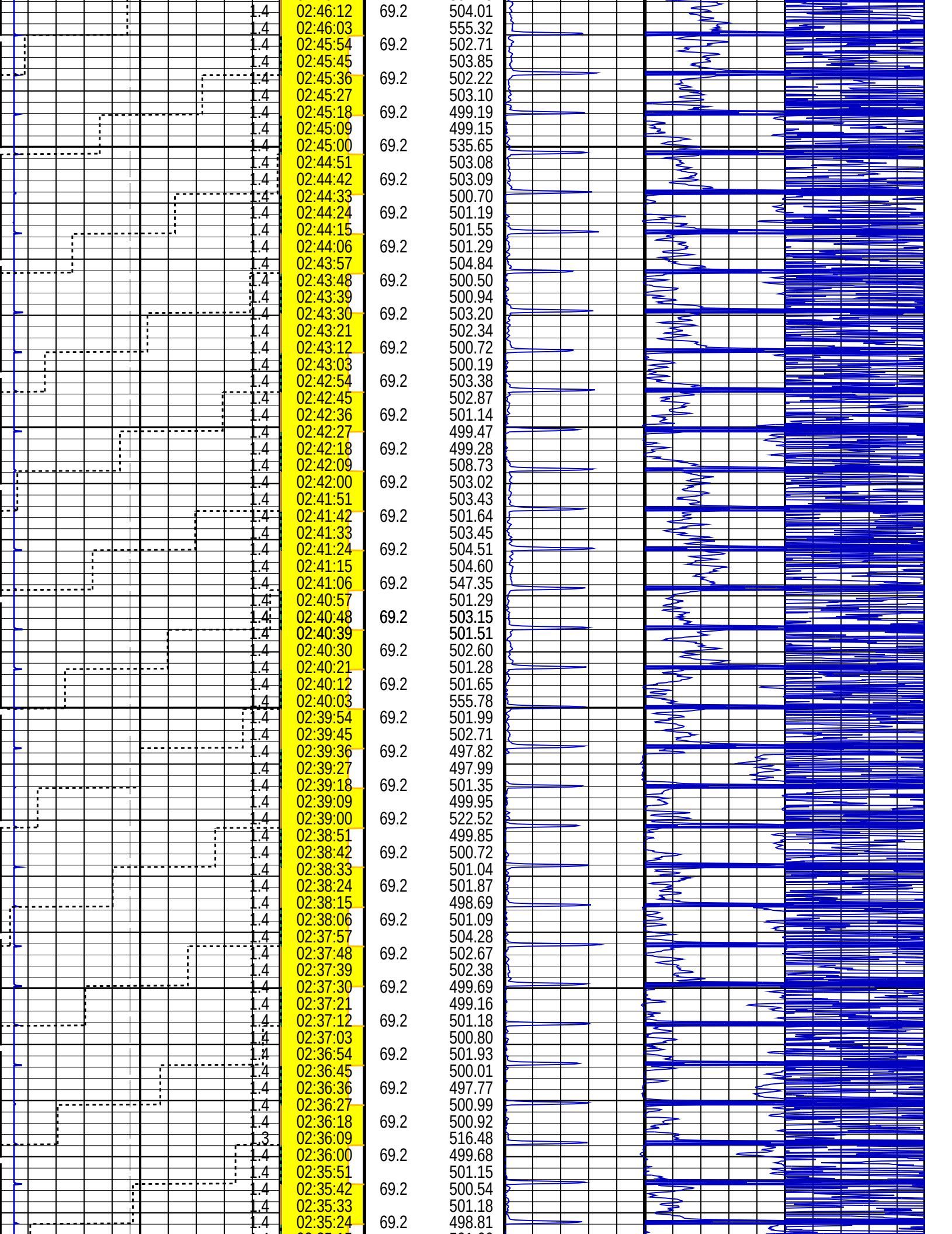


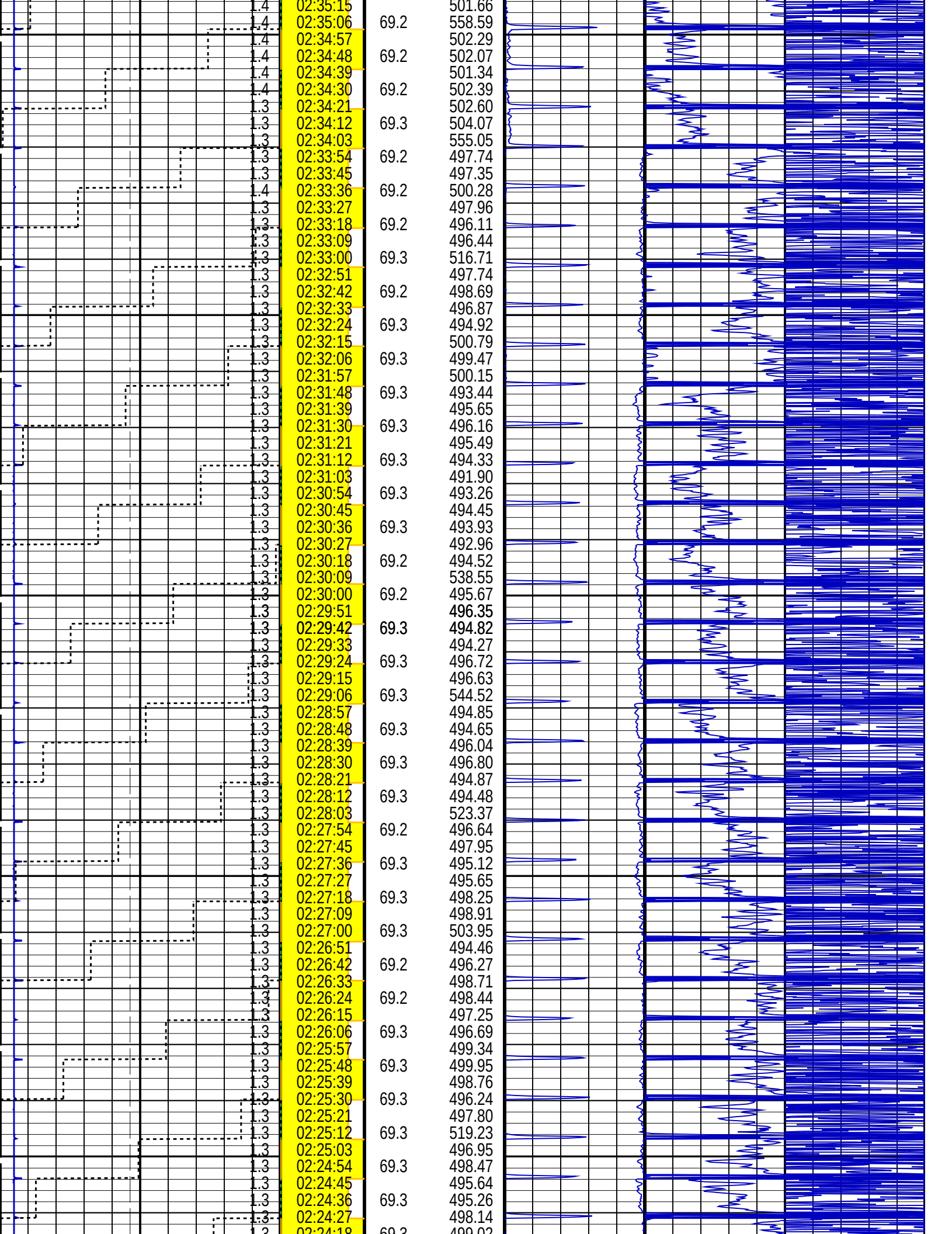


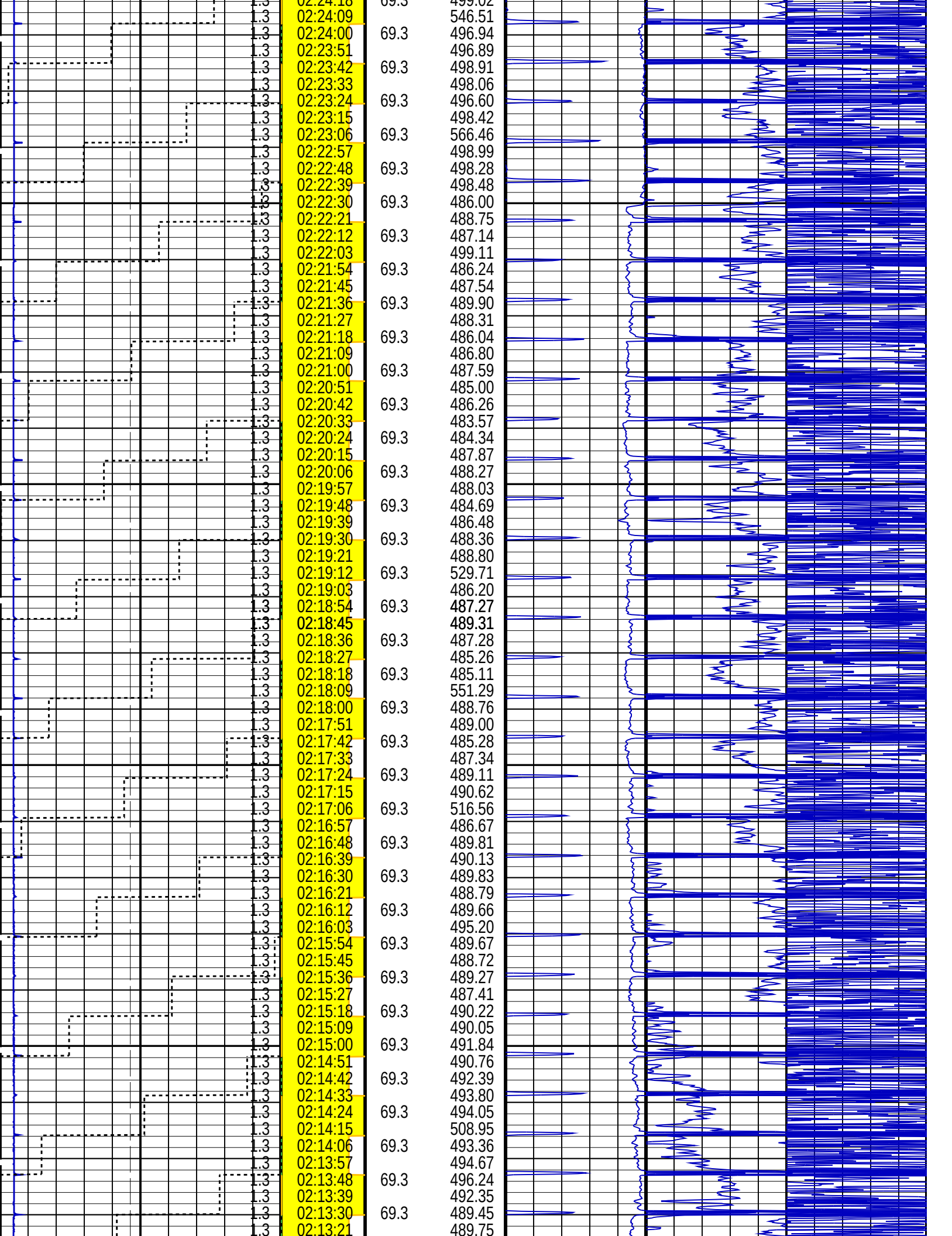


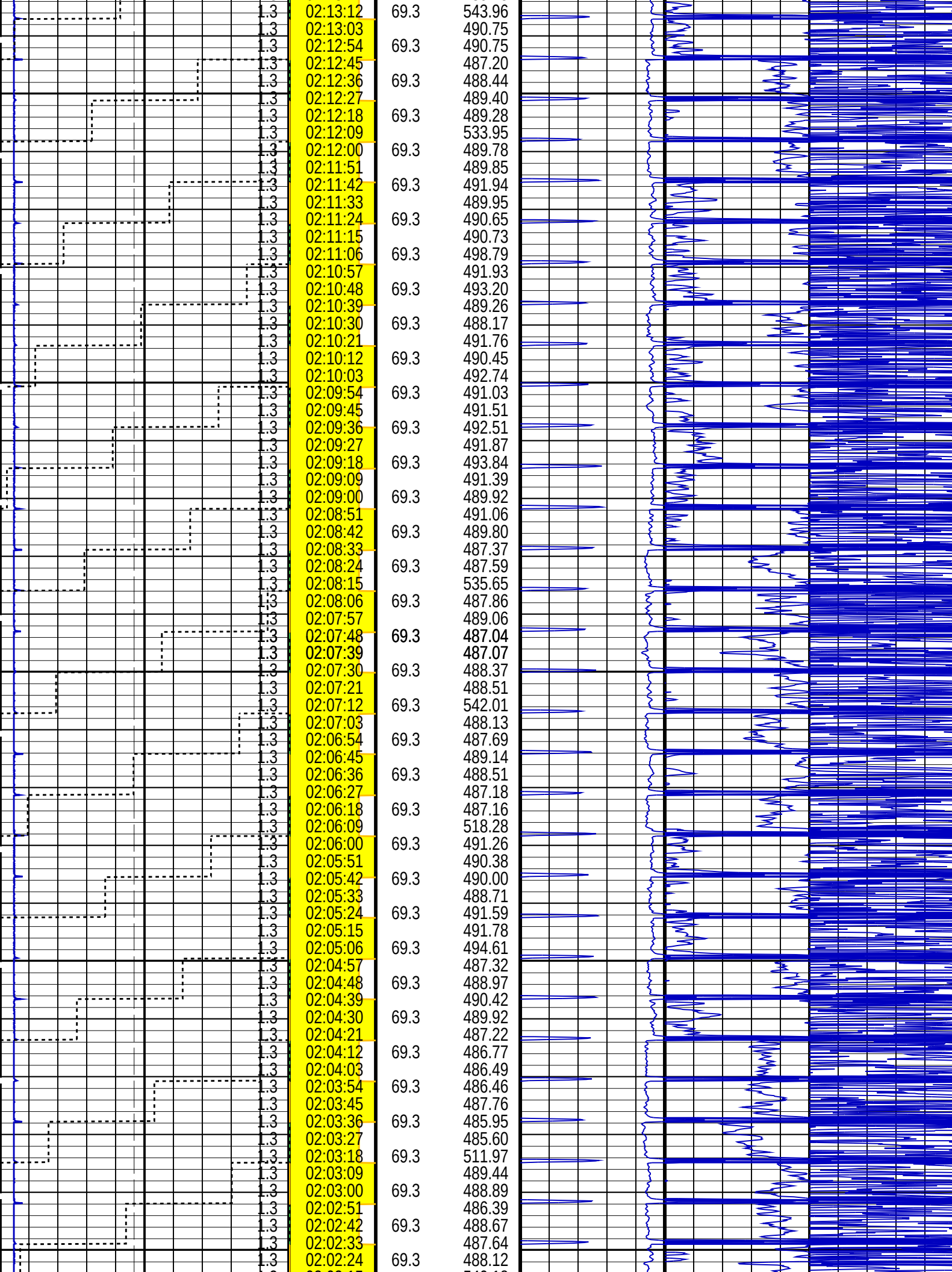


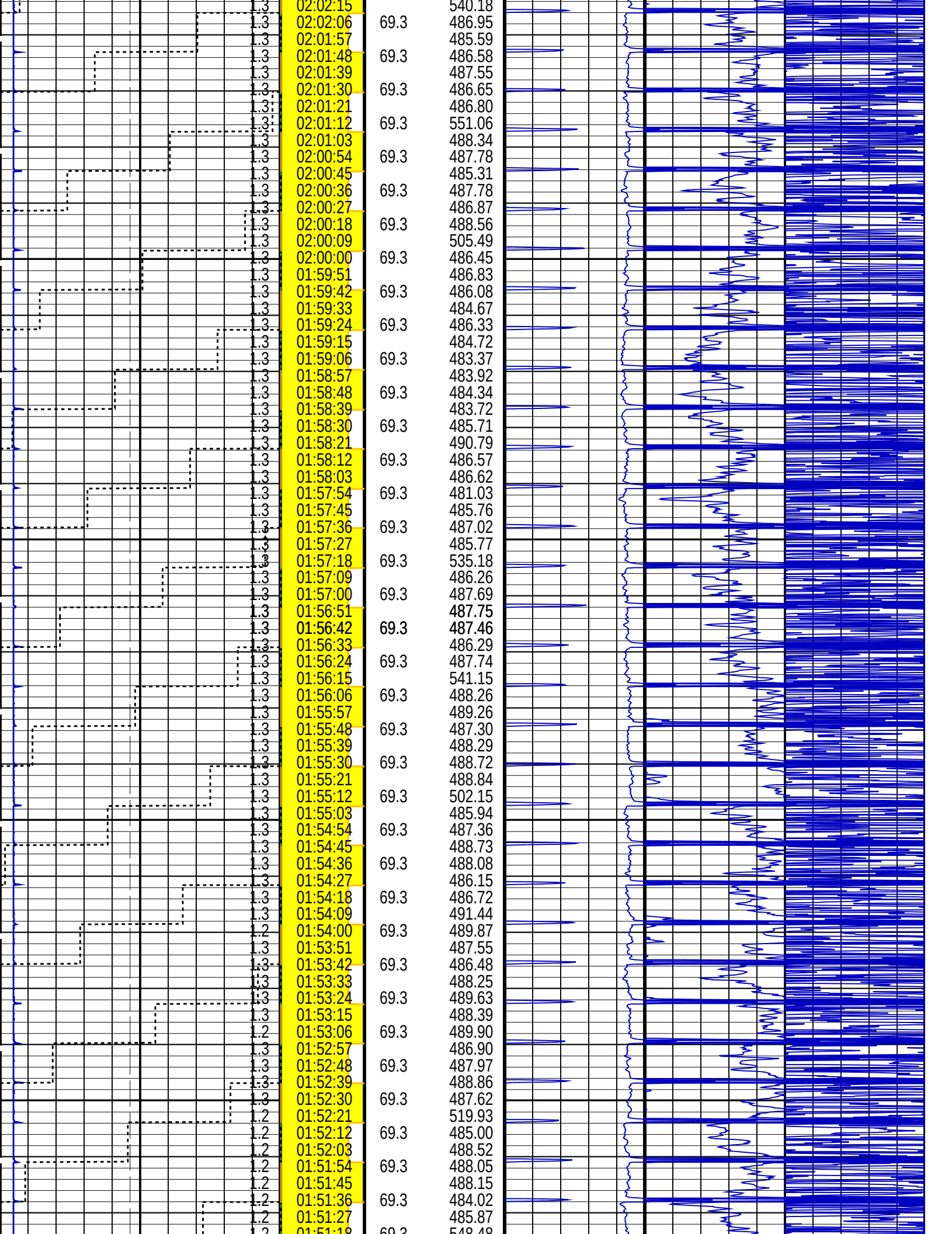
02:57:18	1.4	500.04
02:57:09	69.2	497.38
02:57:00	69.2	540.72
02:56:51	1.4	502.81
02:56:42	69.2	501.18
02:56:33	1.4	498.04
02:56:24	69.2	500.86
02:56:15	1.4	501.21
02:56:06	69.2	502.12
02:55:57	1.4	510.26
02:55:48	69.2	498.92
02:55:39	1.4	502.06
02:55:30	69.2	504.83
02:55:21	1.4	505.27
02:55:12	69.2	503.70
02:55:03	1.4	503.63
02:54:54	69.2	506.03
02:54:45	1.4	505.89
02:54:36	69.2	505.84
02:54:27	1.4	504.16
02:54:18	69.2	505.93
02:54:09	1.4	507.30
02:54:00	69.2	502.56
02:53:51	1.4	506.08
02:53:42	69.2	502.35
02:53:33	1.4	502.85
02:53:24	69.2	503.57
02:53:15	1.4	501.82
02:53:06	69.2	540.68
02:52:57	1.4	500.10
02:52:48	69.2	502.75
02:52:39	1.4	502.73
