

Schlumberger

Company: **SANDIA TECHNOLOGIES, LLC**

Well: **NYSTA TANDEM LOT 1**

Field: **WILDCAT**

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

Well: NYSTA TANDEM LOT 1
Field: WILDCAT
County: ROCKLAND
State: NEW YORK

Field: **WILDCAT**
County: **ROCKLAND** State: **NEW YORK**

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[illegible]

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		@	
RMC @ Measured Temperature		@	
Source RMF	RMC		
RM @ MRT	RMF @ MRT	@	@
Maximum Recorded Temperatures			
Circulation Stopped	Time		
Logger On Bottom	Time		
Unit Number	Location		
Recorded By			
Witnessed By			

OTHER SERVICES1 OS1: PEX-AIT OS2: CMR-ECS-HNGS OS3: PPC-SSCAN-FMI OS4: MDT-MSCT OS5: CBL/VDL-USIT	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
THANK YOU FOR CHOOSING SCHLUMBERGER	
TOOLS RUN AS PER TOOL SKETCH	
ALL WELLSITE DATA, PERMIT, MUD REPORT, SOP PROVIDED BY CLIENT	
RUN1: PEX-AIT RUN2: CMR-ECS-HNGS RUN3: PPC-SSCAN-FMI	

RUN4: MSCT RUN5: MDT RUN6: CBL/MDL-USIT

3 MAX TEMP THERMOMETERS RUN IN HEAD, PER RUN, MAX TEMP FROM HTEM.

SLB CREW: THIMLAR / CANNON

RUN 1

SERVICE ORDER #:	AXPS-00185
PROGRAM VERSION:	18C0-147
FLUID LEVEL:	0 ft

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL

START

STOP

LOGGED INTERVAL

START

STOP

[illegible]

RUN 1

RUN 2

SURFACE EQUIPMENT

MRPP-AA 394
GSR-U/Y
WITM (CTS)-A

DOWNHOLE EQUIPMENT

LEH-QT		61.8
LEH-QT 269		



Model	Configuration	TelStatus	Value
TCC-BF			58.9
ECH-KC 1069			
TCC-BF 1069	TelStatus		54.5



SGT-L	Gamma Ray	53.6	55.9
SGH-K 1273			
SGC-SA 601			
SGD-TAA			



MRPC
MRPC-CA 546

PC

50.4

44.0



MRSC_03 45.4
1_GAL-BC 185

SC3 37.9



MRSC_02
1_GAL-GB 272

SC2

39.3

31.8



MRSC_01
1_GAL-GB 263

SC1

25.6

33.2



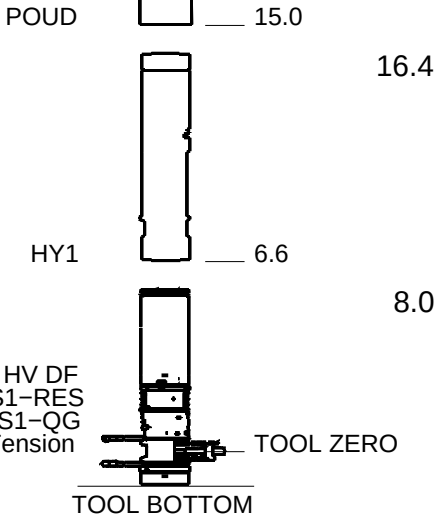
MRPO_UD		27.1
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MRHY_1
MRHY_1-BA 373

MRPS_1
MRPS_1-DZ 366
COG_C MRPS1 283
SG_MRPS1 249181

HV DF
PS1 PS1-RES
PSSG1 PS1-QG
Tension



MAXIMUM STRING DIAMETER 5.00 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Schlumberger

General Summary

MAXIS Field Log

Client: SANDIA TECHNOLOGIES, LLC
Field: WILDCAT
Well: NYSTA TANDEM LOT 1
Run date: 31-Aug-2011

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

Test	File	Depth	TVD	Drawdown Mobility MD/CP	Mud Pressure		Last read build-up Pres PSIA	Formation Pressure PSIA	Test Type
		FT	FT		Before PSIA	After PSIA			
7	96	1194.78	1194.78	260.84	555.59	553.43	478.16	478.16	Volumetric Limited draw-down
10	98	1171.97	1171.97	3.36	542.39	542.34	469.55	469.55	Volumetric Limited draw-down
12	99	1032.47	1032.47	4.22	474.52	474.34	408.40	408.40	Volumetric Limited draw-down
14	100	1001.95	1001.95	92.63	459.57	459.34	394.88	394.88	Volumetric Limited draw-down
16	101	963.98	963.98	5.13	440.93	440.78	378.66	378.66	Volumetric Limited draw-down
18	102	869.00	869.00	4.60	394.70	394.48	337.54	337.54	Volumetric Limited draw-down
21	104	733.87	733.87	1.87	328.80	328.59	278.95	278.95	Volumetric Limited draw-down
22	105	1001.98	1001.98	112.82	458.85	458.31	395.01	395.01	Volumetric Limited draw-down



Detailed Summary

MAXIS Field Log

Client: SANDIA TECHNOLOGIES, LLC
Field: WILDCAT
Well: NYSTA TANDEM LOT 1
Run date: 31-Aug-2011

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

Test Number	18	21	22
File Number	102	104	105
Test Type	Volumetric Limited draw-down	Volumetric Limited draw-down	Volumetric Limited draw-down
Depth,FT	869.00	733.87	1001.98
Vertical Depth,FT	869.00	733.87	1001.98
Mud Pressure before,PSIA	394.70	328.80	458.85
Mud Pressure after,PSIA	394.48	328.59	458.31
Last read build-up Pressure,PSIA	337.54	278.95	395.01
Formation Pressure,PSIA	337.54	278.95	395.01
Pretest 1 duration, SEC	27.9	12.9	10.5
Pretest 1 volume, CC	10.0	1.7	9.0
Pretest 1 flow-rate, CC/SEC	0.36	0.13	0.86
Draw-down Mobility, MD/CP	4.601	1.869	112.821
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: 31-Aug-2011

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

Test Number	7	10	12	14	16
File Number	96	98	99	100	101
Test Type	Volumetric Limited draw	Volumetric Limited draw	Volumetric Limited draw	Volumetric Limited draw	Volumetric Limited draw
Depth,FT	1194.78	1171.97	1032.47	1001.95	963.98
Vertical Depth,FT	1194.78	1171.97	1032.47	1001.95	963.98
Mud Pressure before,PSIA	555.59	542.39	474.52	459.57	440.93
Mud Pressure after,PSIA	553.43	542.34	474.34	459.34	440.78
Last read build-up Pressure,PSIA	478.16	469.55	408.40	394.88	378.66
Formation Pressure,PSIA	478.16	469.55	408.40	394.88	378.66
Pretest 1 duration, SEC	4.5	11.4	25.8	15.6	26.7
Pretest 1 volume, CC	9.4	9.6	9.9	10.0	10.0
Pretest 1 flow-rate, CC/SEC	2.10	0.85	0.38	0.64	0.38
Draw-down Mobility, MD/CP	260.842	3.359	4.218	92.630	5.128
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

Client: SANDIA TECHNOLOGIES, LLC

Field: Wildcat

Well: NYSTA TANDEM LOT 1

Run date: 31-Aug-2011

Depth 1002.0 FT True Vertical Depth 1002.0 FT Sample Number 2 File Number 105	RECOVERY DATA Meter Reading 0.14 F3 Displaced Air 0.14 F3 Total Gas Volume Oil Volume Water Volume 4250.00 C3 Mud Volume Sand Volume Condensate Volume
FORMATION AND LOG DATA Formation Name Formation Porosity 0.15 Porosity Source Density Porosity Rt 120 at 1002.0 FT Rw at 1002.0 FT Rw Source Rw Chlorides Water Saturation 1.00 Formation Temperature 58.00 DEGF	PRESSURE DATA Mud Pressure Before 458.9 PSIG Initial Shut in Pressure 395.0 PSIG Average Sampling Pressure PSIG Chamber Open Time MN Final Shut in Pressure 395.0 PSIG Final Shut in Time MN Sample Chamber Pressure 3600.00 PSIG
RECOVERY ANALYSIS Gas Total Gas Volume Solution Gas Volume Free Gas Volume	MUD FILTRATE DATA Rmf 5.617 Rmf Source Calculated Mud Filtrate Chlorides 200.00

Oil Oil API Gravity Sample GOR				PERMEABILITY ANALYSIS Pretest Draw-down Mobility Pretest Draw-down Permeability Superflow Mobility Fluid Viscosity Formation Pressure	112.8 MDCP 395.0 PSIG
Water Sample Rw Titrated Cl % Formation Water	16.16 at 560.00	77.70 DEGF			
TOOL DATA					
Sample Chamber Volume Flow Restrictor Type Probe Type Probe Size Filter Type Packer Size	4250.00 C3 Standard Conventional probe Large Diameter Probe 0.018 5.0R			Volume Pretest Water Cushion Choke Size	10.00 C3
REMARKS:					

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

Field: Wildcat
Run date: 31-Aug-2011

Depth True Vertical Depth Sample Number File Number	1194.8 FT 1194.8 FT 1 96			RECOVERY DATA Meter Reading Displaced Air Total Gas Volume Oil Volume Water Volume Mud Volume Sand Volume Condensate Volume	 0.125 F3 0.125 F3 3500.00 C3
FORMATION AND LOG DATA Formation Name Formation Porosity Porosity Source Rt Rw Rw Source Rw Chlorides Water Saturation Formation Temperature				PRESSURE DATA Mud Pressure Before Initial Shut in Pressure Average Sampling Pressure Chamber Open Time Final Shut in Pressure Final Shut in Time Sample Chamber Pressure	
				555.6 PSIG PSIG PSIG MN 478.2 PSIG MN 0.00 PSIG	
RECOVERY ANALYSIS Gas Total Gas Volume Solution Gas Volume Free Gas Volume Oil Oil API Gravity Sample GOR Water Sample Rw Titrated Cl % Formation Water				MUD FILTRATE DATA Rmf Rmf Source Mud Filtrate Chlorides	
				5.617 Calculated 200.00	
				PERMEABILITY ANALYSIS Pretest Draw-down Mobility Pretest Draw-down Permeability Superflow Mobility Fluid Viscosity Formation Pressure	
				260.8 MDCP 478.2 PSIG	
TOOL DATA					
Sample Chamber Volume Probe Type Probe Size Filter Type Packer Size	3500.00 C3 Conventional probe Large Diameter 0.18 5.0R			Volume Pretest Water Cushion Choke Size	9.70 C3
REMARKS:					

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Fluid Sample
1194.8 ft

31-Aug-2011

SANDIA TECHNOLOGIES, LLC

Mud Pressure before test, PSIA: 555.59

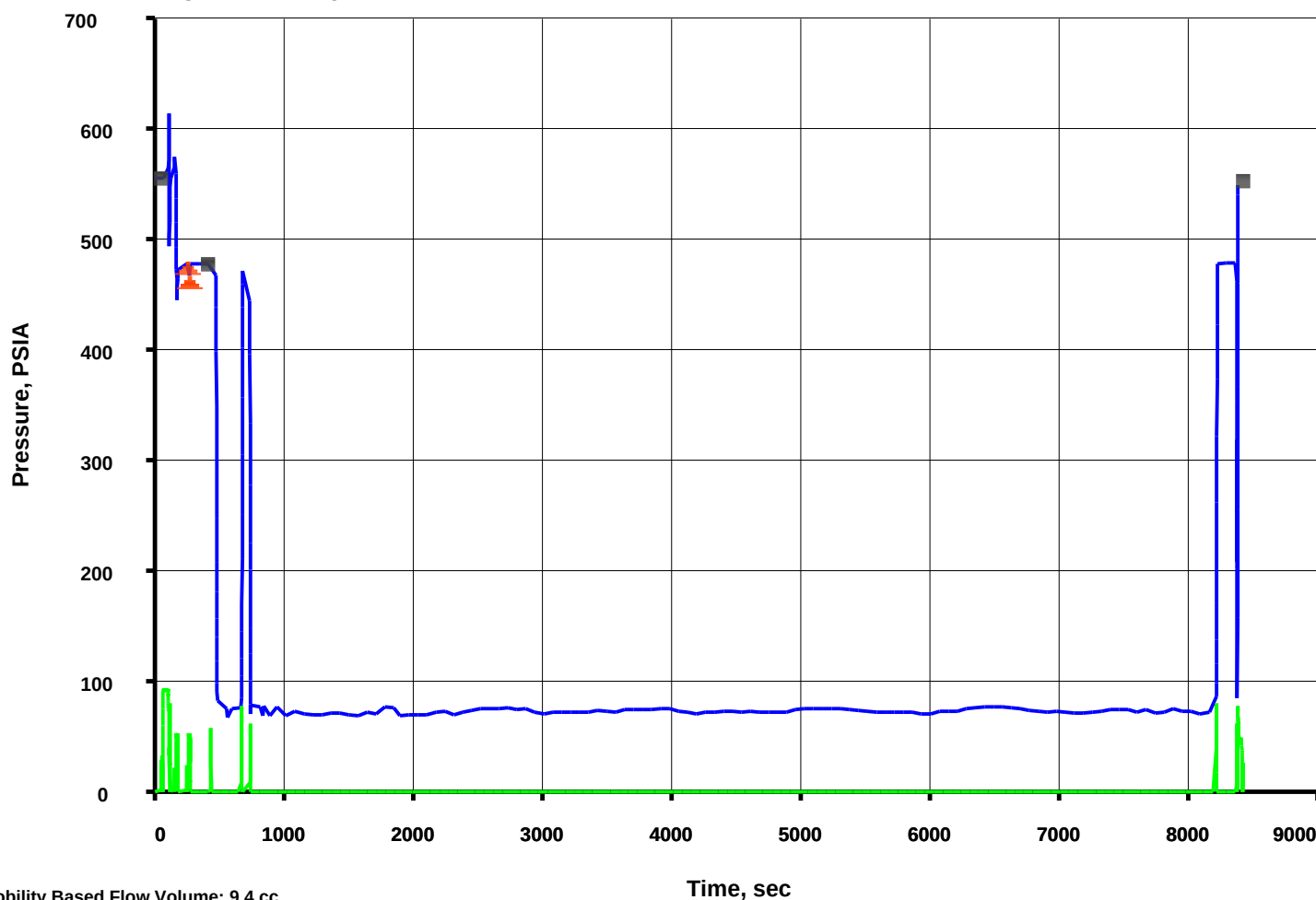
Mud Pressure after test, PSIA: 553.43

WILDCAT

Last build-up pressure, PSIA: 478.16

NYSTA TANDEM LOT 1

Draw-down mobility, md/cp: 260.8



31-Aug-2011

SANDIA TECHNOLOGIES, LLC

Mud Pressure before test, PSIA: 555.59

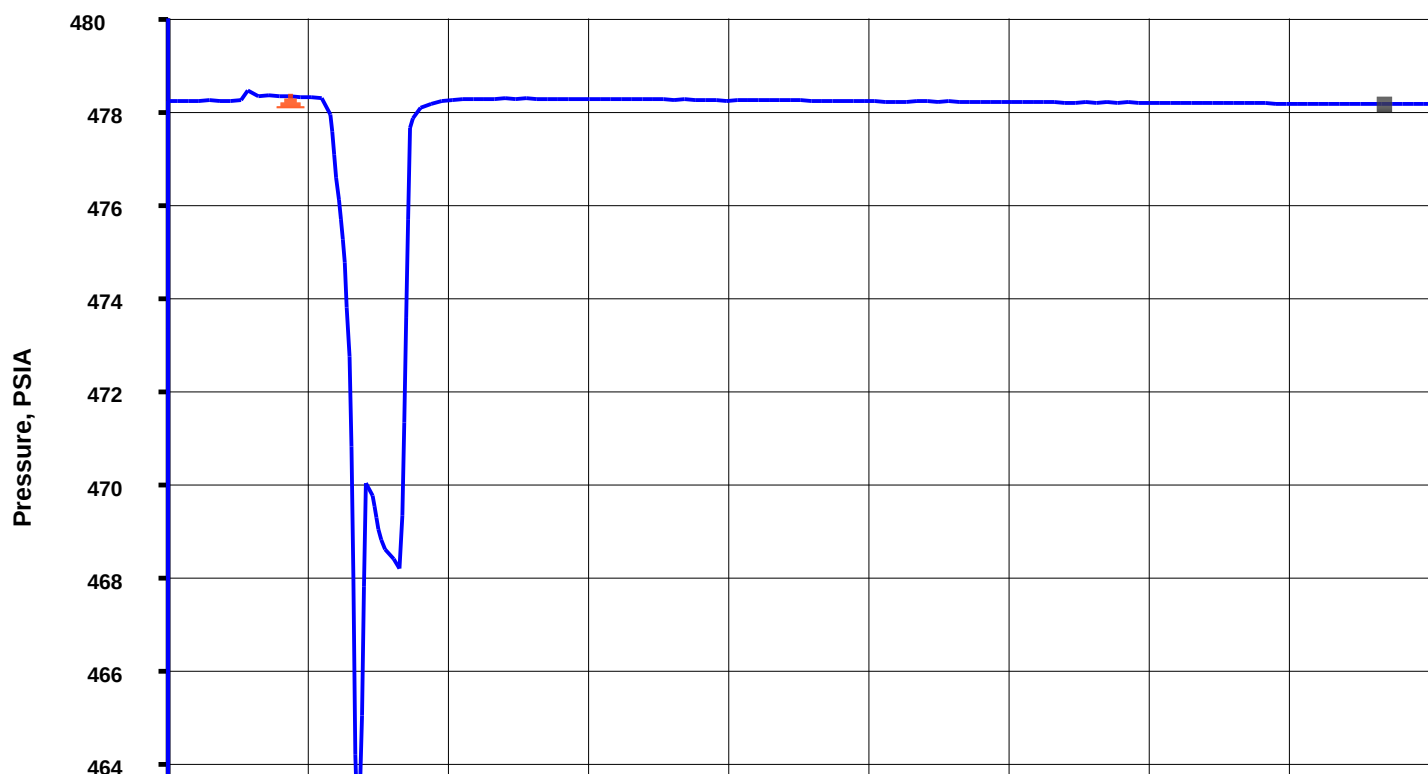
Mud Pressure after test, PSIA: 553.43

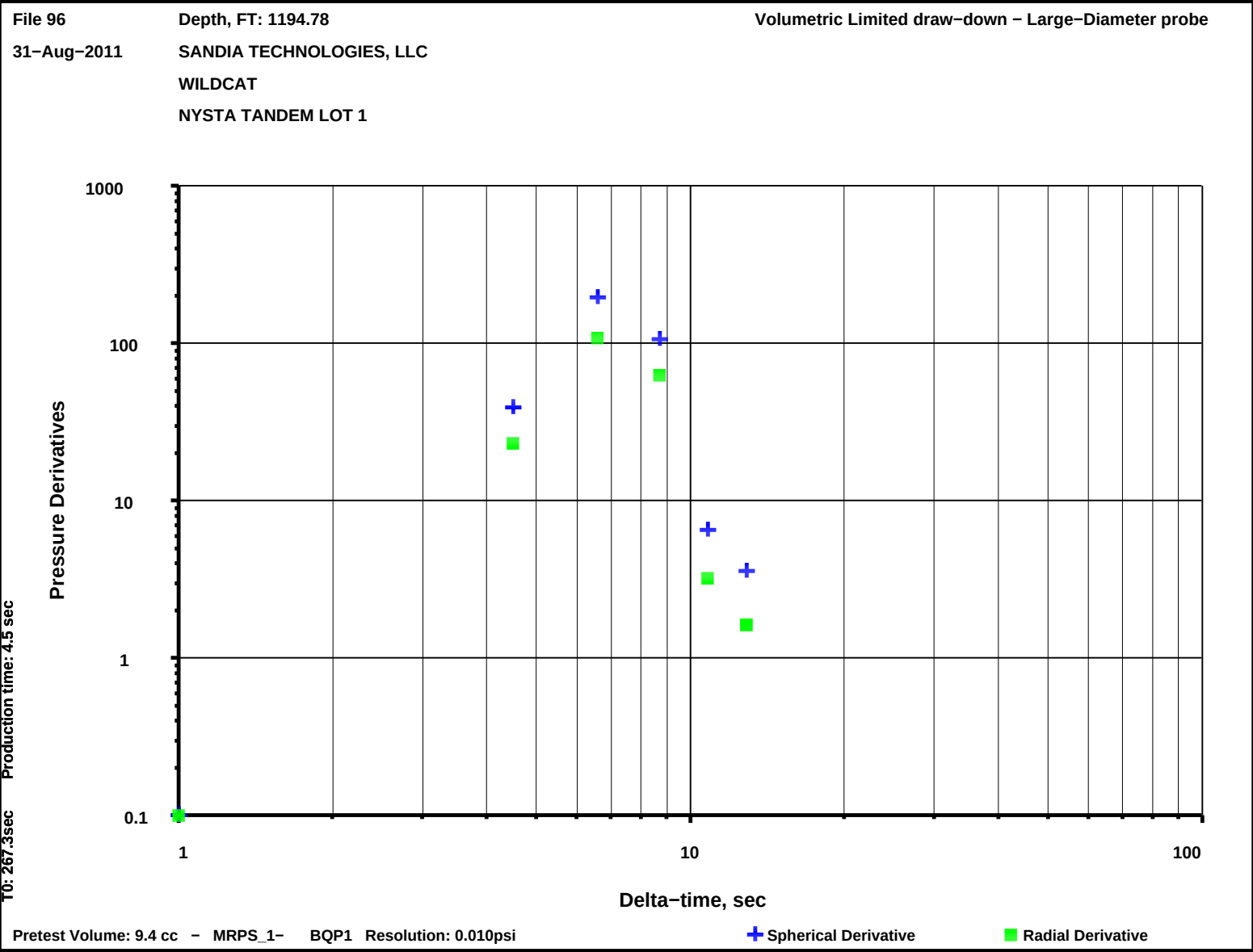
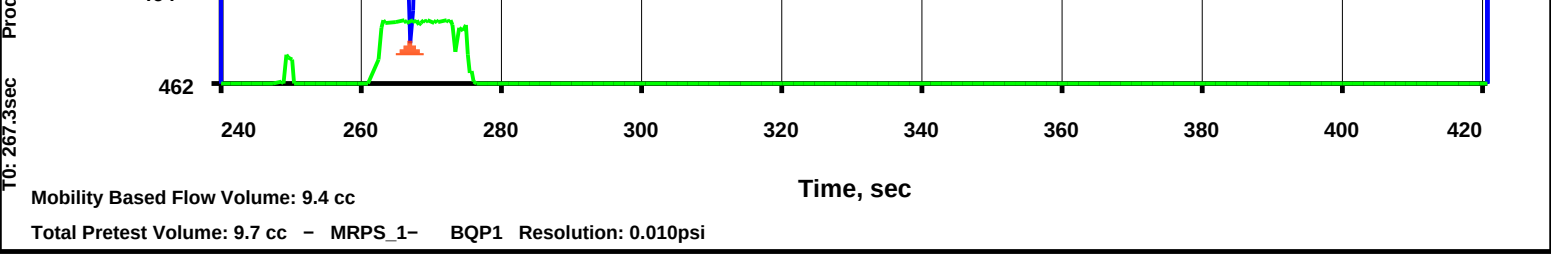
WILDCAT

Last build-up pressure, PSIA: 478.16

NYSTA TANDEM LOT 1

Draw-down mobility, md/cp: 260.8





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

Output DLIS Files					
DEFAULT	MDT_096LTP	FN:147	PRODUCER	01-Sep-2011 03:12	1194.8 FT
BACKUP	MDT_096LTP	FN:148	PRODUCER	01-Sep-2011 03:12	1194.8 FT

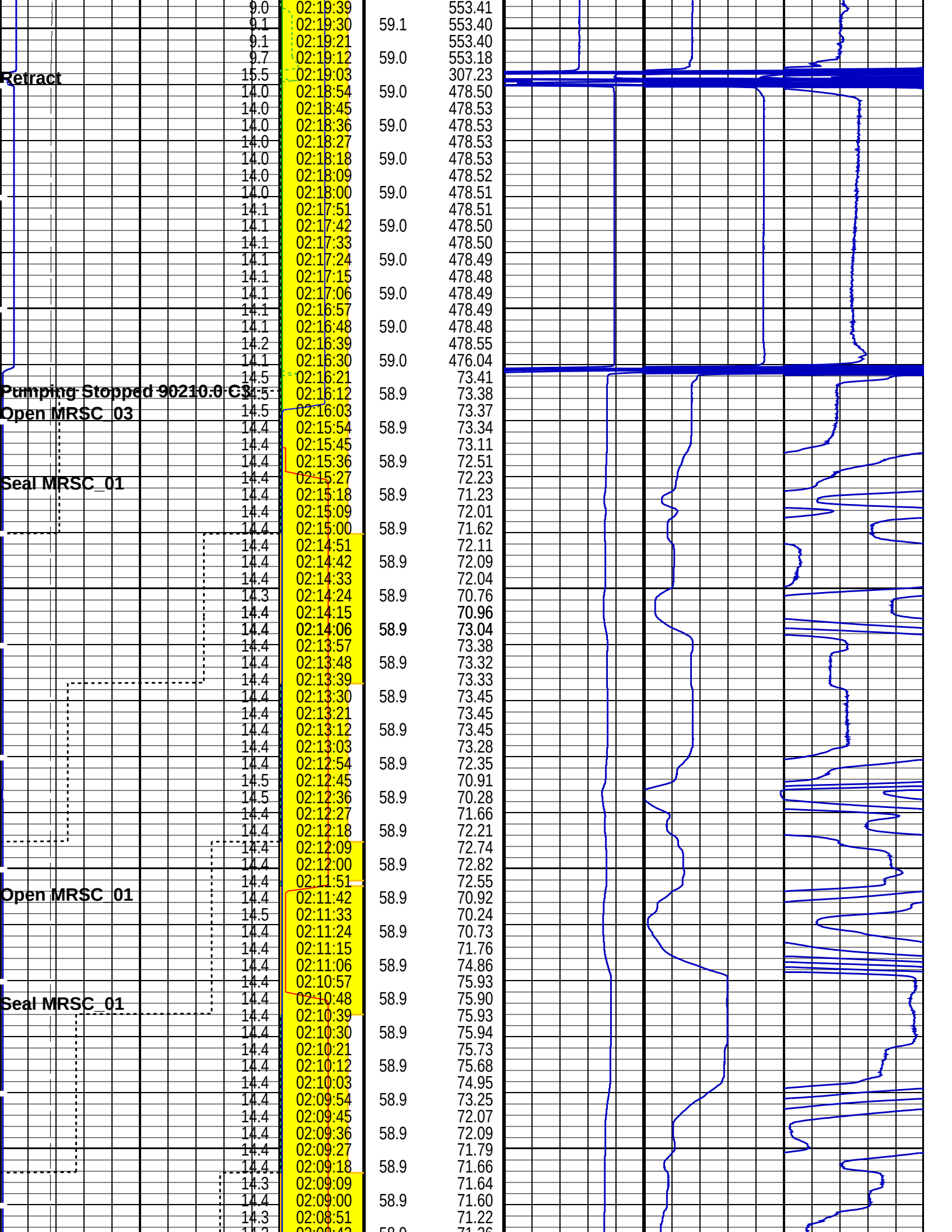
Elapsed Time (s)	Event Summary
8344.8	Retract Single Probe Module (MRPS) 1
8177.1	Pumping Stopped 90210.0 C3 Dual Up-down Pumpout Module (MRPOUD)
8165.1	Open Sample Chamber Module 3 (1 Gallon, H2S), sample number = 9
8127.6	Seal Sample Chamber Module 1 (1 Gallon, Through-Wire, H2S)
7907.4	Open Sample Chamber Module 1 (1 Gallon, Through-Wire, H2S), sample number = 8
7848.0	Seal Sample Chamber Module 1 (1 Gallon, Through-Wire, H2S)

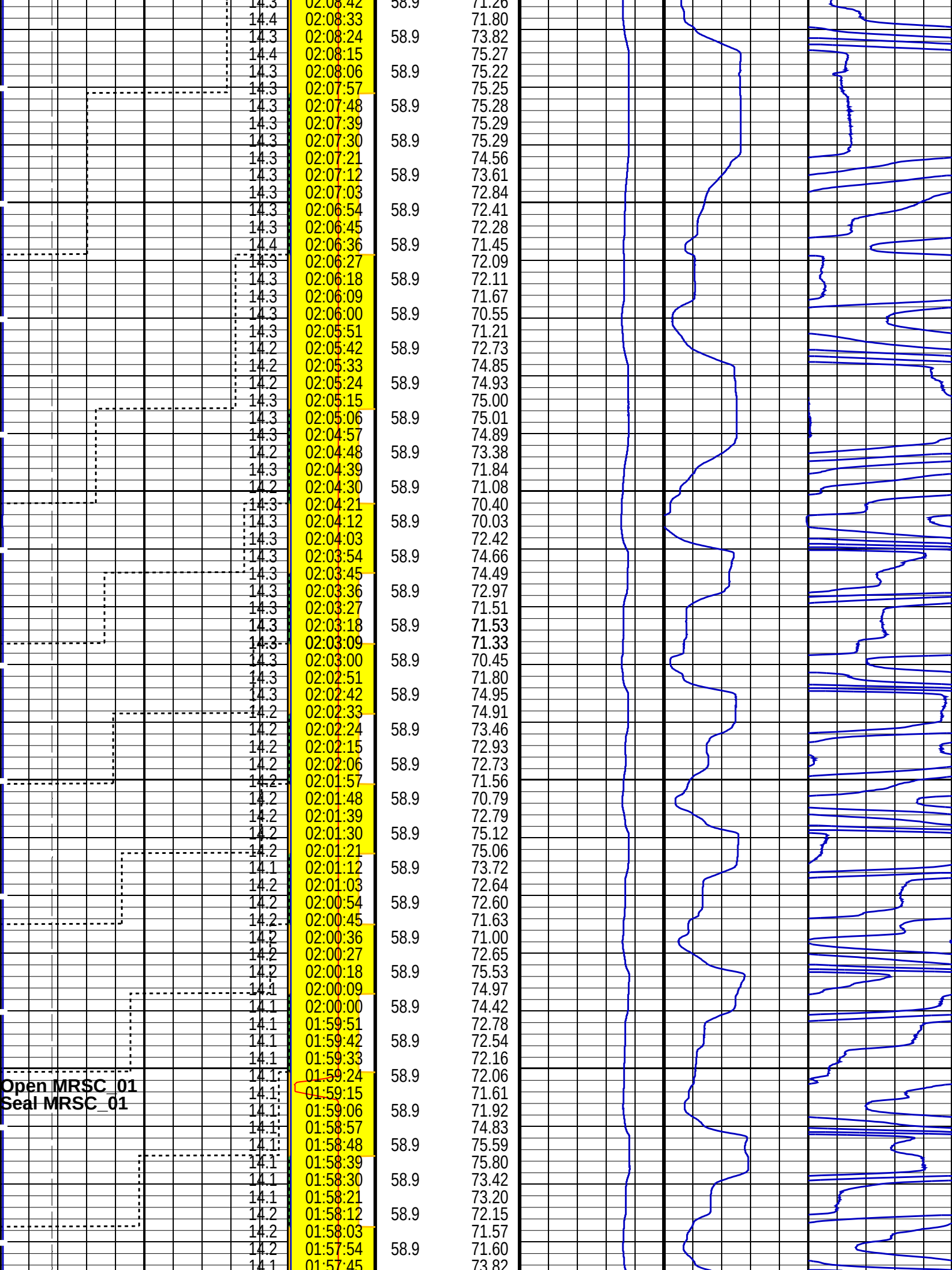
7848.9	Seal Sample Chamber Module 1 (1 Gallon, Through-Wire, H2S)
7162.2	Open Sample Chamber Module 1 (1 Gallon, Through-Wire, H2S), sample number = 6
7153.2	Seal Sample Chamber Module 1 (1 Gallon, Through-Wire, H2S)
6827.7	Open Sample Chamber Module 1 (1 Gallon, Through-Wire, H2S), sample number = 6
6817.2	Seal Sample Chamber Module 1 (1 Gallon, Through-Wire, H2S)
6194.7	Seal Sample Chamber Module 3 (1 Gallon, H2S)
6181.8	Open Sample Chamber Module 1 (1 Gallon, Through-Wire, H2S), sample number = 5
5657.1	Open Sample Chamber Module 3 (1 Gallon, H2S), sample number = 3
5633.7	Seal Sample Chamber Module 3 (1 Gallon, H2S)
3093.0	Open Sample Chamber Module 3 (1 Gallon, H2S), sample number = 3
3064.2	Seal Sample Chamber Module 3 (1 Gallon, H2S)
1724.4	Open Sample Chamber Module 3 (1 Gallon, H2S), sample number = 1
1697.7	Seal Sample Chamber Module 3 (1 Gallon, H2S)
816.9	Open Sample Chamber Module 3 (1 Gallon, H2S), sample number = 0
806.4	Seal Sample Chamber Module 3 (1 Gallon, H2S)
759.6	Pump Up Started Dual Up-down Pumpout Module (MRPOUD)
612.9	Pumping Stopped 970.0 C3 Dual Up-down Pumpout Module (MRPOUD)
473.7	Pump Up Started Dual Up-down Pumpout Module (MRPOUD)
257.7	Vert Pretest 9.7 cc @ 60 C3/M Single Probe Module (MRPS) 1
162.0	Vert Pretest 10.1 cc @ 60 C3/M Single Probe Module (MRPS) 1
63.3	Probe Set @ 1194.8 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