02:52:30	69.2	503.27
02:52:21	1.4	500.25
02:52:12	69.2	498.60
02:52:03	1.4	568.03
02:51:54	69.2	500.48
02:51:45	1.4	502.47
02:51:36	69.2	501.13
02:51:27	1.4	500.85
02:51:18	69.2	501.12
02:51:09	1.4	502.37
02:51:00	69.2	536.22
02:50:51	1.4	500.97
02:50:42	69.2	502.68
02:50:33	1.4	501.86
02:50:24	69.2	502.55
02:50:15	1.4	501.49
02:50:06	69.2	501.32
02:49:57	1.4	508.82
02:49:48	69.2	501.70
02:49:39	1.4	502.39
02:49:30	69.2	500.65
02:49:21	1.4	499.69
02:49:12	69.2	500.95
02:49:03	1.4	502.68
02:48:54	69.2	504.24
02:48:45	1.4	499.77
02:48:36	69.2	502.22
02:48:27	1.4	502.01
02:48:18	69.2	498.71
02:48:09	1.4	501.55
02:48:00	69.2	500.15
02:47:51	1.4	503.62
02:47:42	69.2	501.56
02:47:33	1.4	502.91
02:47:24	69.2	502.69
02:47:15	1.4	502.83
02:47:06	69.2	547.63
02:46:57	1.4	503.29
02:46:48	69.2	504.34
02:46:39	1.4	502.32
02:46:30	69.2	502.87
02:46:21	1.4	501.45

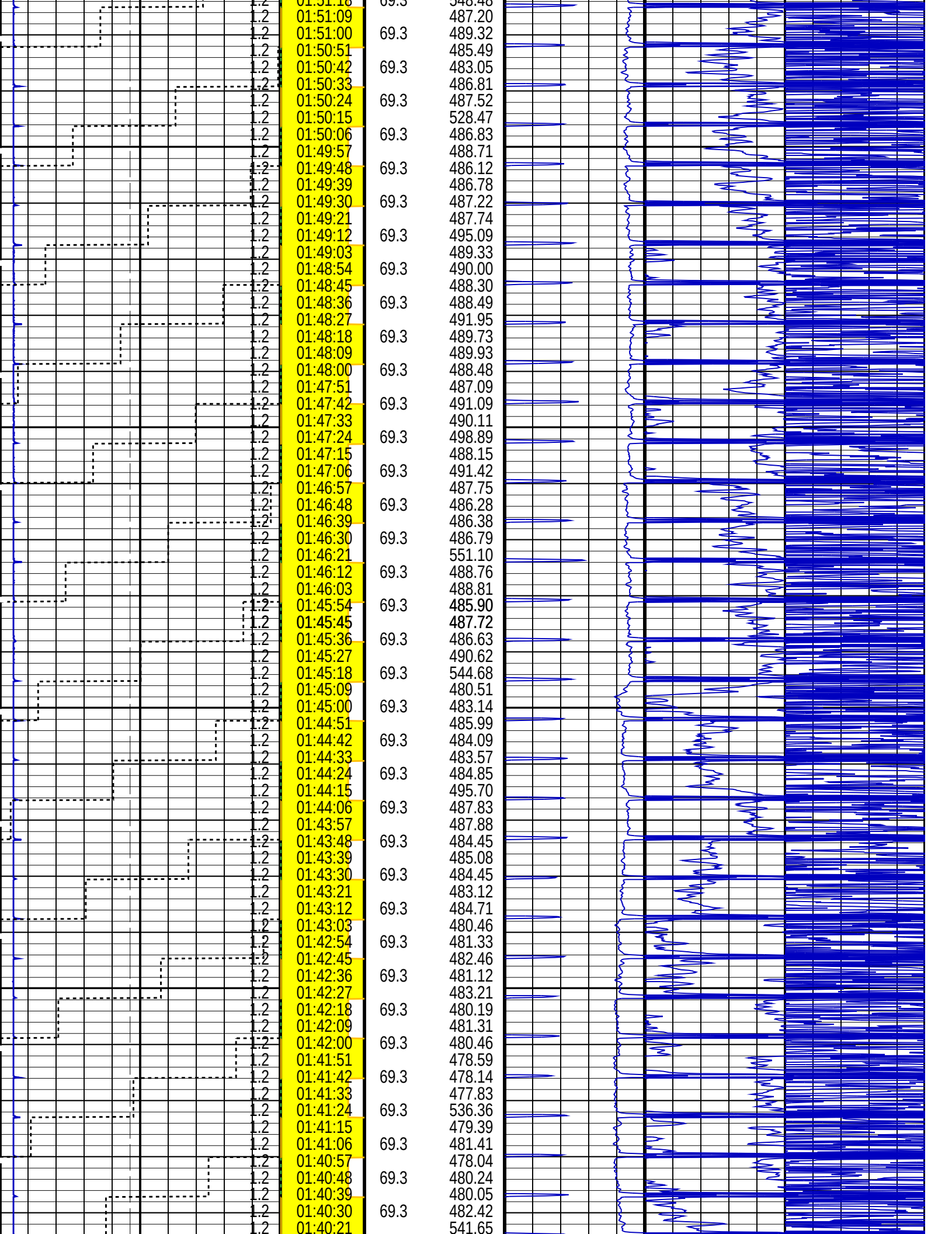


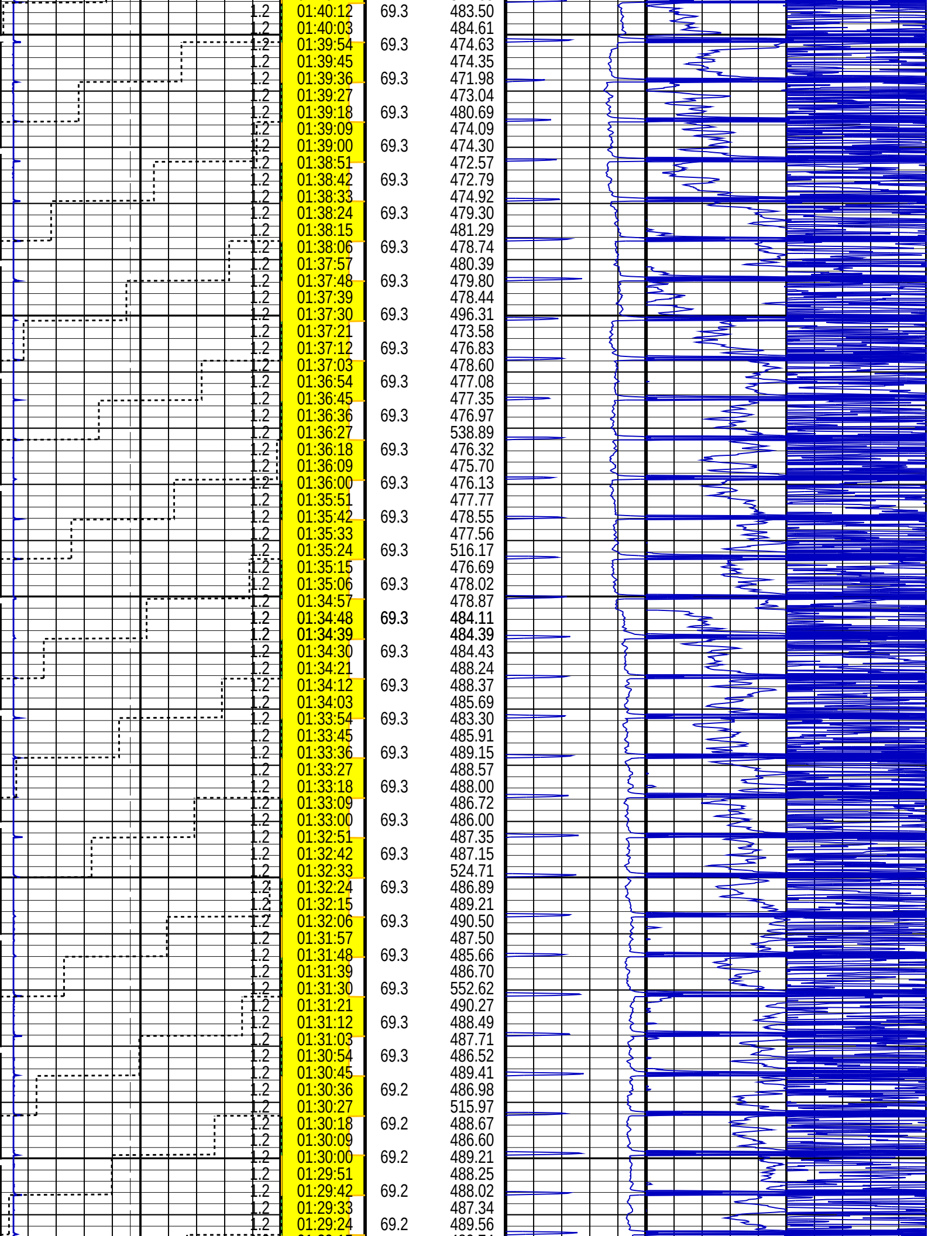


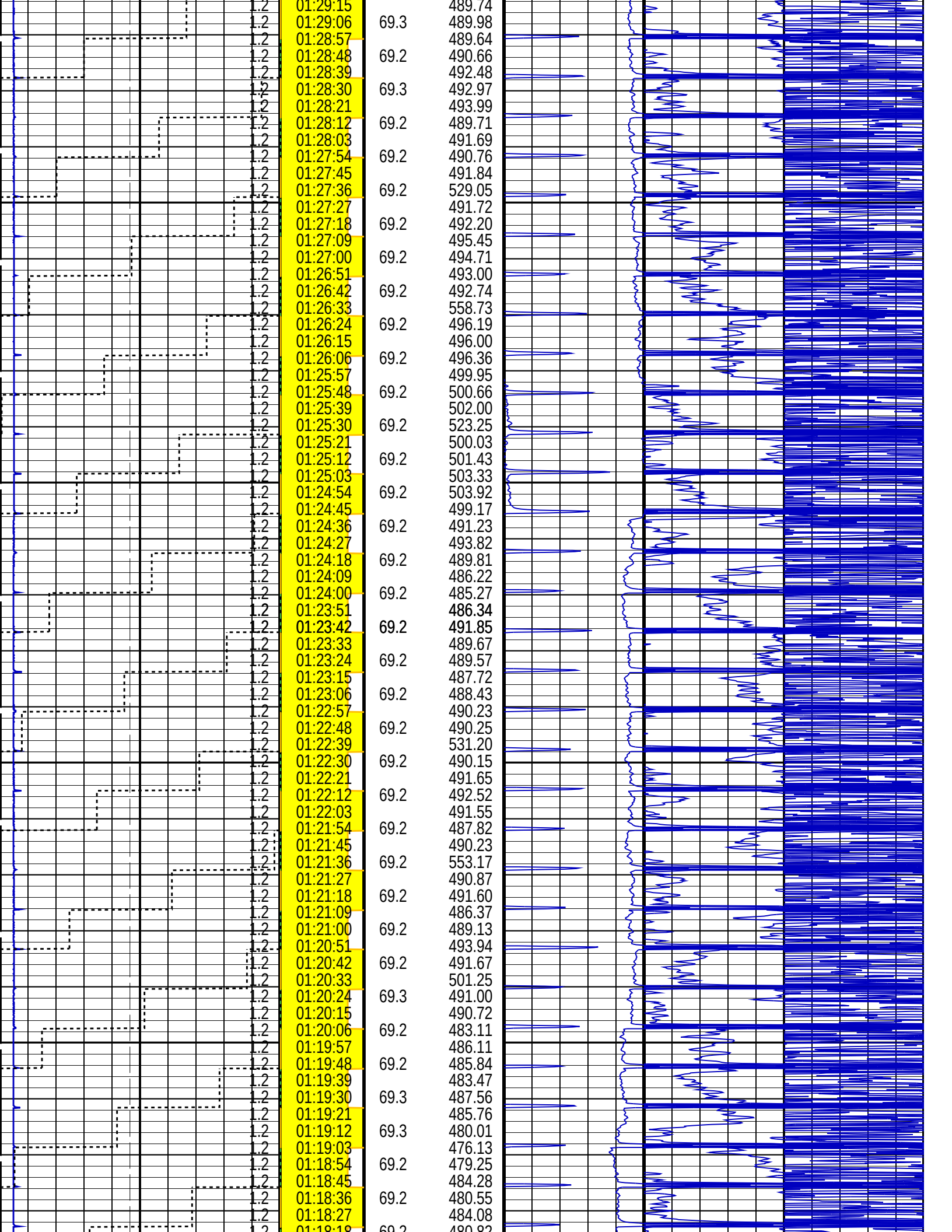


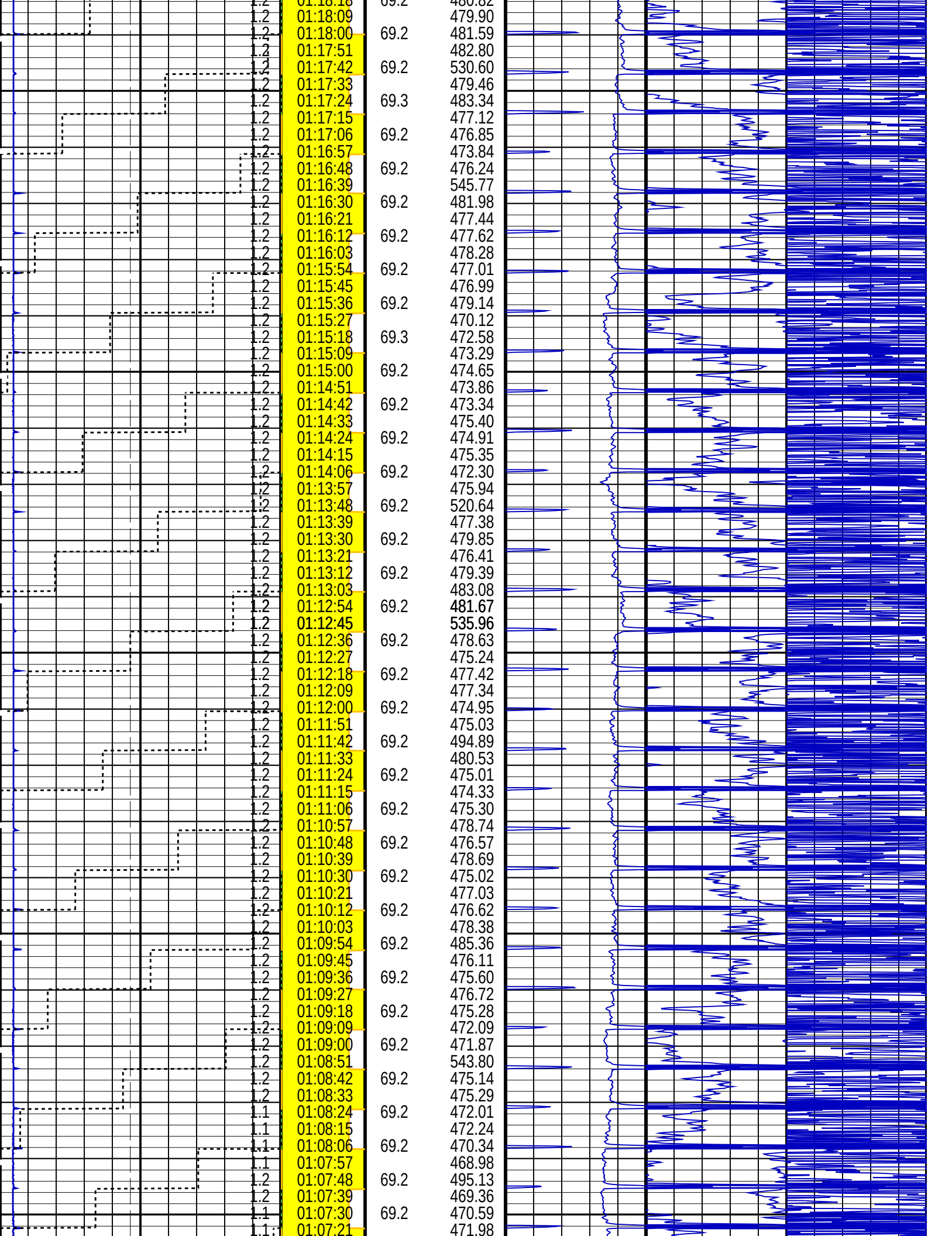


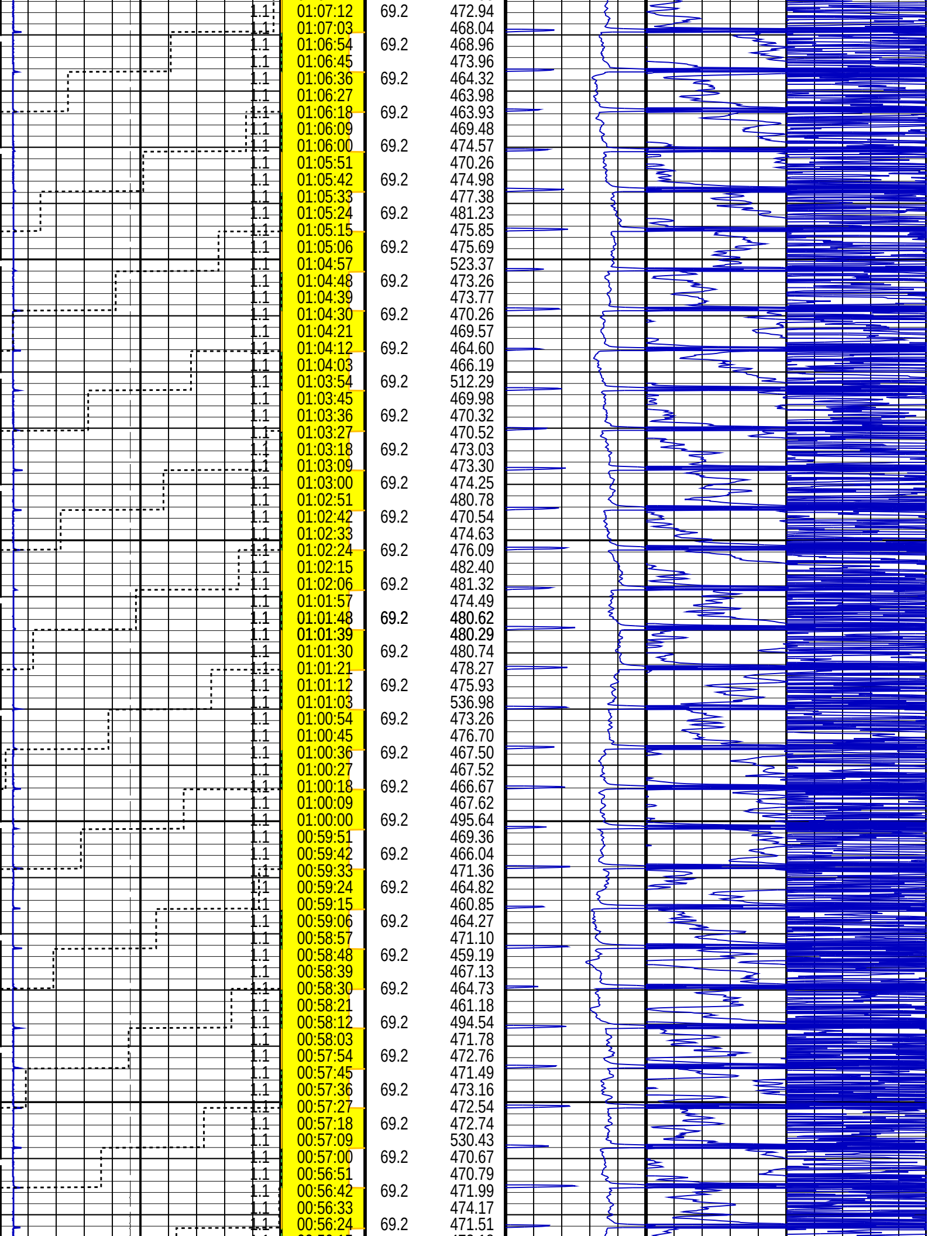


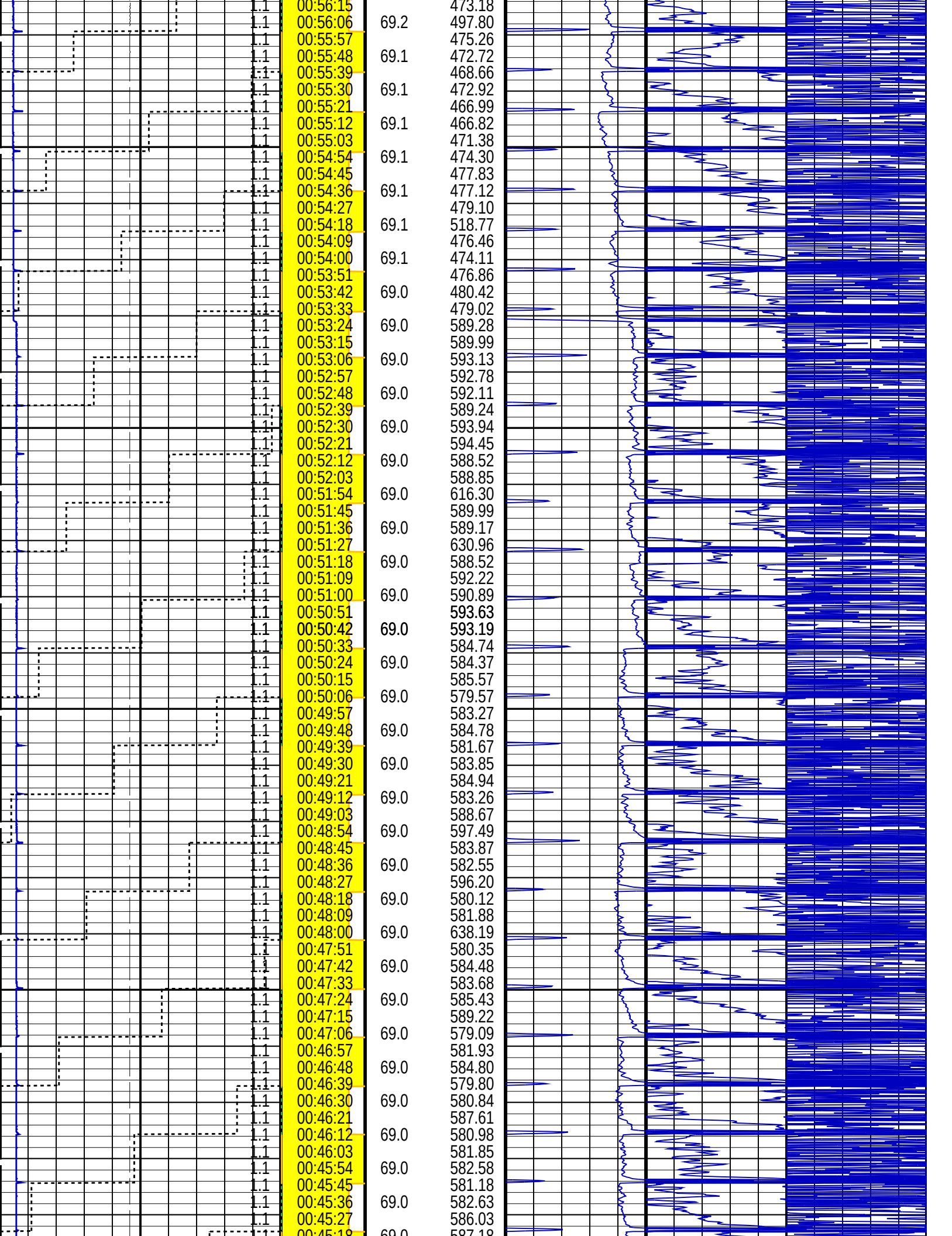


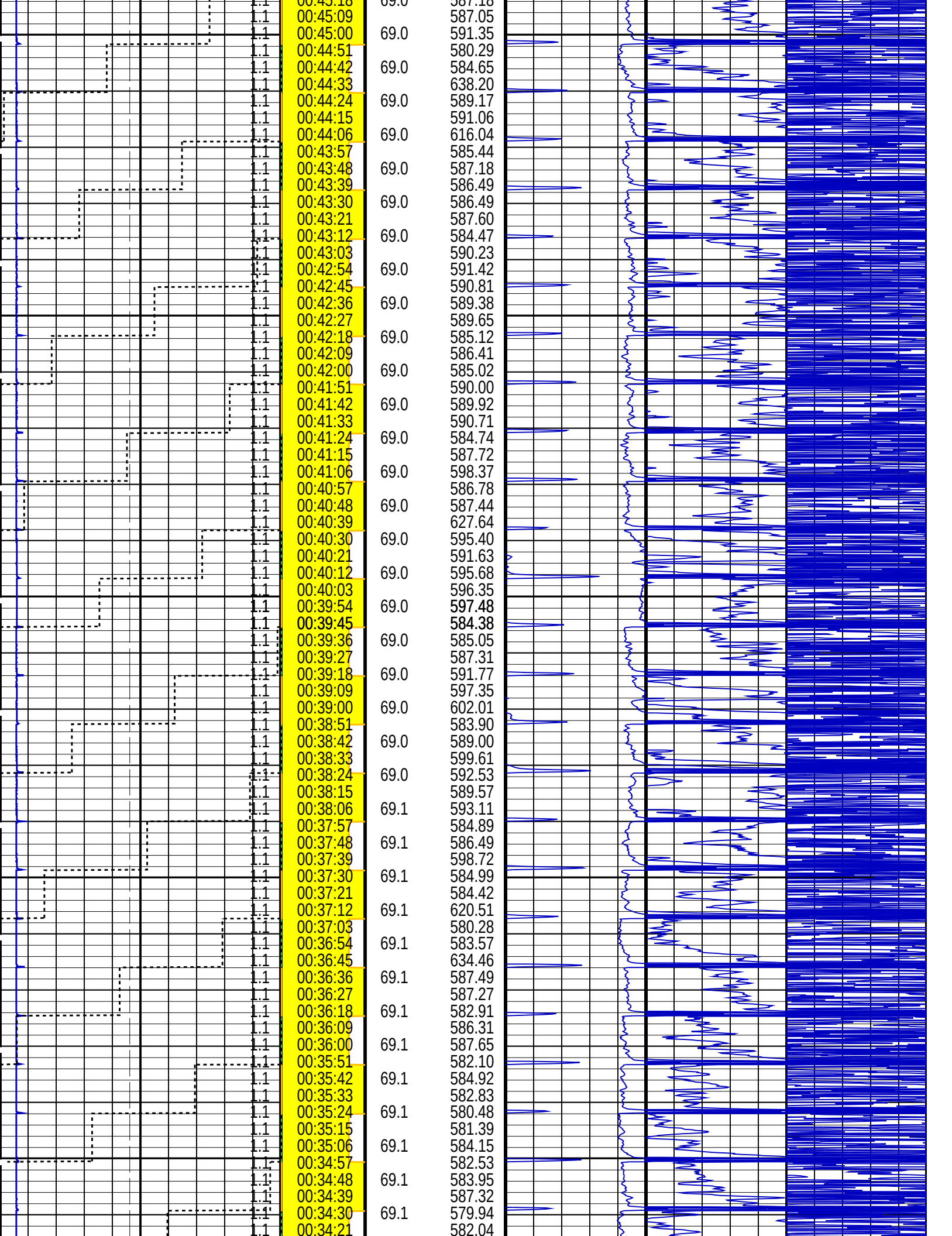


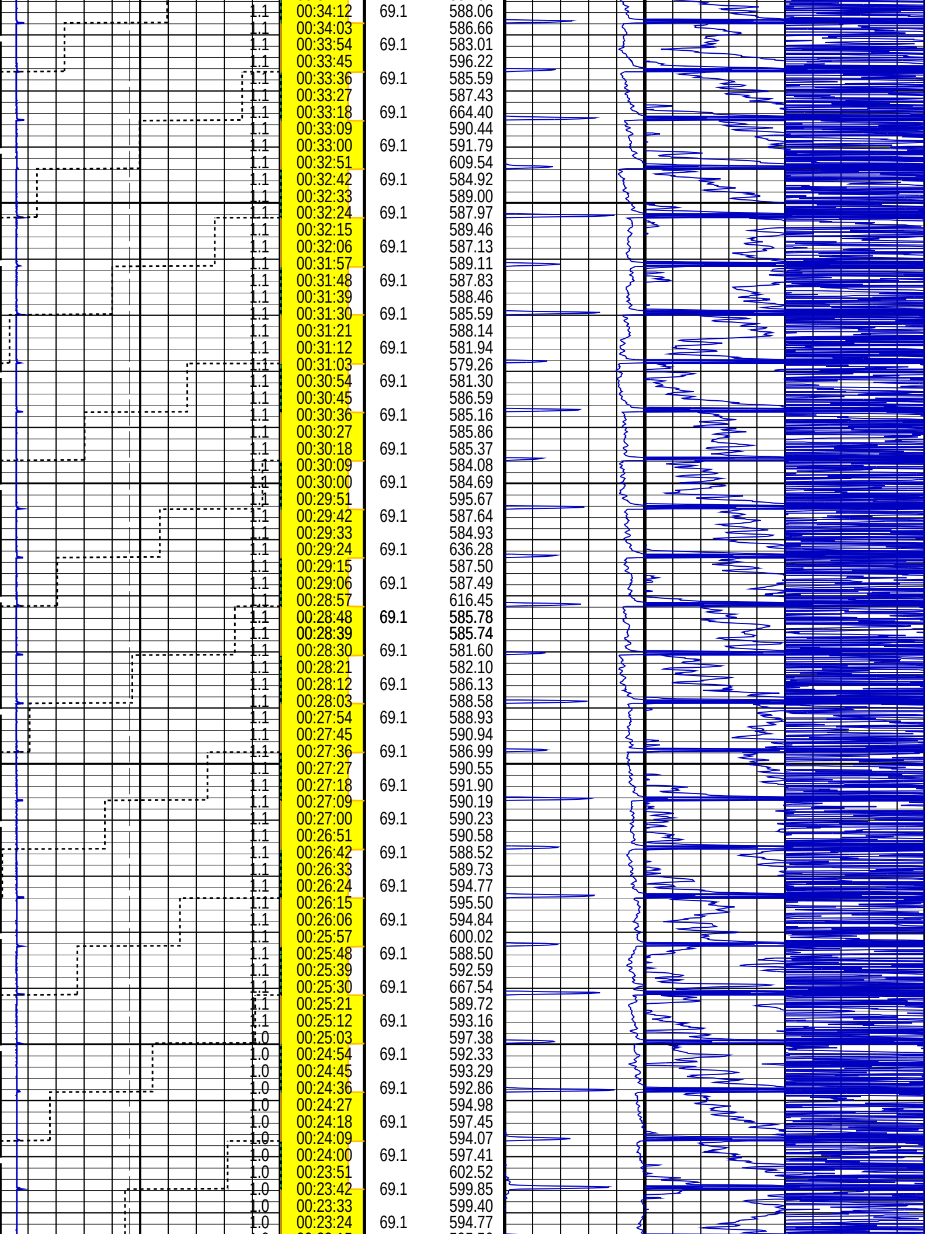


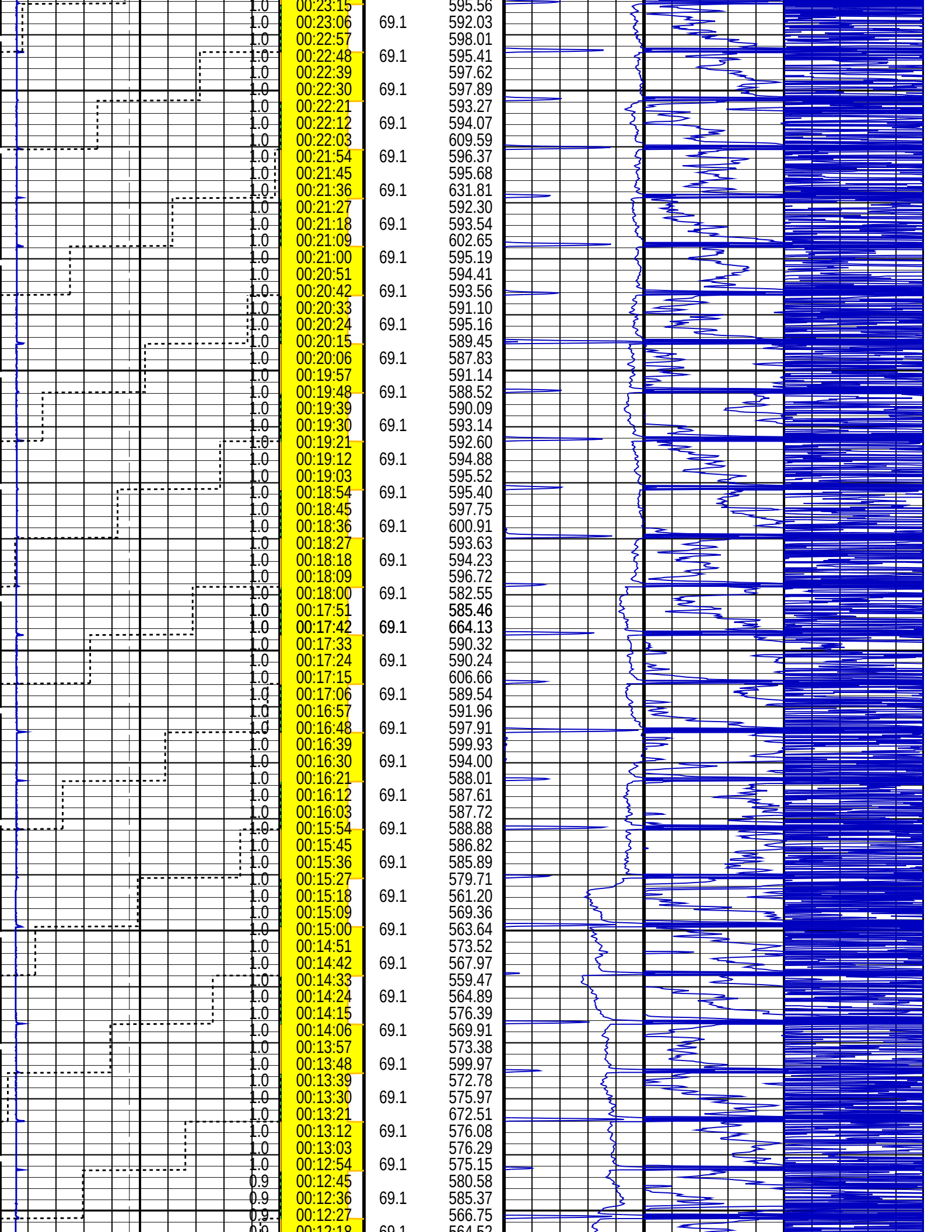


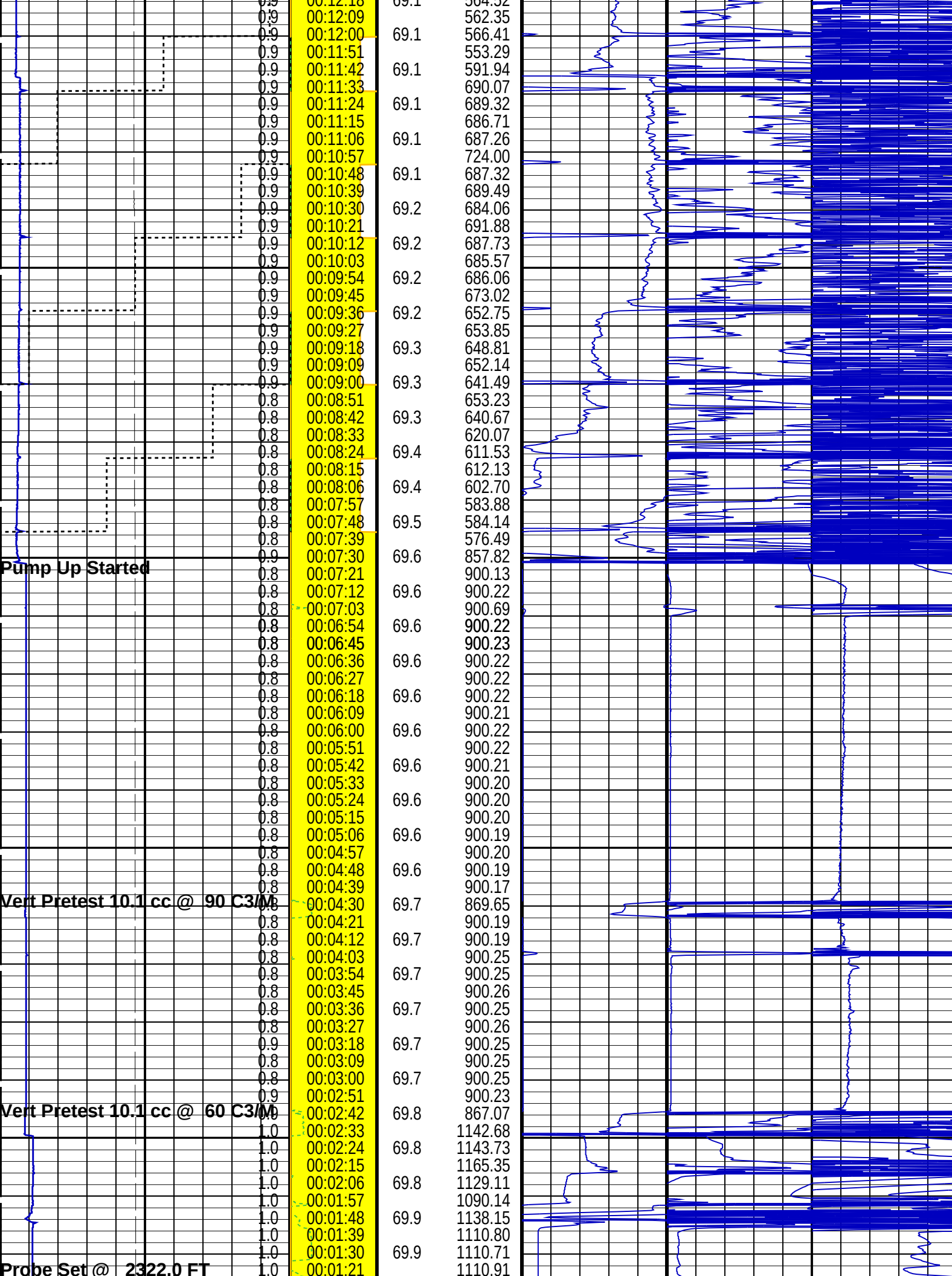












	1.0	00:01:12	69.9	1110.87		
	1.0	00:01:03		1111.11		
	1.0	00:00:54	69.9	1111.26		
	1.0	00:00:45		1111.43		
	1.0	00:00:36	69.9	1111.62		
	1.0	00:00:27		1111.85		
	1.0	00:00:18	69.9	1112.10		
	1.0	00:00:09		1112.36		