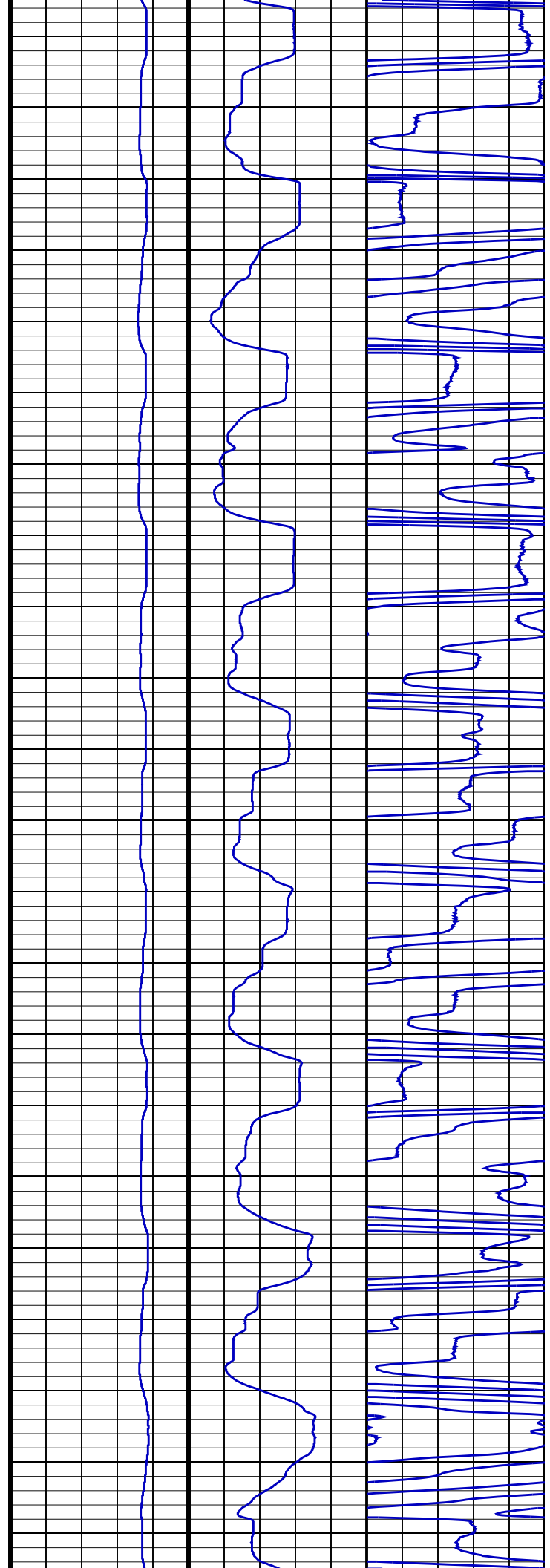
										MRSC 3 Valve Position (VP3) (-----)									
										-5 250									
										MRSC 2 Valve Position (VP2) (-----)									
										-5 250									
										MRSC 1 Valve Position (VP1) (-----)									
										-5 250									
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)																			
MRPOUD Hydraulic Pump Output Volume (POUDPV) 0-----1000 (C3)										MRHY 1 Motor Speed (HMS1) (RPM) 0-----8000									
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 100-----150										MRPOUD Solenoid 3 Status (POUDS3) 5 (-----) 0									
MRPS 1 Quartz Gauge Pressure (BQP1) 0-----10000 (PSIA)										Elapsed Time (ETIM) (S)									
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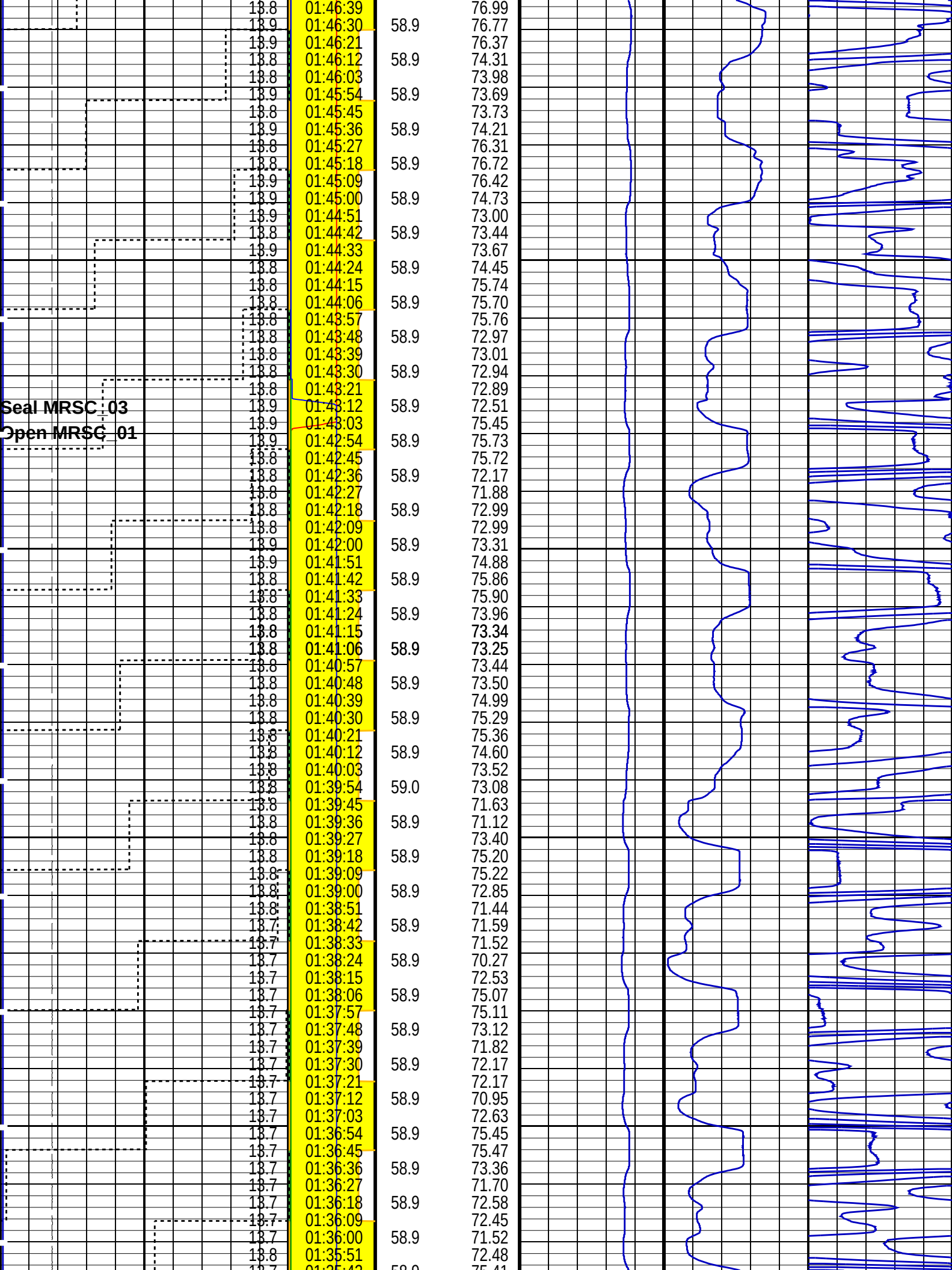