	1.0	00:00:00	69.9	1112.63		

MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000	Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 100	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 10	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA) 0 1
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 0 150	MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)			
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3) 0 1000	MRHY 1 Motor Speed (HMS1) (RPM) 0 8000				
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)					

PIP SUMMARY					
Time Mark Every 60 S					

Parameters			
DLIS Name	Description	Value	
MRPS_1: Single Probe Module (MRPS) 1			
PDCO	Probe Depth Correction Offset	0	FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH	
QGDA	Quartz Gauge Deviation Angle	0	DEG
QGFD	Quartz Gauge Flow Line Density	1	G/C3
MRHY_1: Hydraulic Module (MRHY) 1			
PDCO	Probe Depth Correction Offset	0	FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)			
PDCO	Probe Depth Correction Offset	0	FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366	
MRMS_1: MDT Multi-Sample (MRMS) 1			
PDCO	Probe Depth Correction Offset	0	FT
MRPC: Power Cartridge			
PDCO	Probe Depth Correction Offset	0	FT

Format: MRPS1/MRPQ1_Station	Vertical Scale: 1" per 60S	Graphics File Created: 19-Oct-2011 21:34
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OP System Version: 19C0-187			
MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files					
DEFAULT	MDT_163LTP	FN:242	PRODUCER	19-Oct-2011 21:34	
BACKUP	MDT_163LTP	FN:243	PRODUCER	19-Oct-2011 21:37	

		Pressure Test 2177.0 ft
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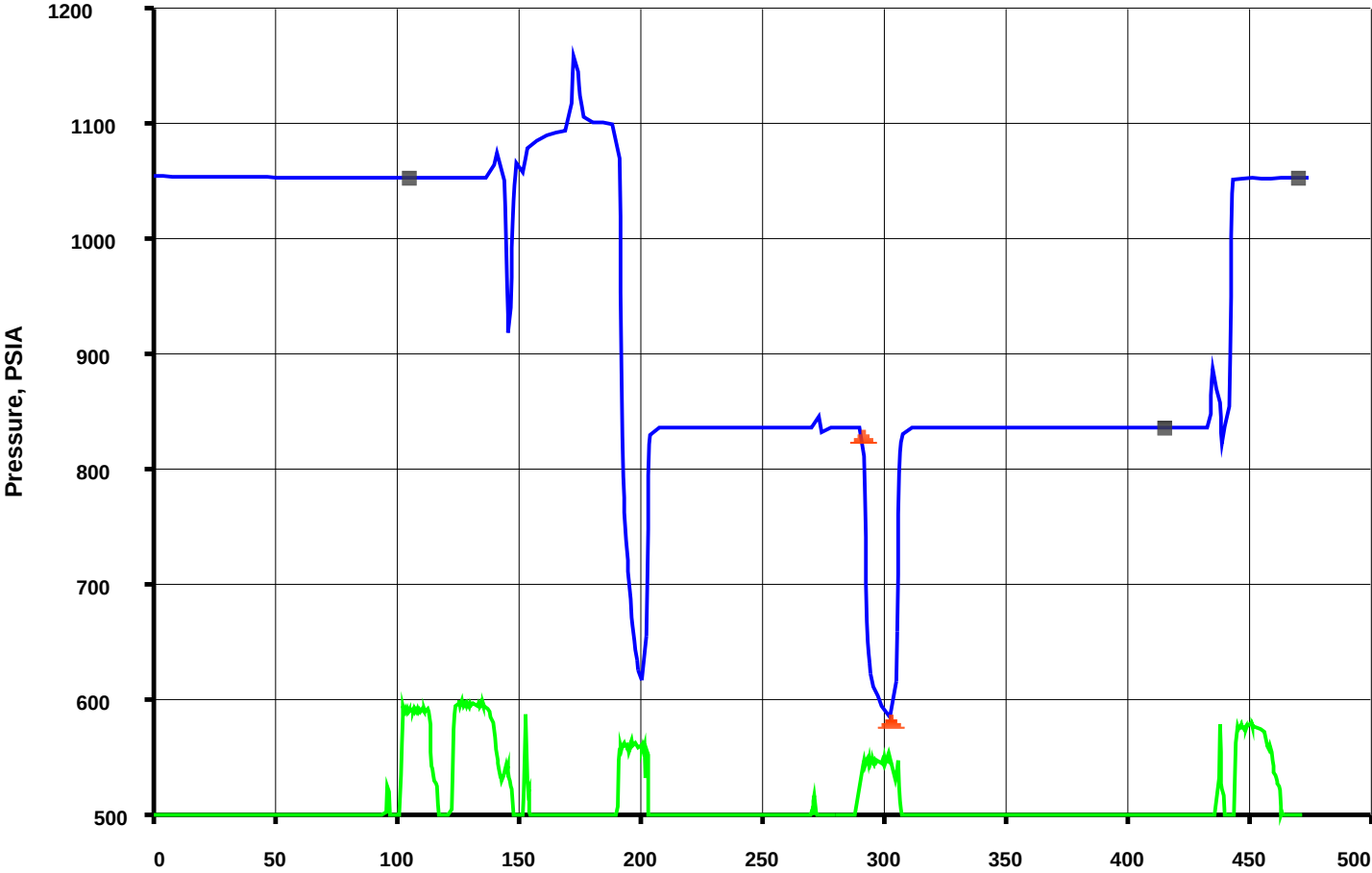
MAXIS Field Log

File 164
15-Oct-2011

Depth, FT: 2176.97
SANDIA TECHNOLOGIES, LLC
WILDCAT
NYSTA TANDEM LOT 1

Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 1053.12
Mud Pressure after test, PSIA: 1052.9
Last build-up pressure, PSIA: 836.5
Draw-down mobility, md/cp: 7.4