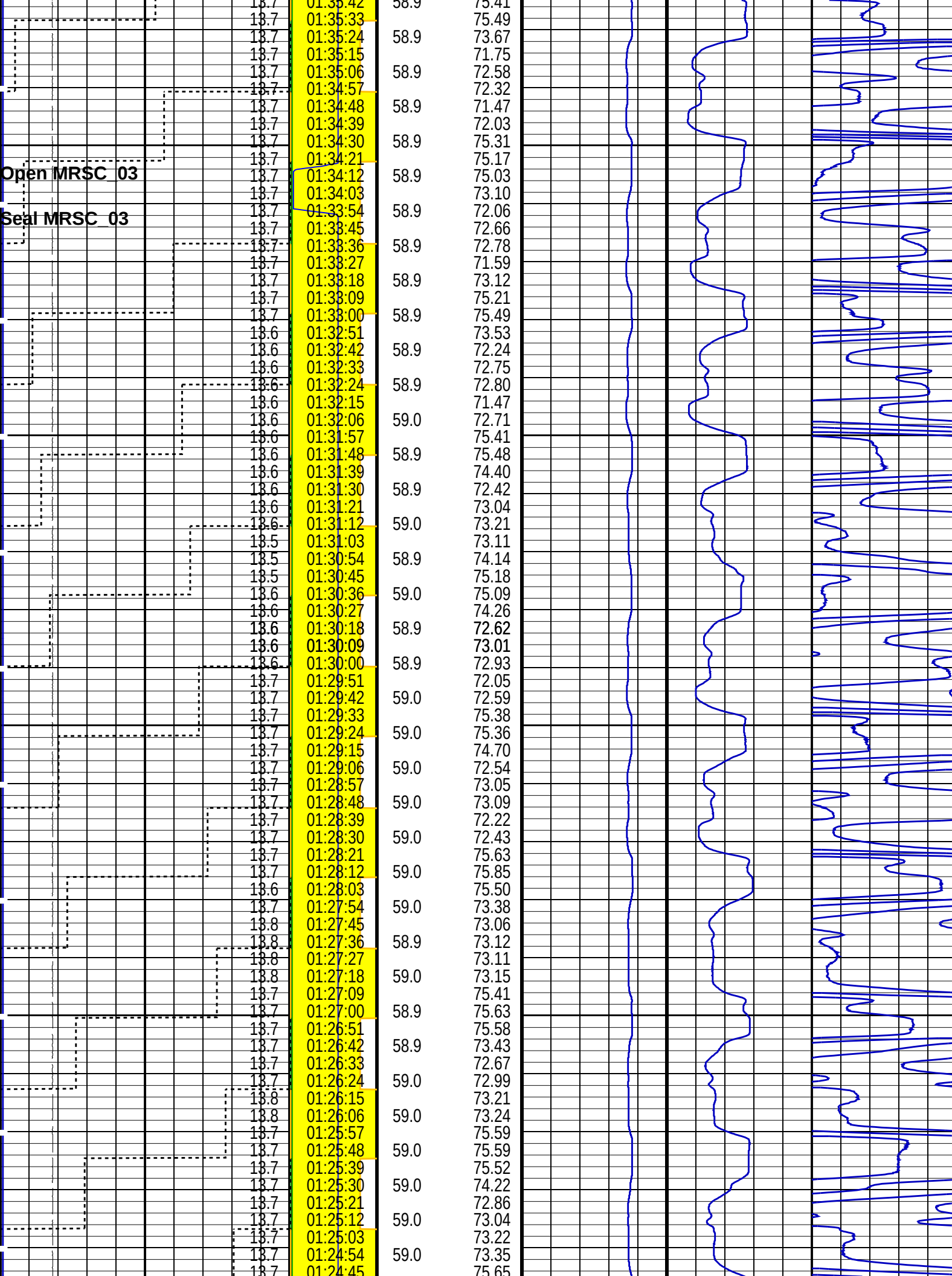


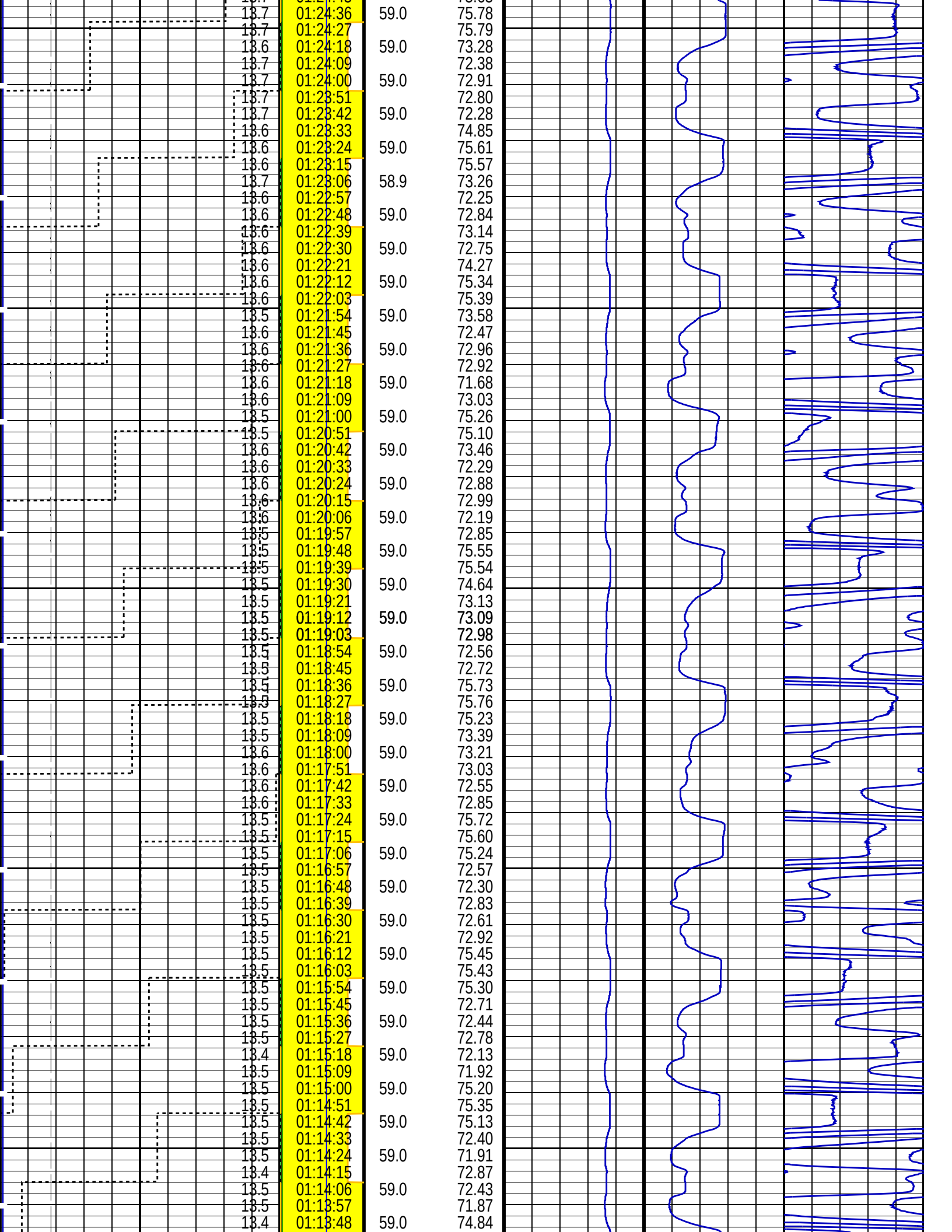
Open MRSC 01
Seal MRSC 01

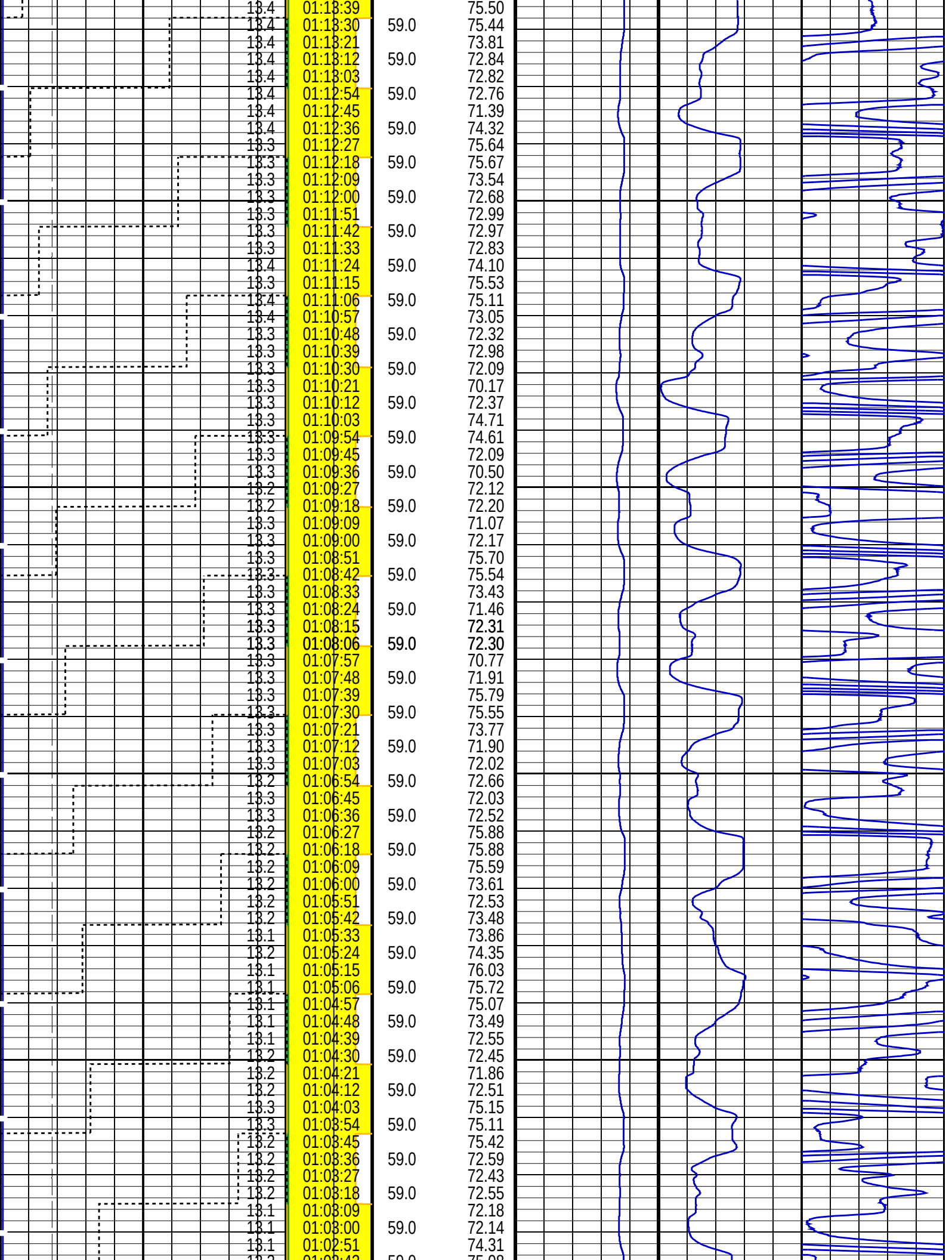
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14.1	01:57:27		75.91
14.1	01:57:18	58.9	73.83
14.1	01:57:09		72.97
14.1	01:57:00	58.9	72.51
14.1	01:56:51		72.26
14.1	01:56:42	58.9	72.40
14.1	01:56:33		73.80
14.1	01:56:24	58.9	76.19
14.1	01:56:15		76.20
14.1	01:56:06	58.9	75.10
14.1	01:55:57		73.71
14.1	01:55:48	58.9	72.88
14.1	01:55:39		71.83
14.0	01:55:30	58.9	71.26
14.0	01:55:21		72.97
14.0	01:55:12	58.9	75.49
14.0	01:55:03		75.45
13.9	01:54:54	58.9	73.79
14.0	01:54:45		72.32
14.0	01:54:36	58.9	72.13
14.0	01:54:27		71.90
14.0	01:54:18	58.9	71.42
14.0	01:54:09		72.86
14.0	01:54:00	58.9	75.91
14.0	01:53:51		75.85
14.0	01:53:42	58.9	75.89
14.0	01:53:33		73.61
14.0	01:53:24	58.9	72.85
14.0	01:53:15		72.54
14.0	01:53:06	58.9	72.61
14.0	01:52:57		72.32
14.0	01:52:48	58.9	75.10
13.9	01:52:39		75.64
13.9	01:52:30	58.9	75.62
14.0	01:52:21		73.72
14.0	01:52:12	58.9	73.53
13.9	01:52:03		73.14
13.9	01:51:54	58.9	72.82
13.9	01:51:45		72.57
13.9	01:51:36	58.9	74.75
13.9	01:51:27		75.55
13.9	01:51:18	58.9	75.49
13.9	01:51:09		74.35
13.9	01:51:00	58.9	74.13
13.9	01:50:51		72.78
13.9	01:50:42	58.9	72.49
13.9	01:50:33		72.32
13.9	01:50:24	58.9	74.55
13.9	01:50:15		76.20
13.9	01:50:06	58.9	76.21
14.0	01:49:57		74.39
14.0	01:49:48	58.9	73.32
13.9	01:49:39		73.15
13.9	01:49:30	58.9	72.88
13.9	01:49:21		72.77
13.9	01:49:12	58.9	74.58
13.9	01:49:03		76.79
13.9	01:48:54	58.9	76.86
13.9	01:48:45		74.83
13.9	01:48:36	58.9	73.82
13.9	01:48:27		73.17
13.9	01:48:18	58.9	72.49
13.9	01:48:09		72.09
13.8	01:48:00	58.9	74.37
13.9	01:47:51		76.92
13.8	01:47:42	58.9	77.02
13.8	01:47:33		76.44
13.8	01:47:24	58.9	75.30
13.8	01:47:15		73.56
13.8	01:47:06	58.9	73.58
13.9	01:46:57		73.50
13.8	01:46:48	58.9	74.36

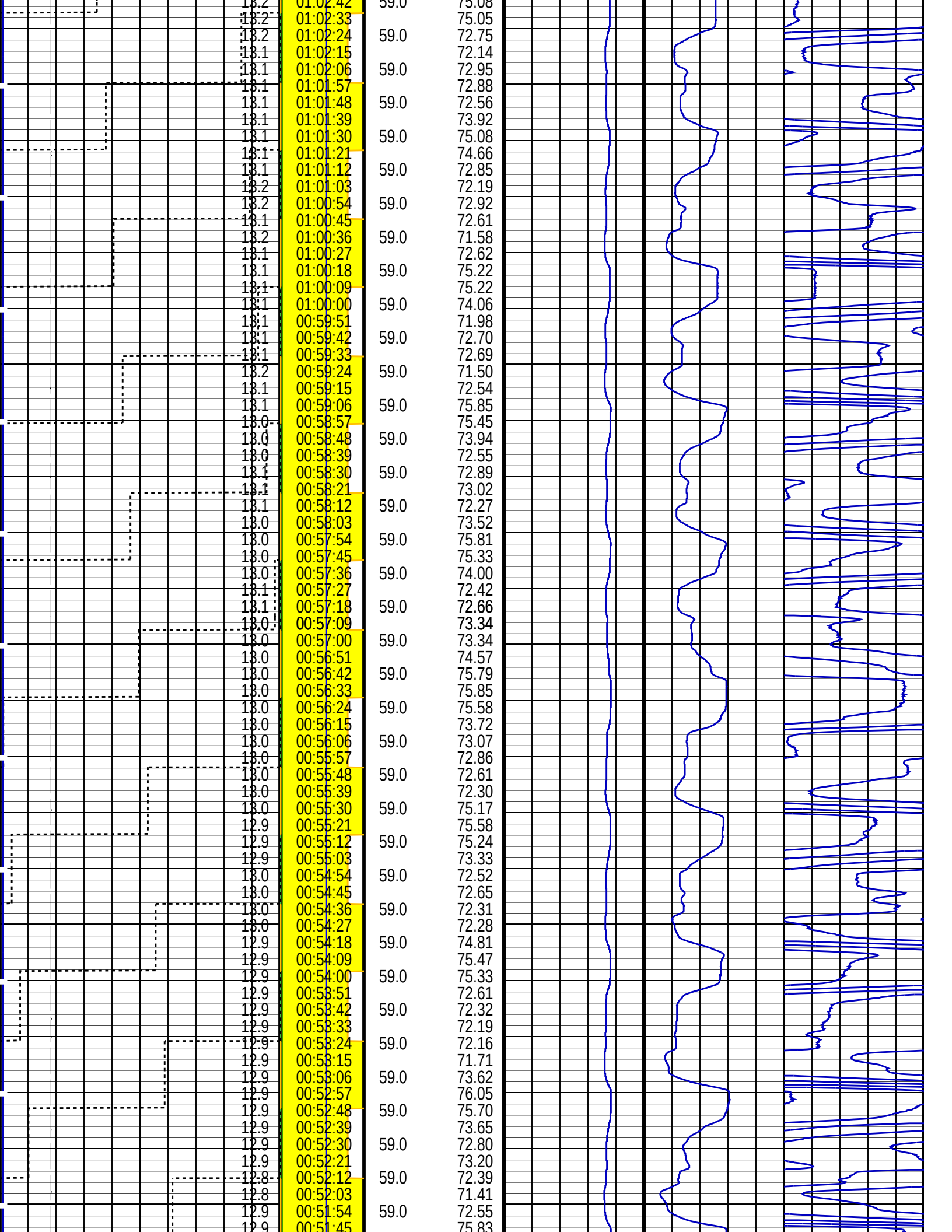


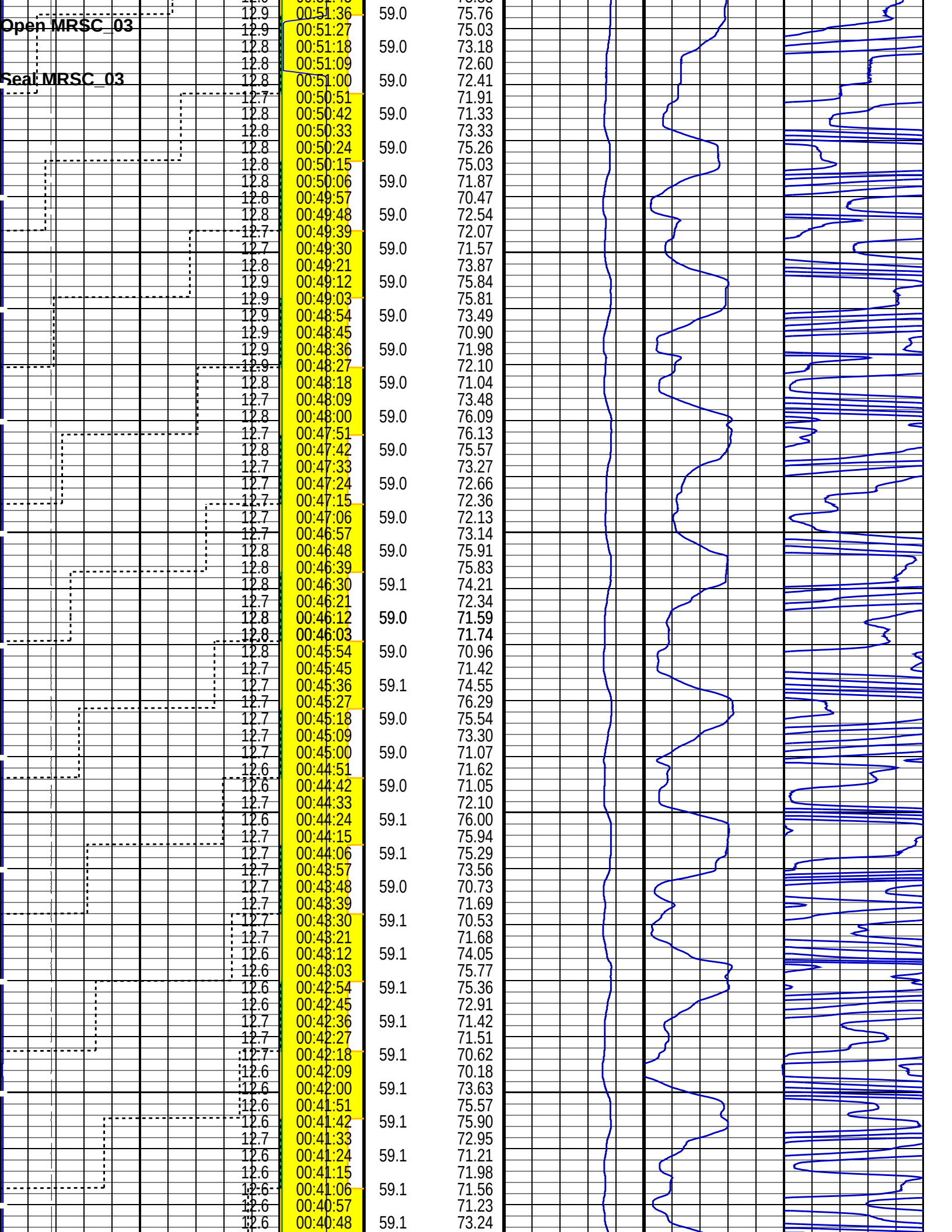


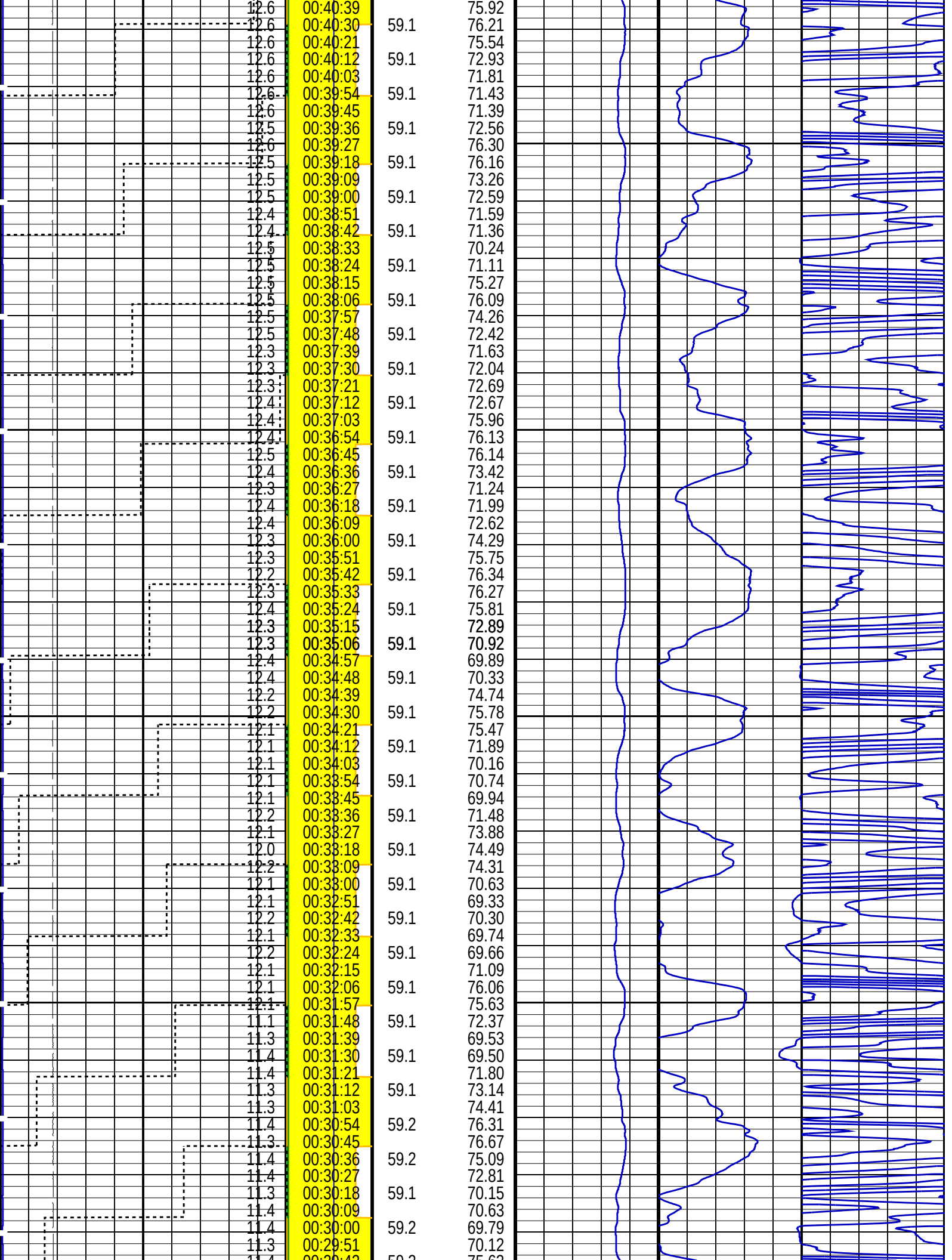


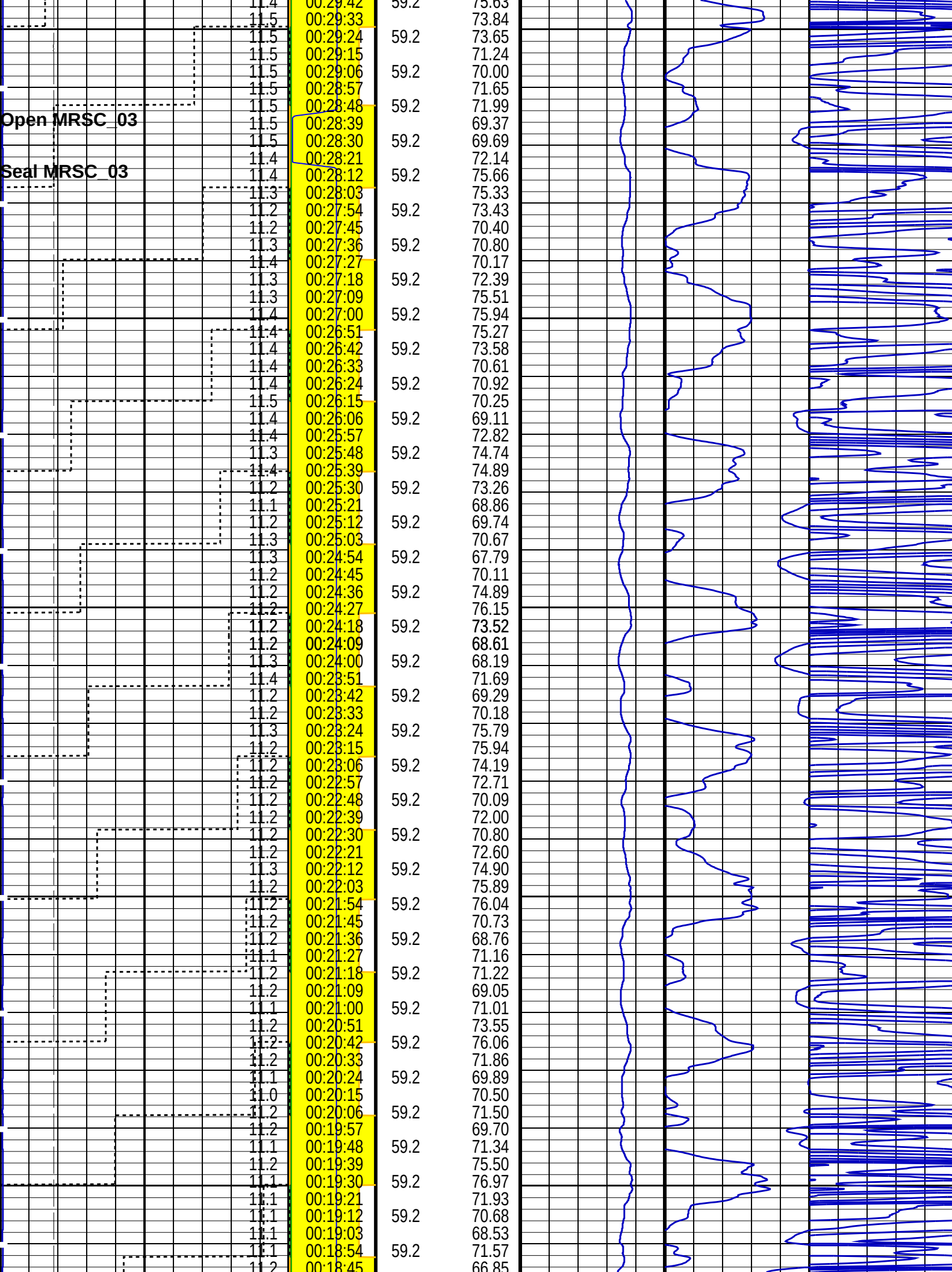


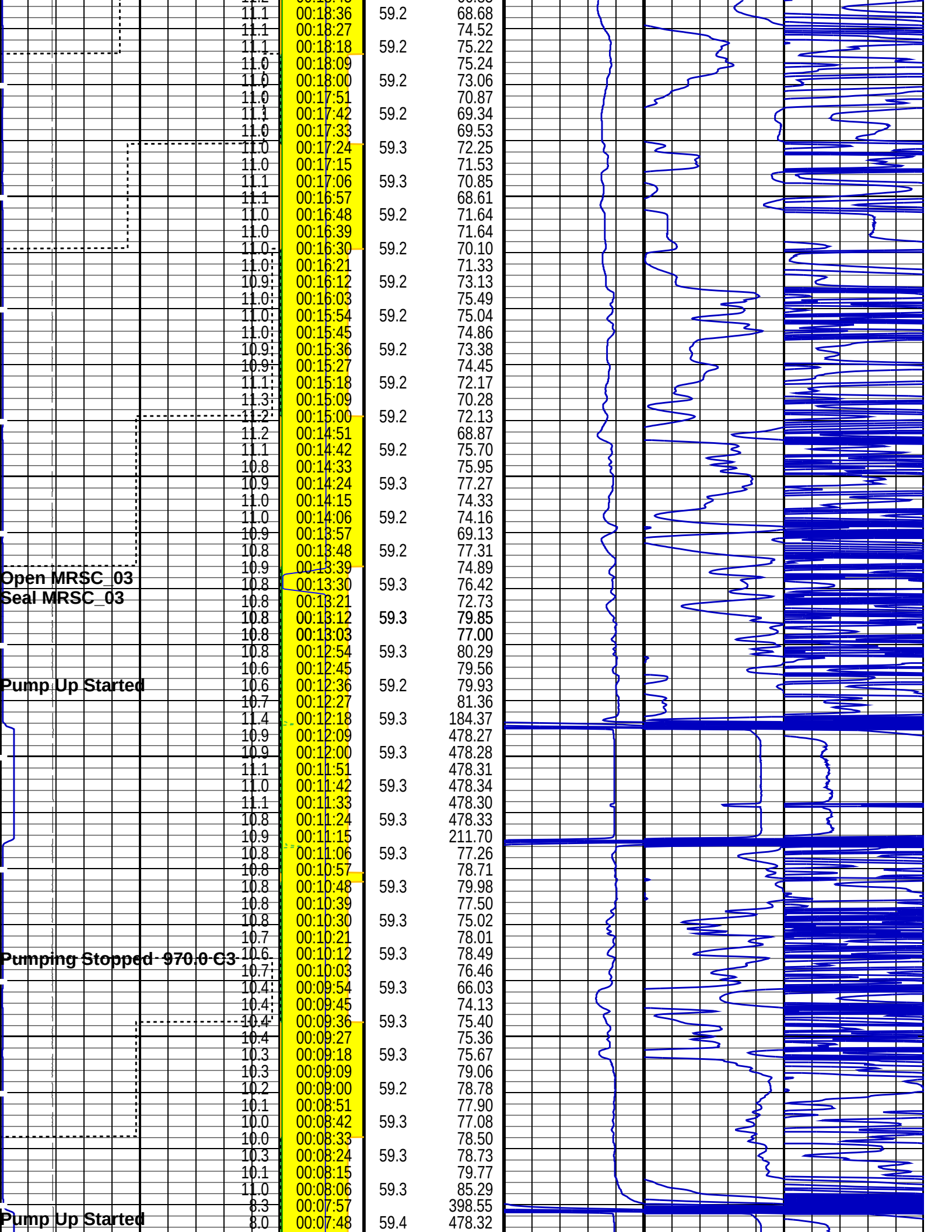












	7.9	00:07:39		59.4	478.34			
	8.0	00:07:30		59.4	478.36			
	8.0	00:07:21		59.4	478.40			
	8.0	00:07:12		59.4	478.12			
	8.0	00:07:03		59.4	478.15			
	8.0	00:06:54		59.4	478.15			
	8.0	00:06:45		59.4	478.16			
	8.0	00:06:36		59.4	478.17			
	8.0	00:06:27		59.4	478.18			
	8.0	00:06:18		59.4	478.18			
	8.0	00:06:09		59.4	478.19			
	8.0	00:06:00		59.4	478.21			
	7.9	00:05:51		59.4	478.21			
	7.9	00:05:42		59.4	478.21			
	7.9	00:05:33		59.4	478.21			
	7.9	00:05:24		59.4	478.23			
	7.9	00:05:15		59.4	478.25			
	7.9	00:05:06		59.4	478.26			
	7.9	00:04:57		59.4	478.27			
	7.8	00:04:48		59.4	478.27			
	7.8	00:04:39		59.4	478.21			
Vert Pretest 9.7 cc @ 60 C3/M	7.7	00:04:30		59.5	469.05			
	7.5	00:04:21		59.5	478.29			
	7.5	00:04:12		59.5	478.47			
	7.5	00:04:03		59.5	478.22			
	7.5	00:03:54		59.5	478.23			
	7.5	00:03:45		59.5	478.24			
	7.5	00:03:36		59.5	478.27			
	7.5	00:03:27		59.5	478.29			
	7.5	00:03:18		59.5	478.32			
	7.5	00:03:09		59.5	478.32			
Vert Pretest 10.1 cc @ 60 C3/M	7.5	00:03:00		59.6	478.15			
	7.2	00:02:51		59.6	467.85			
	7.1	00:02:42		59.6	569.92			
	7.1	00:02:33		59.6	559.95			
	7.1	00:02:24		59.6	559.42			
	7.1	00:02:15		59.6	558.78			
	7.1	00:02:06		59.7	556.82			
	7.1	00:01:57		59.7	523.35			
	6.8	00:01:48		59.7	560.00			
	6.8	00:01:39		59.8	555.54			
	6.8	00:01:30		59.8	555.54			
	6.8	00:01:21		59.8	555.56			
	6.8	00:01:12		59.8	555.56			
Probe Set @ 1194.8 FT	6.9	00:01:03		59.8	555.60			
	6.9	00:00:54		59.8	555.58			
	6.9	00:00:45		59.8	555.61			
	6.9	00:00:36		59.8	555.61			
	6.9	00:00:27		59.9	555.63			
	6.9	00:00:18		59.9	555.66			
	6.9	00:00:09		59.9	555.67			
	6.9	00:00:00		59.9	555.72			

MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 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) 100 150	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	MRSC 1 Valve Position (VDP1)				

	(BFR1) (OHMM)	(VP1) (-----) -5 250
		MRSC 2 Valve Position (VP2) (-----) -5 250
		MRSC 3 Valve Position (VP3) (-----) -5 250

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	485
MRSC_01: Sample Chamber Module (MRSC) 01		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_02: Sample Chamber Module (MRSC) 02		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_03: Sample Chamber Module (MRSC) 03		
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: 01-Sep-2011 03:12

OP System Version: 19C0-187			
MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files				
DEFAULT	MDT_096LTP	FN:147	PRODUCER	01-Sep-2011 03:12
BACKUP	MDT_096LTP	FN:148	PRODUCER	01-Sep-2011 03:12



Pressure Test
1170.0 ft

MAXIS Field Log

File 97	Depth, FT: 1169.99	Volumetric Limited draw-down – Large-Diameter probe		
31-Aug-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA:	541.65	511.00