T0: 303.0sec Production time: 11.1sec

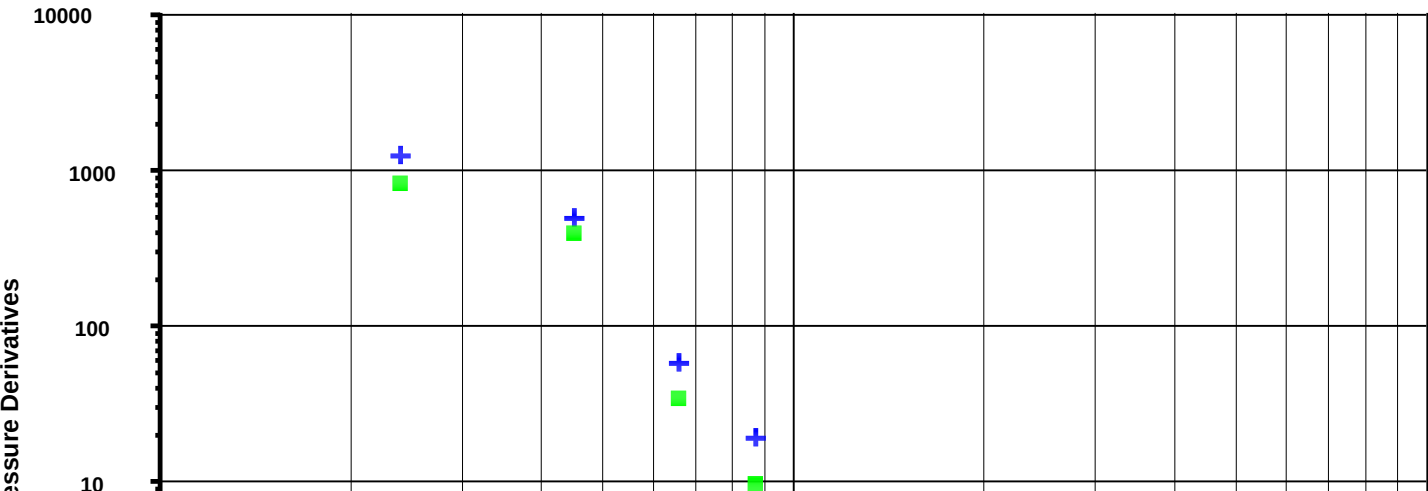


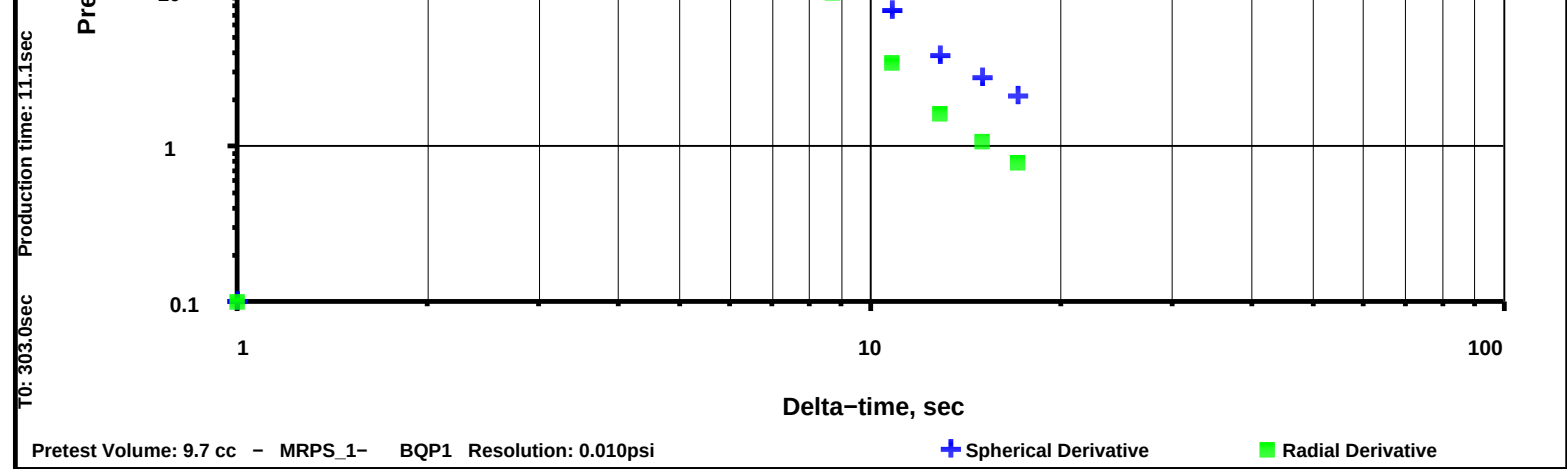
Mobility Based Flow Volume: 9.7 cc
Total Pretest Volume: 9.8 cc - MRPS_1- BQP1 Resolution: 0.010psi

File 164
15-Oct-2011

Depth, FT: 2176.97
SANDIA TECHNOLOGIES, LLC
WILDCAT
NYSTA TANDEM LOT 1

Volumetric Limited draw-down - Large-Diameter probe





Company: SANDIA TECHNOLOGIES, LLC Well: NYSTA TANDEM LOT 1

Output DLIS Files

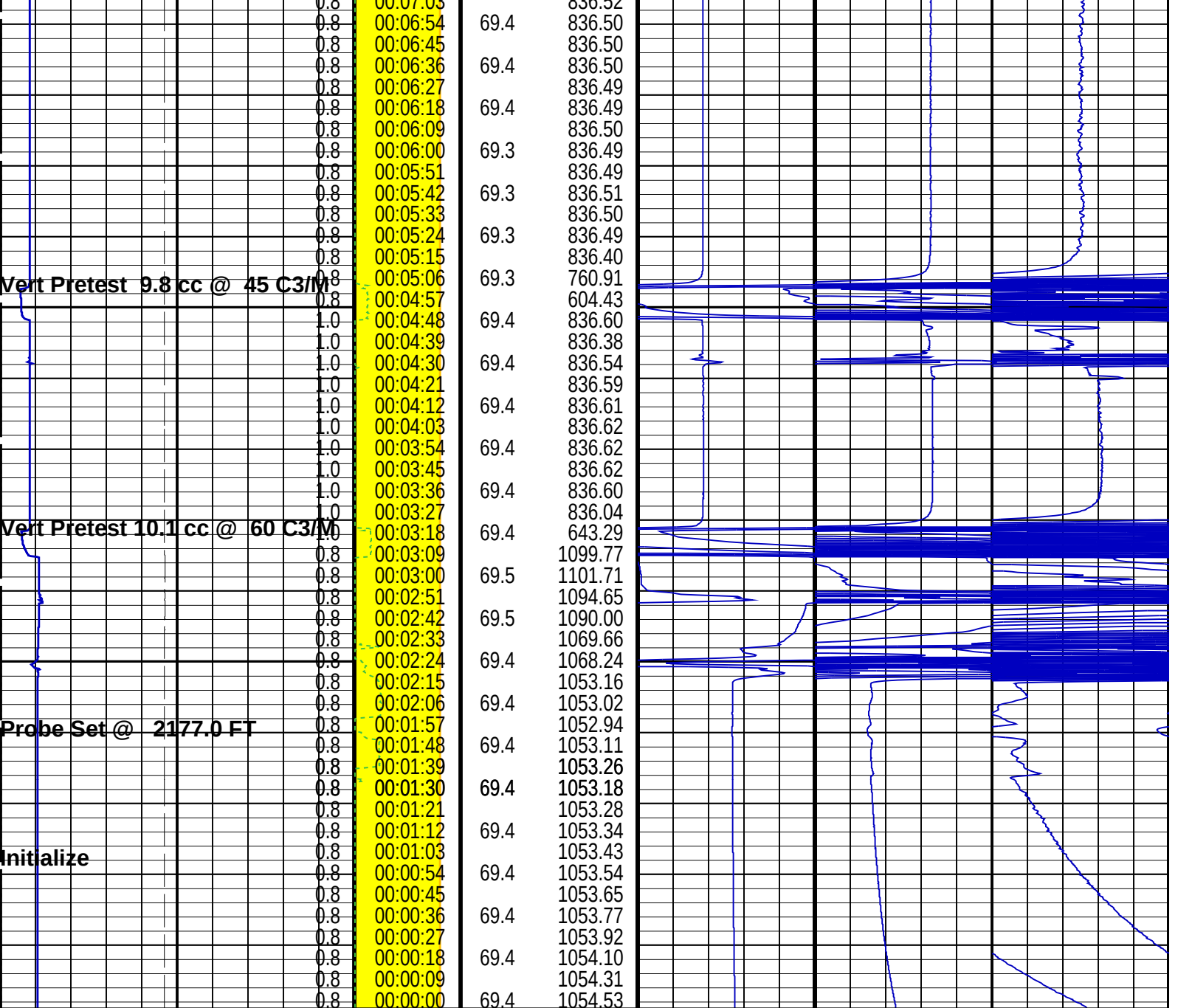
DEFAULT	MDT_164LTP	FN:244	PRODUCER	20-Oct-2011 04:51	2177.0 FT
BACKUP	MDT_164LTP	FN:245	PRODUCER	20-Oct-2011 04:54	2177.0 FT

Elapsed Time (s)	Event Summary
440.1	Retract Single Probe Module (MRPS) 1
286.8	Vert Pretest 9.8 cc @ 45 C3/M Single Probe Module (MRPS) 1
186.3	Vert Pretest 10.1 cc @ 60 C3/M Single Probe Module (MRPS) 1
118.5	Probe Set @ 2177.0 FT Single Probe Module (MRPS) 1
63.9	Initialize MDT Multi-Sample (MRMS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)							
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRHY 1 Motor Speed (HMS1) (RPM)	MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		Resistivity Cell Temperature (B1TR) (DEGF)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	
0 1000		0 8000	0 150		5 (----) 0	0 100 0 10 0 1	
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)		MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
0 10000							
Retract		00:06:00	69.4		1052.89		
		00:07:57	69.4		1052.89		
		00:07:48	69.4		1052.78		
		00:07:39	69.4		1052.89		
		00:07:30			841.27		
		00:07:21	69.4		836.56		
		00:07:12			826.52		
		00:07:03					



MRPS 1 Strain Gauge Pressure (BSG1) 0 (PSIG) 10000		Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 100		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 10		MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 1	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 0 150				MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0		Resistivity Cell Temperature (B1TR) (DEGF)			
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3) 0 1000		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000							
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)								

PIP SUMMARY

Time Mark Every 60 S

Parameters

Parameters		
DLIS Name	Description	Value
MRPS_1: Single Probe Module (MRPS) 1		
PDCO	Probe Depth Correction Offset	0 FT
QGCA	Quartz Gauge Pressure Correction Applied	BOTH
QGDA	Quartz Gauge Deviation Angle	0 DEG
QGFD	Quartz Gauge Flow Line Density	1 G/C3
MRHY_1: Hydraulic Module (MRHY) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
PDCO	Probe Depth Correction Offset	0 FT
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	366
MRMS_1: MDT Multi-Sample (MRMS) 1		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT
Format: MRPS1/MRPQ1_Station		Vertical Scale: 1" per 60S
		Graphics File Created: 20-Oct-2011 04:51

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_164LTP	FN:244	PRODUCER	20-Oct-2011 04:51
BACKUP	MDT_164LTP	FN:245	PRODUCER	20-Oct-2011 04:54