WILDCAT

NYSTA TANDEM LOT 1

Mud Pressure after test, PSIA: 541.31

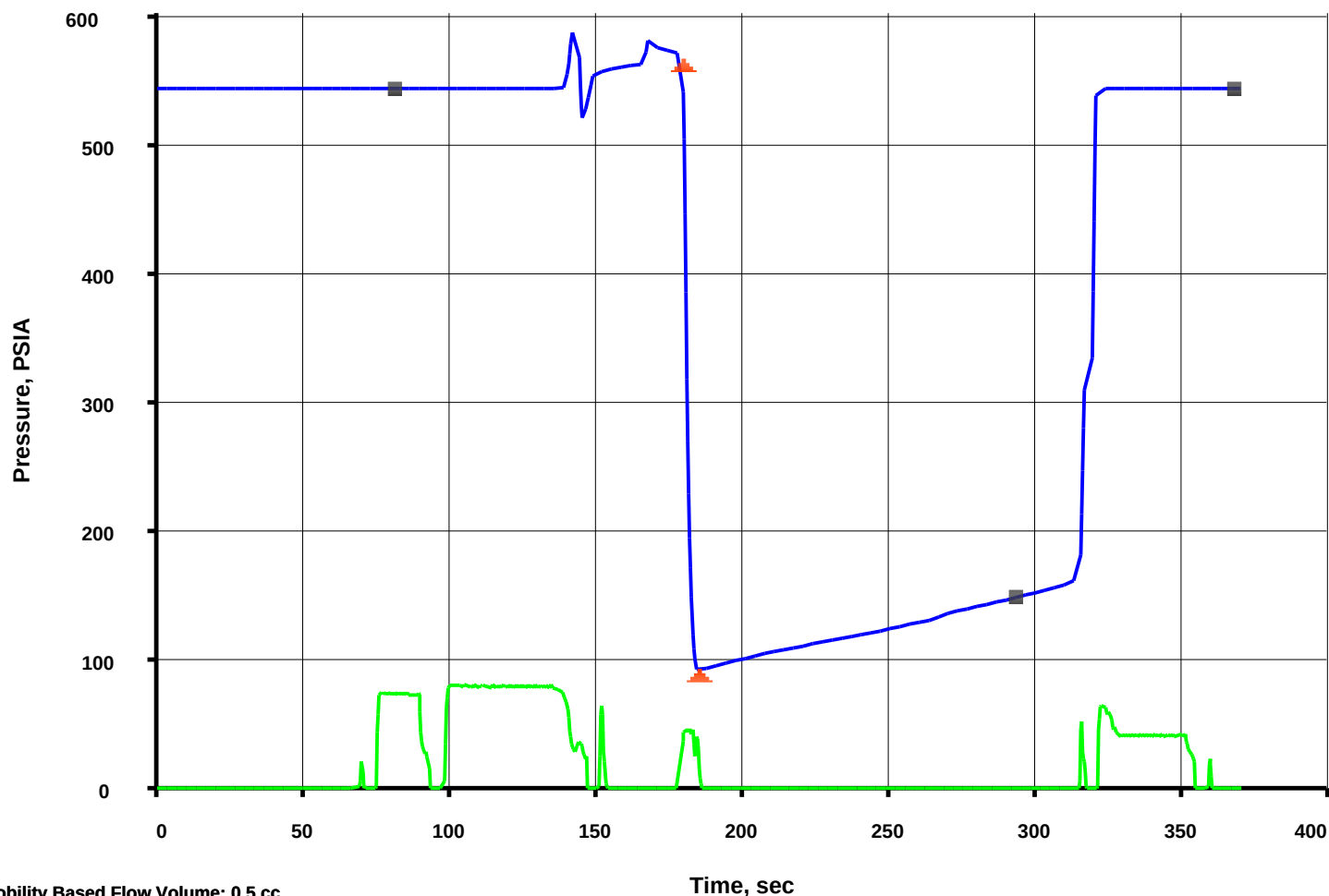
Last build-up pressure, PSIA: 148.31

Draw-down mobility, md/cp: 0.4

541.31

148.31

0.4



Mobility Based Flow Volume: 0.5 cc

Total Pretest Volume: 3.3 cc - MRPS_1- BQP1 Resolution: 0.010psi

File 97

Depth, FT: 1169.99

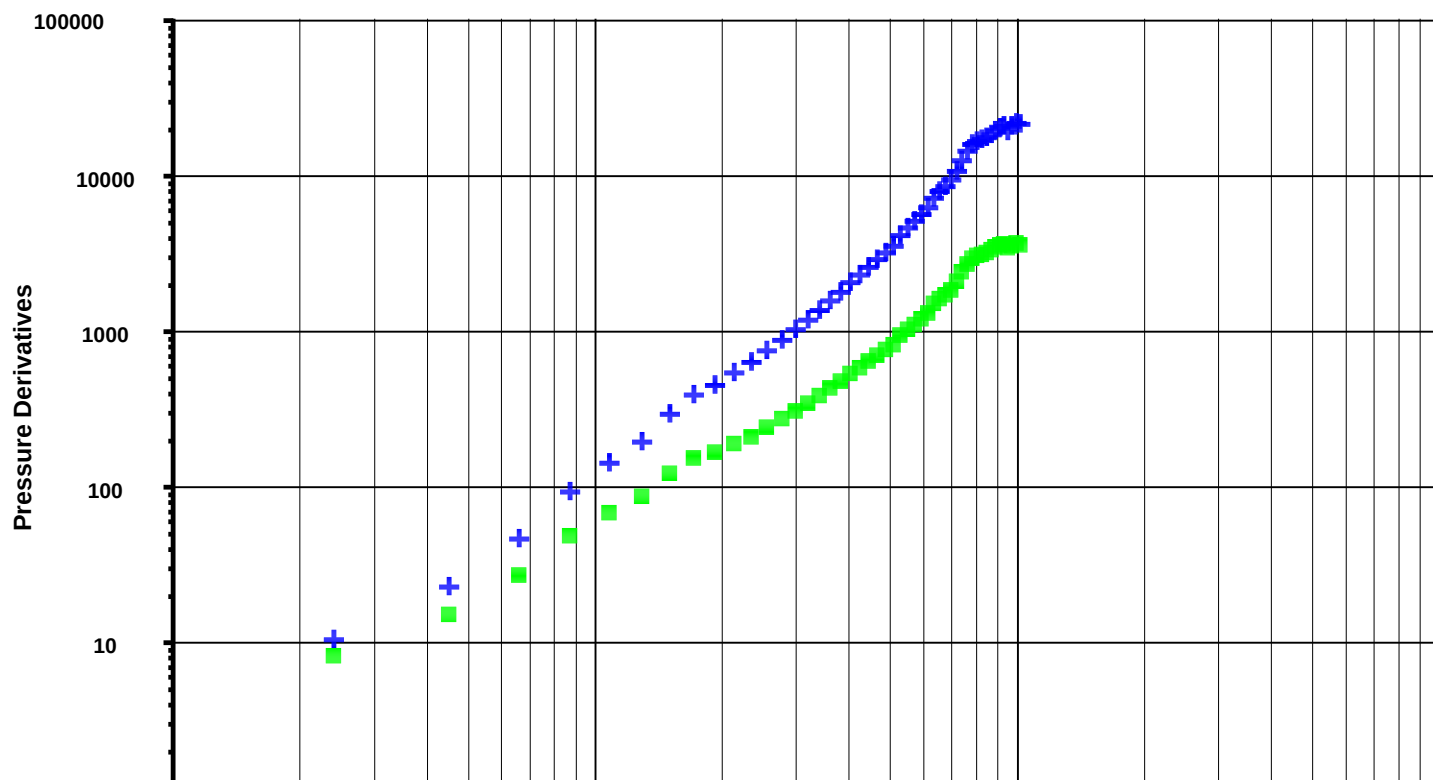
Volumetric Limited draw-down - Large-Diameter probe

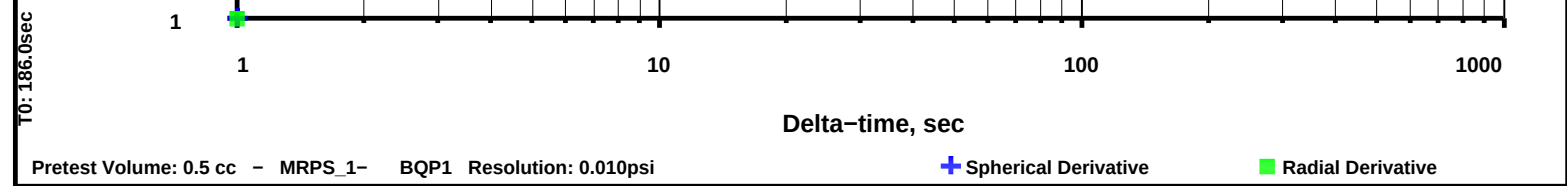
31-Aug-2011

SANDIA TECHNOLOGIES, LLC

WILDCAT

NYSTA TANDEM LOT 1





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

Output DLIS Files

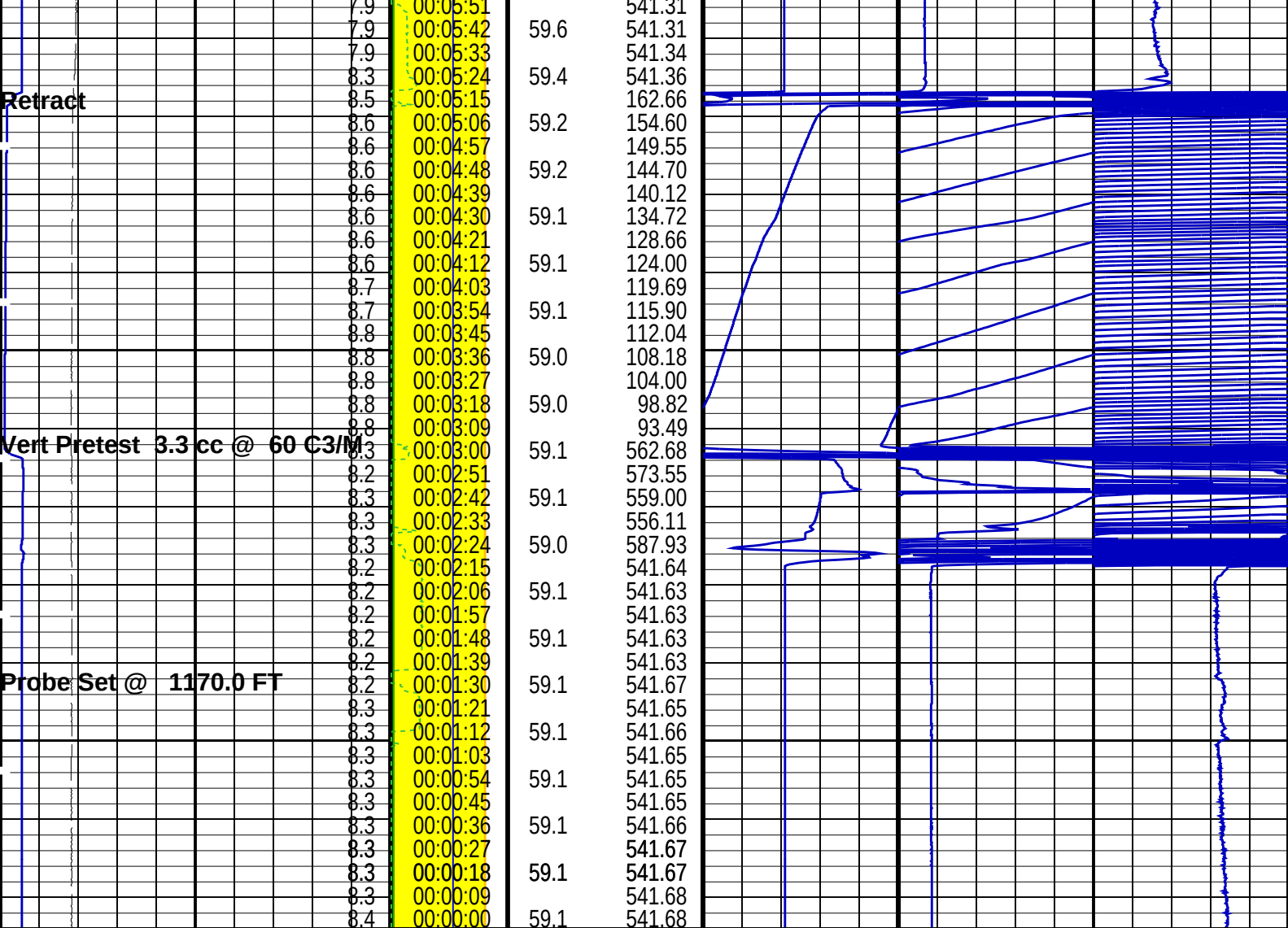
DEFAULT	MDT_097LTP	FN:149	PRODUCER	01-Sep-2011 05:36	1170.0 FT
BACKUP	MDT_097LTP	FN:150	PRODUCER	01-Sep-2011 05:36	1170.0 FT

Elapsed Time (s)	Event Summary
318.0	Retract Single Probe Module (MRPS) 1
175.5	Vert Pretest 3.3 cc @ 60 C3/M Single Probe Module (MRPS) 1
94.8	Probe Set @ 1170.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)		MRSC 3 Valve Position (VP3) (----)	Resistivity Cell Temperature (B1TR) (DEGF)			
		-5 250				
		MRSC 2 Valve Position (VP2) (----)				
		-5 250				
		MRSC 1 Valve Position (VP1) (----)				
		-5 250				
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRHY 1 Motor Speed (HMS1) (RPM)	MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)			
0 1000		0 8000				
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		MRPOUD Solenoid 3 Status (POUDS3) (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)			
100 150		5	100 150			
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 10000				0 100	0 10	0 1
7.9 00:06:18		59.6	541.30			
7.9 00:06:09			541.32			
7.9 00:06:00		59.7	541.31			
7.8 00:05:51			541.04			



MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 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) 100 150		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)		MRSC 1 Valve Position (VP1) (----) -5 250							
		MRSC 2 Valve Position (VP2) (----) -5 250							
		MRSC 3 Valve							

Position
(VP3)
(-----)
-5 250

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	485
MRSC_01: Sample Chamber Module (MRSC) 01		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_02: Sample Chamber Module (MRSC) 02		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_03: Sample Chamber Module (MRSC) 03		
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: 01-Sep-2011 05:36

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

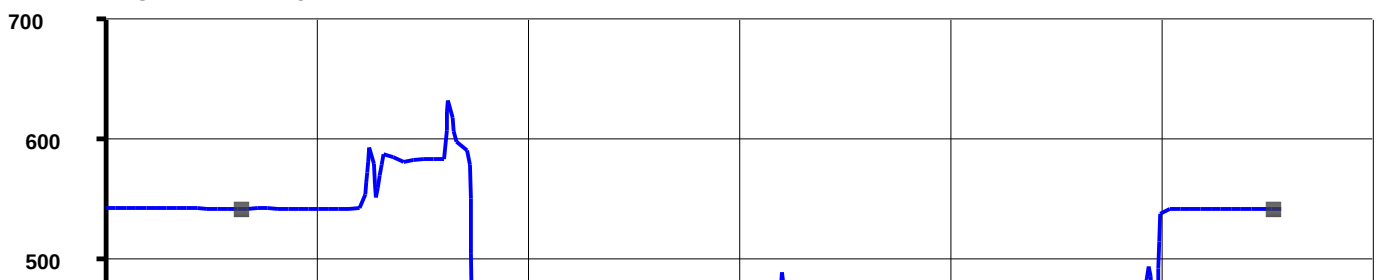
DEFAULT	MDT_097LTP	FN:149	PRODUCER	01-Sep-2011 05:36
BACKUP	MDT_097LTP	FN:150	PRODUCER	01-Sep-2011 05:36

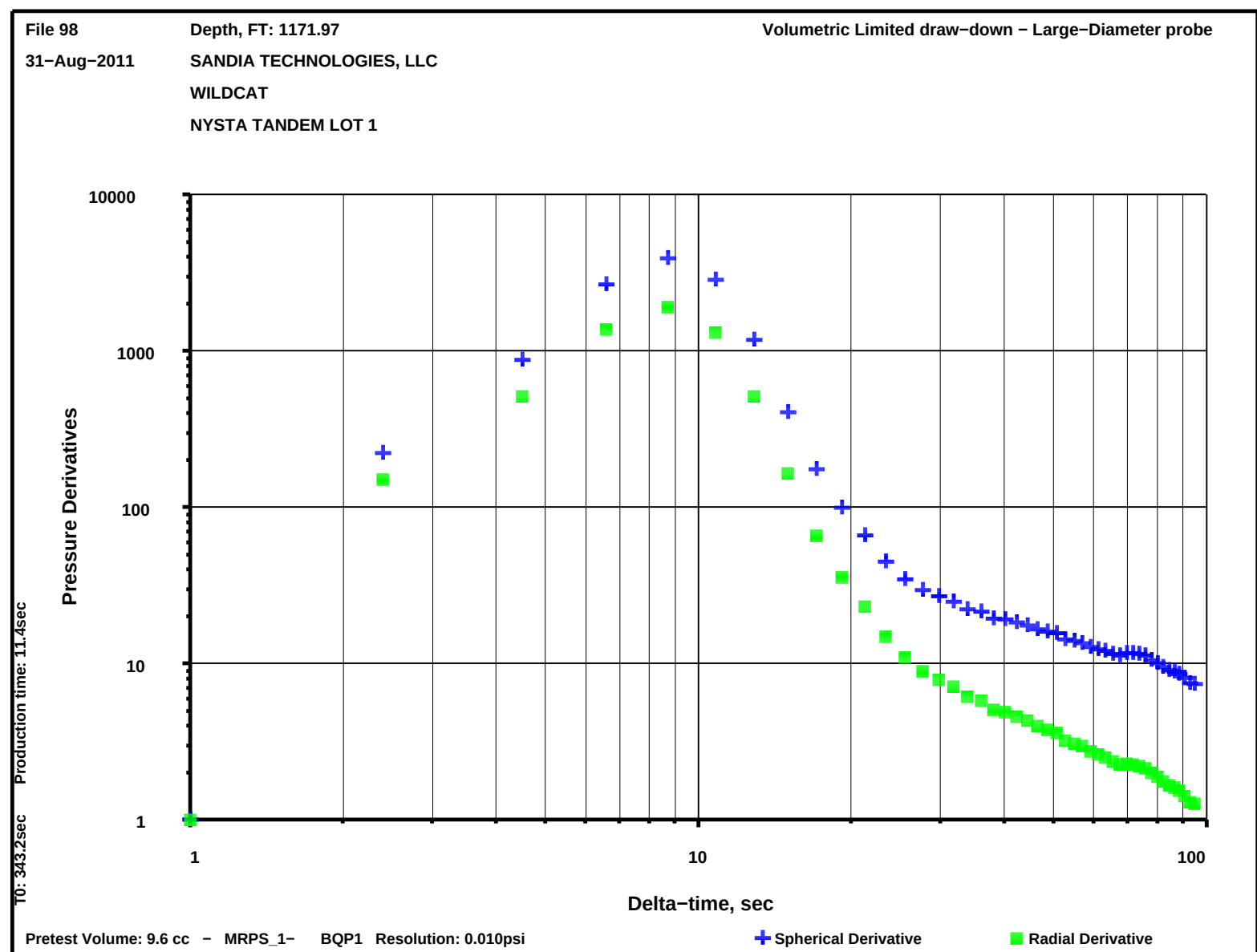
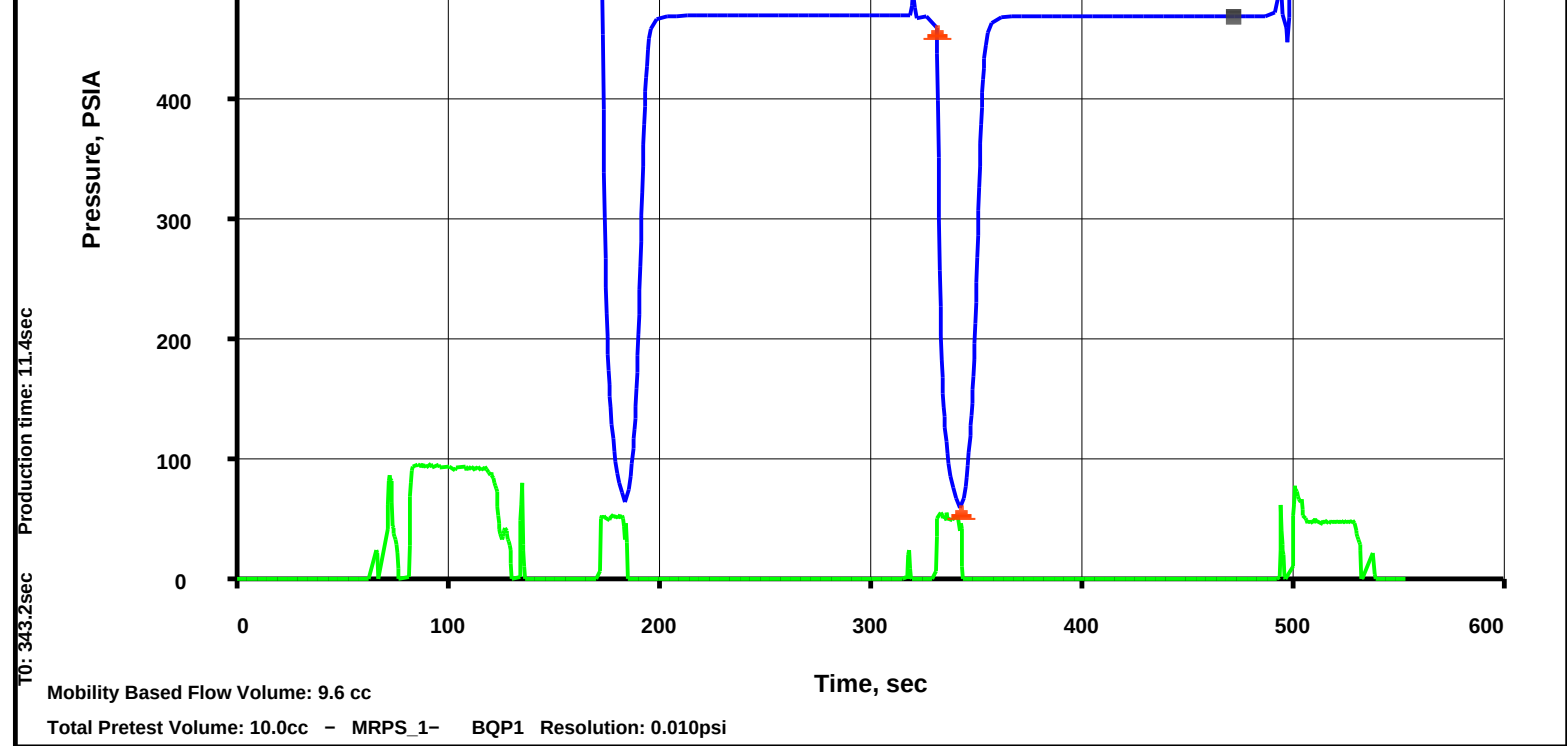
Schlumberger

Pressure Test
1172.0 ft

MAXIS Field Log

File 98	Depth, FT: 1171.97	Volumetric Limited draw-down - Large-Diameter probe
31-Aug-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA: 542.39
	WILDCAT	Mud Pressure after test, PSIA: 542.34
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA: 469.55
		Draw-down mobility, md/cp: 3.4





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

Output DLIS Files

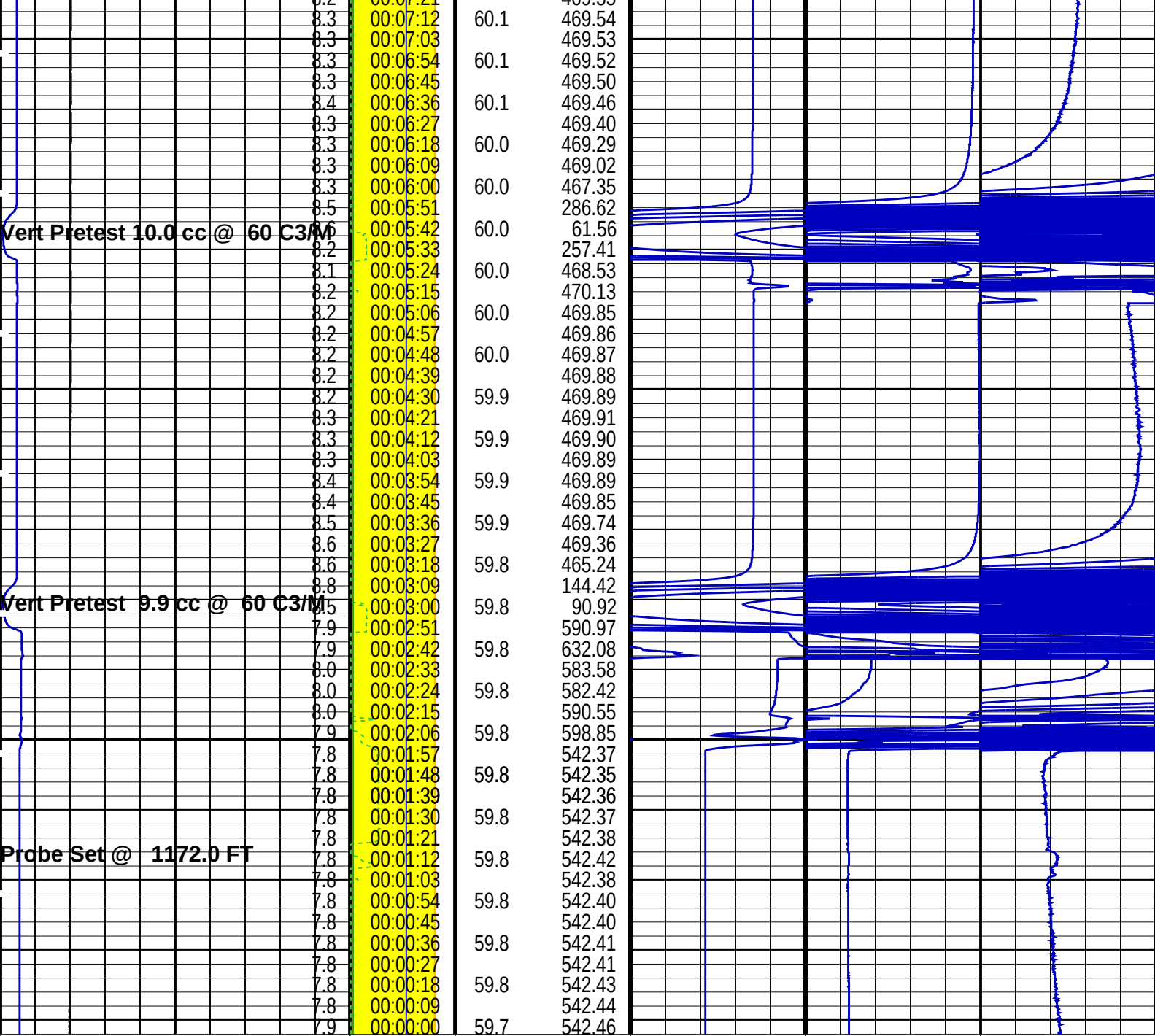
DETAILS MPT-0001.FPR EN-151-PRODUCED-01-0-2011-05-11-1172.0-FT

Elapsed Time (s)	Event Summary
496.2	Retract Single Probe Module (MRPS) 1
326.7	Vert Pretest 10.0 cc @ 60 C3/M Single Probe Module (MRPS) 1
168.3	Vert Pretest 9.9 cc @ 60 C3/M Single Probe Module (MRPS) 1
77.7	Probe Set @ 1172.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

		MRSC 3 Valve Position (VP3) (----) -5 250				
		MRSC 2 Valve Position (VP2) (----) -5 250				
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)		MRSC 1 Valve Position (VP1) (----) -5 250				
MRPOUD Hydraulic Pump Output Volume (POUDPV) 0-----1000 (C3)		MRHY 1 Motor Speed (HMS1) (RPM) 0-----8000				
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF) 100-----150		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)			
MRPS 1 Quartz Gauge Pressure (BQP1) 0-----10000 (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	
	00:09:27	60.3 542.34				
	00:09:18	60.3 542.34				
	00:09:09	60.3 542.34				
	00:09:00	60.3 542.34				
	00:08:51	60.3 542.35				
	00:08:42	60.3 542.35				
	00:08:33	60.3 542.34				
	00:08:24	60.2 542.20				
Retract	00:08:15	60.2 478.73				
	00:08:06	60.2 469.55				
	00:07:57	60.2 469.56				
	00:07:48	60.2 469.56				
	00:07:39	60.2 469.55				
	00:07:30	60.1 469.55				
	00:07:21	60.1 469.55				



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 10000				0 100	0 10	0 1	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)				
100 150							
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000					
0 1000							
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)		MRSC 1 Valve Position (VP1) (----) -5 250					

		MRSC 2 Valve Position (VP2) (-----)	
	-5	250	
		MRSC 3 Valve Position (VP3) (-----)	
	-5	250	

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	485	
MRSC_01: Sample Chamber Module (MRSC) 01			
PDCO	Probe Depth Correction Offset	0	FT
MRSC_02: Sample Chamber Module (MRSC) 02			
PDCO	Probe Depth Correction Offset	0	FT
MRSC_03: Sample Chamber Module (MRSC) 03			
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: 01-Sep-2011 05:44

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_098LTP	FN:151	PRODUCER	01-Sep-2011 05:44
BACKUP	MDT_098LTP	FN:152	PRODUCER	01-Sep-2011 05:44



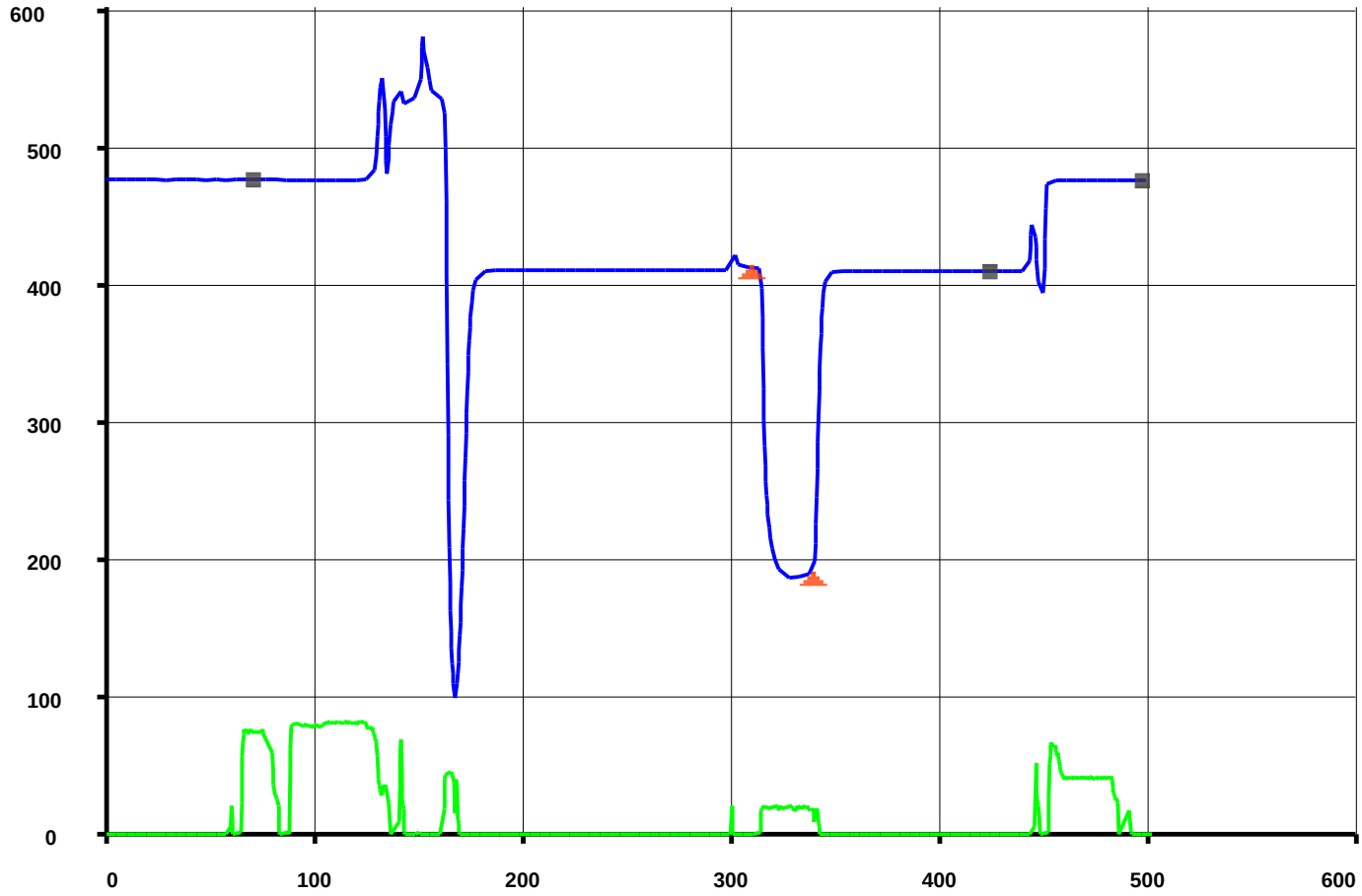
Pressure Test
1032.5 ft

MAXIS Field Log

File 99	Depth, FT: 1032.47	Volumetric Limited draw-down – Large-Diameter probe	
31-Aug-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA:	474.52
	WILDCAT	Mud Pressure after test, PSIA:	474.34
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA:	408.4
		Draw-down mobility, md/cp:	4.2

T0: 339.9sec Production time: 25.8sec

Pressure, PSIA



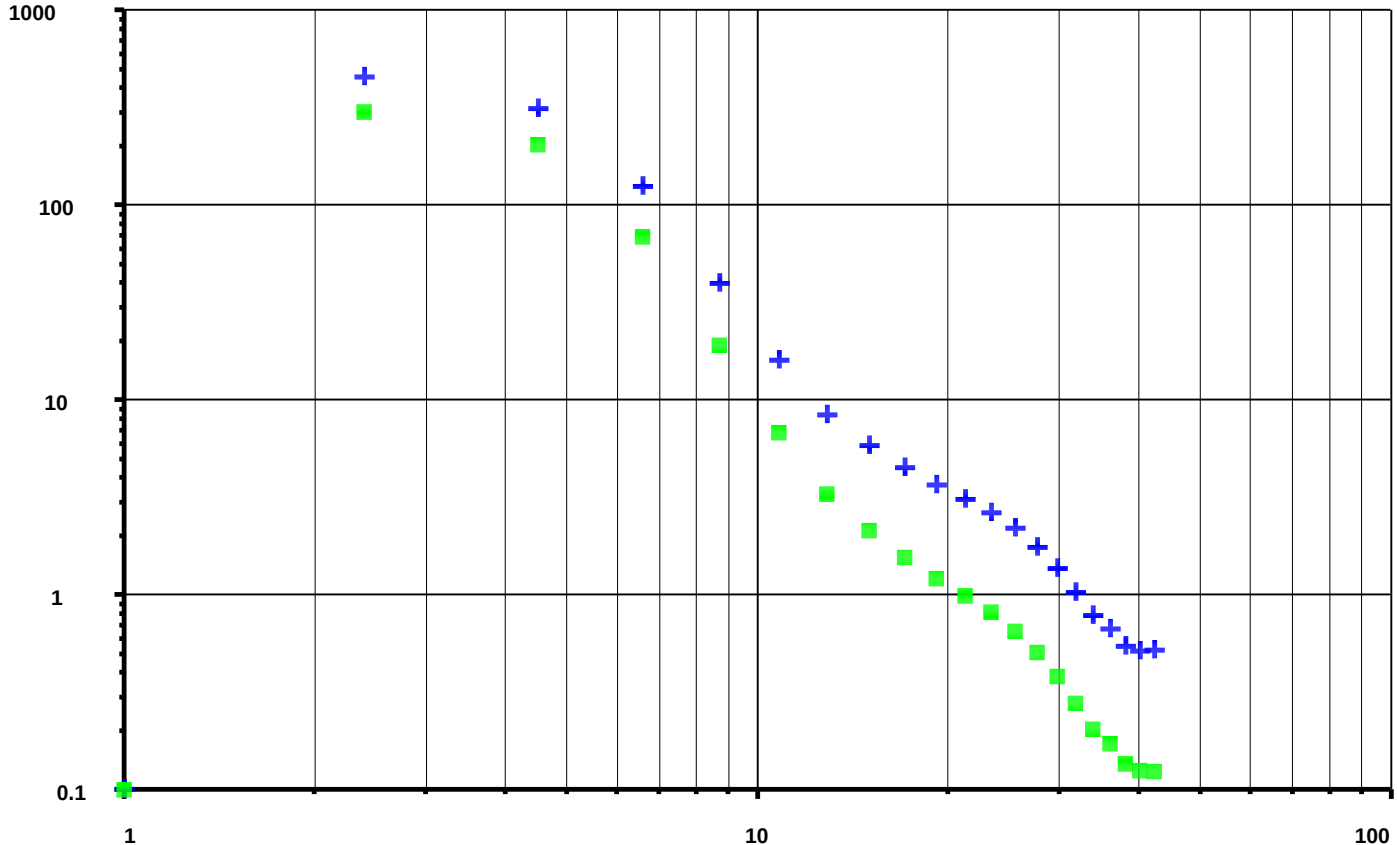
Mobility Based Flow Volume: 9.9 cc
Total Pretest Volume: 10.0cc - MRPS_1- BQP1 Resolution: 0.010psi