Correlation

MAXIS Field Log

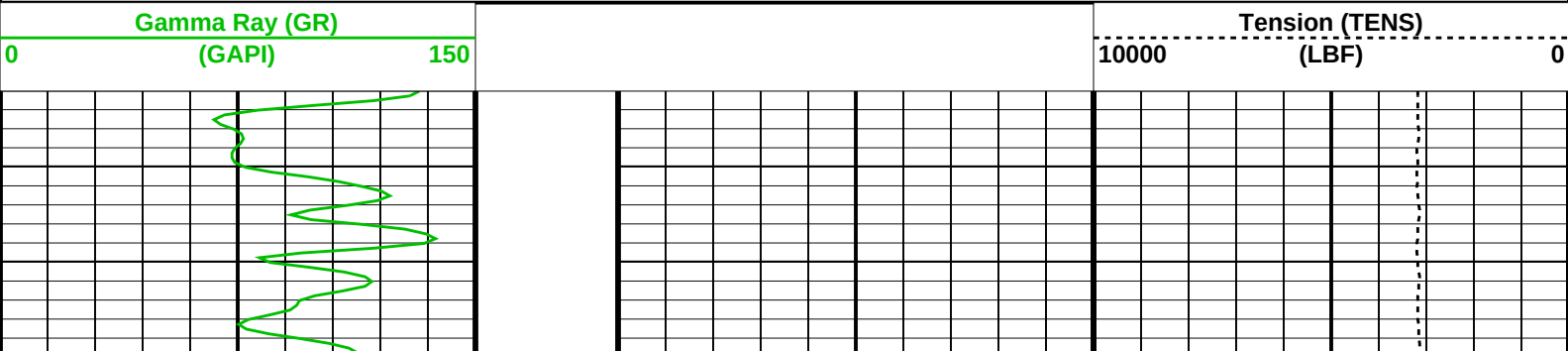
Company: SANDIA TECHNOLOGIES, LLC	Well: NYSTA TANDEM LOT 1
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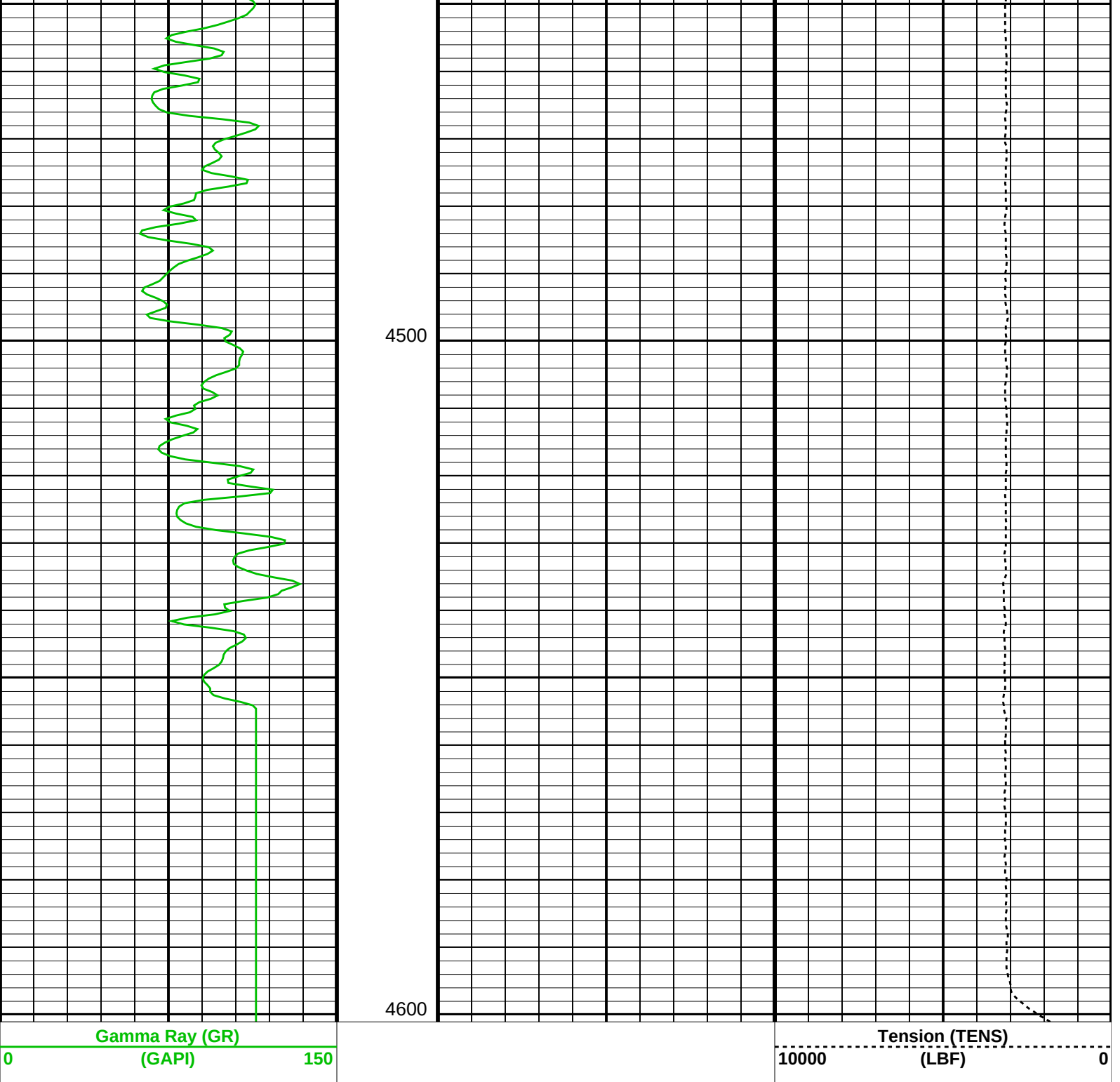
Output DLIS Files

DEFAULT	MDT_123LUP	FN:162	PRODUCER	19-Oct-2011 14:25
BACKUP	MDT_123LUP	FN:163	PRODUCER	19-Oct-2011 14:29

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		





Parameters

DLIS Name	Description	Value	
MRPS_1: Single Probe Module (MRPS) 1			
PDCO	Probe Depth Correction Offset	0	FT
MRHY_1: Hydraulic Module (MRHY) 1			
PDCO	Probe Depth Correction Offset	0	FT
MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)			
PDCO	Probe Depth Correction Offset	0	FT
MRMS_1: MDT Multi-Sample (MRMS) 1			
PDCO	Probe Depth Correction Offset	0	FT
MRPC: Power Cartridge			
PDCO	Probe Depth Correction Offset	0	FT
System and Miscellaneous			
DORL	Depth Offset for Repeat Analysis	0.0	FT

Format: CORRELATION Vertical Scale: 5" per 100' Graphics File Created: 19-Oct-2011 14:25

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRMS_1	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_123LUP	FN:162	PRODUCER	19-Oct-2011 14:25
BACKUP	MDT_123LUP	FN:163	PRODUCER	19-Oct-2011 14:29



Calibrations

MAXIS Field Log

Vert Strain Gauge (Single Probe Module 1)

Serial Number:	208939
Range:	20K
Calibration Date:	8-July-2011
Mean Quadratic Deviation:	0.5865
Offset:	0.0000 PSI
Calibration Pressure Unit:	PSIG
Calibration Temperature Unit:	DEGF

	G	H	I	J
0	-1.010058e+003	1.006326e+000	-1.814758e-007	-2.836892e-012
1	1.440849e-001	-2.114443e-005	-3.863547e-010	1.170188e-014
2	-2.450552e-004	7.591935e-008	4.214190e-013	-5.219725e-017
3	1.042474e-006	-1.070310e-010	2.475926e-015	0.000000e+000

MASTER CALIBRATION SUMMARY: Quartz Gauge (Single Probe Module 1)

Calibration Pressure Unit:	PSIA
Calibration Temperature Unit:	DEGC
Sensor Comment:	:
Sensor Serial Number:	3591
Sensor Calibration Date (DDMMYY):	250610
Pressure Model:	P=F(Fc,Fb)
Pressure Matrix:	66
Pressure CRC:	F3CA
Temperature Model:	T=F(Fb,Fc)
Temperature Matrix:	66
Temperature CRC:	B52E

Clock Comment: :
 Clock Serial Number: 824
 Clock Calibration Date (DDMMYY): 140610
 Clock Model: Fclk=F(Fb'-Fc')
 Clock Matrix: 16
 Clock CRC: 3756
 Fc Offset: +.514400000000E+07 Hz
 Fb Offset: +.558800000000E+07 Hz
 R Offset: +.470000000000E+06 Hz

Pressure Coefficients

	Fb**0	Fb**1	Fb**2	Fb**3
Fc**0	+.790595321326E+04	+.425858999414E-01	+.201801186171E-06	-.714435230352E-10
Fc**1	-.101011468470E+01	-.120902102397E-04	-.960314861247E-10	-.367969799818E-15
Fc**2	+.793063313352E-06	+.343256291625E-10	+.501870771600E-15	+.699096502621E-19
Fc**3	+.393254704613E-11	+.545114613337E-15	-.114830976820E-18	-.163814020159E-22
Fc**4	+.179555315608E-15	+.371617070142E-19	+.160883584974E-23	-.168986723146E-26
Fc**5	-.710771647510E-20	-.942257070789E-23	+.127497185889E-26	+.392544460348E-30

	Fb**4	Fb**5
Fc**0	-.133252093094E-14	-.216945649710E-19
Fc**1	-.262741285808E-19	+.143100419136E-23
Fc**2	+.314118265315E-23	-.485160790750E-27
Fc**3	+.898289652109E-27	+.928363627133E-31
Fc**4	-.400437813439E-31	+.133870139512E-34
Fc**5	-.851906031526E-35	-.252782756358E-38

Temperature Coefficients

	Fc**0	Fc**1	Fc**2	Fc**3
Fb**0	+.117959438477E+03	-.515242011149E-03	+.571069440568E-08	+.576022908348E-13
Fb**1	-.597470730823E-02	+.133812499745E-07	+.118658962205E-12	+.637349128387E-17
Fb**2	-.317804943946E-07	+.291255489045E-12	+.435835734925E-17	-.971200819981E-21
Fb**3	-.263330398108E-12	+.377054885323E-17	+.103412413379E-20	-.148273464880E-24
Fb**4	-.288855722519E-17	-.464202310042E-22	-.636960823767E-26	+.424752358739E-29
Fb**5	-.226285766400E-21	+.154589444286E-25	-.543753237001E-29	+.680653594220E-33

	Fc**4	Fc**5
Fb**0	+.193479748281E-17	-.303690684733E-21
Fb**1	+.773880012114E-21	-.796133156124E-25
Fb**2	-.552184661840E-25	+.118777780471E-28
Fb**3	-.237710000693E-28	+.252415399206E-32
Fb**4	+.176626091402E-33	-.402918782001E-37
Fb**5	+.128821220383E-36	-.118338787398E-40

Clock Coefficients

Clock Coefficients

F'b/F'c**0	+ .517495833081E+07
F'b/F'c**1	+ .466181090307E-02
F'b/F'c**2	+ .761361828487E-06
F'b/F'c**3	- .650881960823E-10
F'b/F'c**4	- .499193603257E-15
F'b/F'c**5	+ .504789551342E-20

Company: **SANDIA TECHNOLOGIES, LLC**

Schlumberger

Well: **NYSTA TANDEM LOT 1**

Field: **WILDCAT**

County: **ROCKLAND**

State: **NEW YORK**

MODULAR FORMATION DYNAMICS TESTER
PRESSURES / SAMPLING
GAMMA RAY