File 99
31-Aug-2011

Depth, FT: 1032.47
SANDIA TECHNOLOGIES, LLC
WILDCAT
NYSTA TANDEM LOT 1

Volumetric Limited draw-down - Large-Diameter probe

Pressure Derivatives



T0: 339.9sec Production time: 25.8sec

10:33

Delta-time, sec

Pretest Volume: 9.9 cc - MRPS_1- BQP1 Resolution: 0.010psi

+ Spherical Derivative

■ Radial Derivative

Company: SANDIA TECHNOLOGIES, LLC

Well: NYSTA TANDEM LOT 1

Output DLIS Files

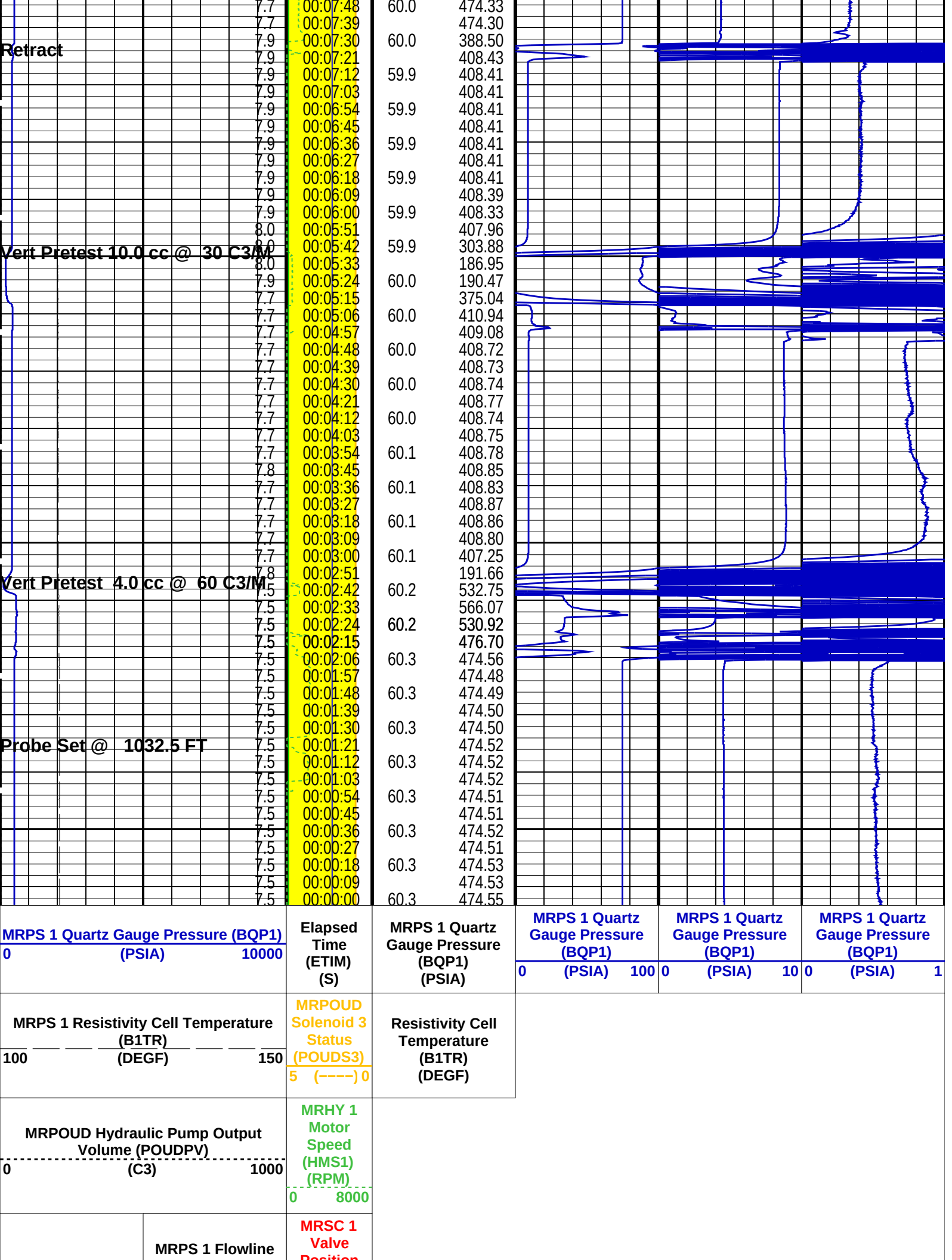
DEFAULT	MDT_099LTP	FN:153	PRODUCER	01-Sep-2011 06:00	1032.5 FT
BACKUP	MDT_099LTP	FN:154	PRODUCER	01-Sep-2011 06:00	1032.5 FT

Elapsed Time (s)	Event Summary
448.5	Retract Single Probe Module (MRPS) 1
309.9	Vert Pretest 10.0 cc @ 30 C3/M Single Probe Module (MRPS) 1
158.1	Vert Pretest 4.0 cc @ 60 C3/M Single Probe Module (MRPS) 1
84.0	Probe Set @ 1032.5 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

		MRSC 3 Valve Position (VP3) (----)				
		-5 250				
		MRSC 2 Valve Position (VP2) (----)				
		-5 250				
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)		MRSC 1 Valve Position (VP1) (----)				
		-5 250				
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)			
100 150		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)
0 10000				0 100	0 10	0 1
7.6	00:08:24	60.0	474.34			
7.6	00:08:15		474.34			
7.6	00:08:06	60.0	474.35			
7.6	00:07:57		474.34			



Fluid Resistivity (BFR1) (OHMM)	Position (VP1) (-----) -5 250
	MRSC 2 Valve Position (VP2) (-----) -5 250
	MRSC 3 Valve Position (VP3) (-----) -5 250

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	485
MRSC_01: Sample Chamber Module (MRSC) 01		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_02: Sample Chamber Module (MRSC) 02		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_03: Sample Chamber Module (MRSC) 03		
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: 01-Sep-2011 06:00

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_099LTP	FN:153	PRODUCER	01-Sep-2011 06:00
BACKUP	MDT_099LTP	FN:154	PRODUCER	01-Sep-2011 06:00



Pressure Test
1002.0 ft

MAXIS Field Log

31-Aug-2011

SANDIA TECHNOLOGIES, LLC

Mud Pressure before test, PSIA:

459.57

WILDCAT

Mud Pressure after test, PSIA:

459.34

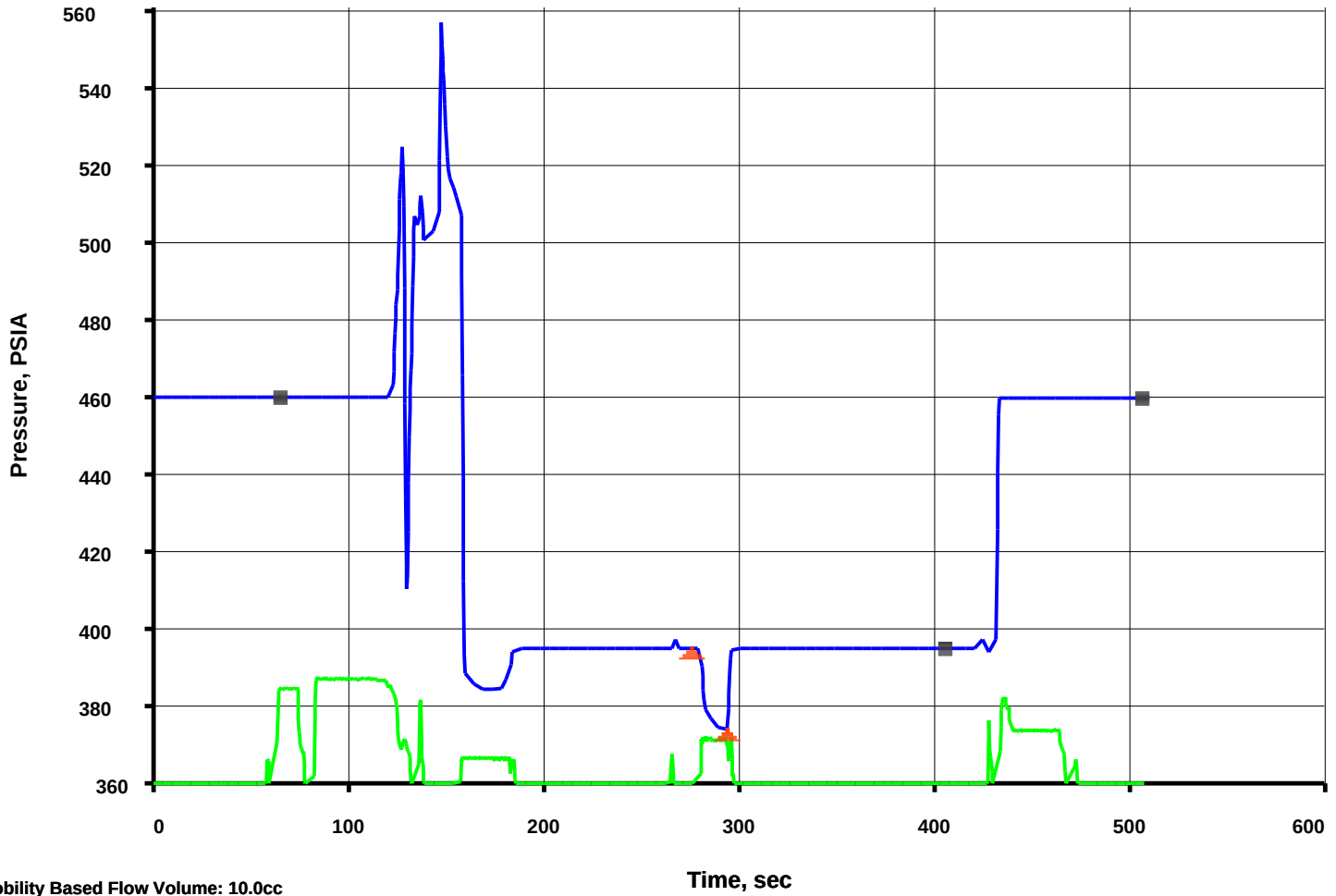
NYSTA TANDEM LOT 1

Last build-up pressure, PSIA:

394.88

Draw-down mobility, md/cp:

92.6



File 100

Depth, FT: 1001.95

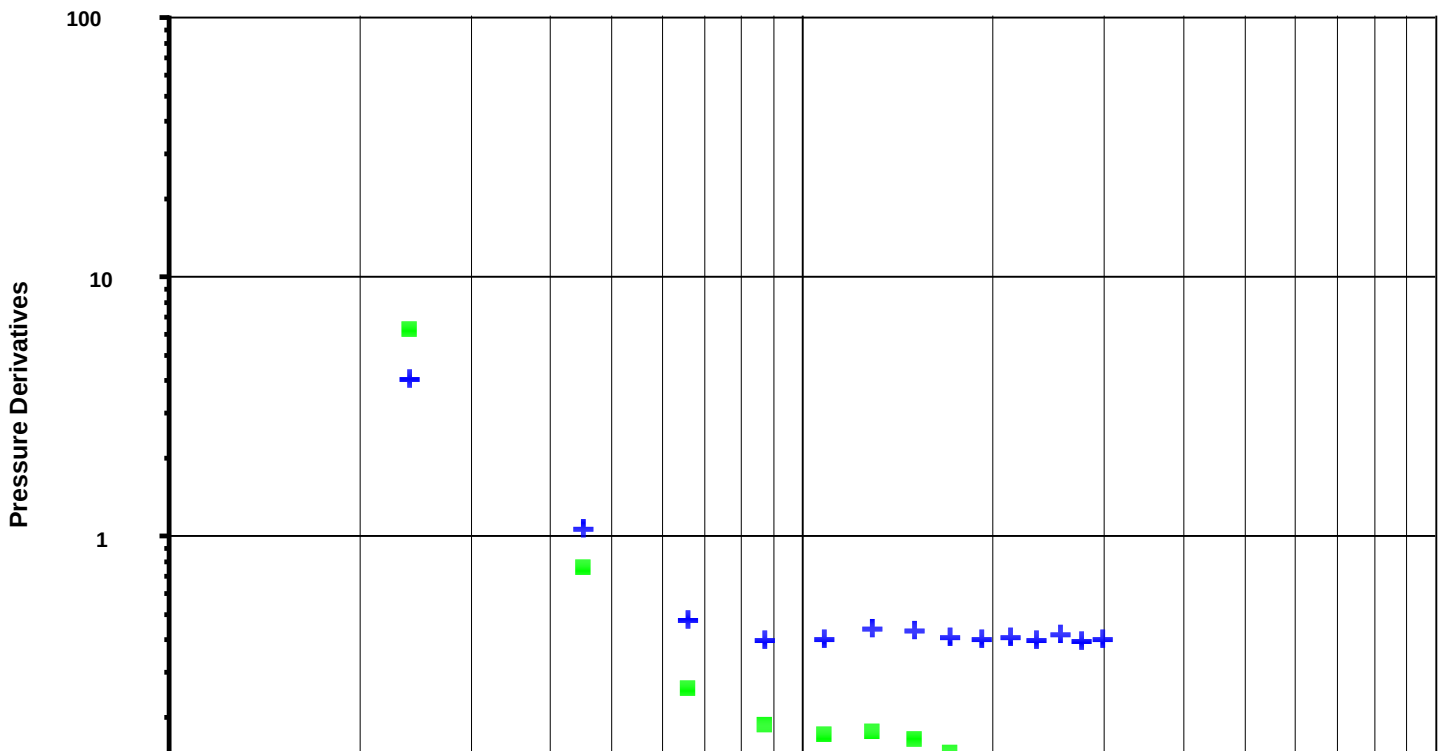
Volumetric Limited draw-down - Large-Diameter probe

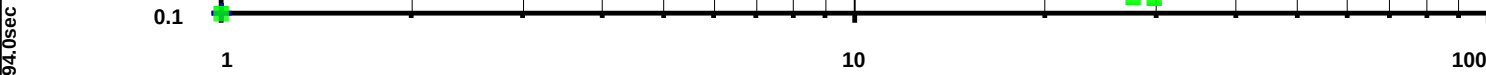
31-Aug-2011

SANDIA TECHNOLOGIES, LLC

WILDCAT

NYSTA TANDEM LOT 1





Pretest Volume: 10.0cc - MRPS_1- BQP1 Resolution: 0.010psi + Spherical Derivative ■ Radial Derivative

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

Output DLIS Files

DEFAULT	MDT_100LTP	FN:155	PRODUCER	01-Sep-2011 06:12	1001.9 FT
BACKUP	MDT_100LTP	FN:156	PRODUCER	01-Sep-2011 06:12	1001.9 FT

Elapsed Time (s)	Event Summary
429.9	Retract Single Probe Module (MRPS) 1
276.0	Vert Pretest 10.0 cc @ 45 C3/M Single Probe Module (MRPS) 1
153.3	Vert Pretest 10.0 cc @ 30 C3/M Single Probe Module (MRPS) 1
78.6	Probe Set @ 1002.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

[illegible]

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	10000			0	100	0
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)			MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)		
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)			MRHY 1 Motor Speed (HMS1) (RPM)			

		0 8000
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	MRSC 1 Valve Position (VP1) (-----) -5 250
		MRSC 2 Valve Position (VP2) (-----) -5 250
		MRSC 3 Valve Position (VP3) (-----) -5 250

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	485
MRSC_01: Sample Chamber Module (MRSC) 01		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_02: Sample Chamber Module (MRSC) 02		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_03: Sample Chamber Module (MRSC) 03		
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: 01-Sep-2011 06:12

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_100LTP	FN:155	PRODUCER	01-Sep-2011 06:12
BACKUP	MDT_100LTP	FN:156	PRODUCER	01-Sep-2011 06:12

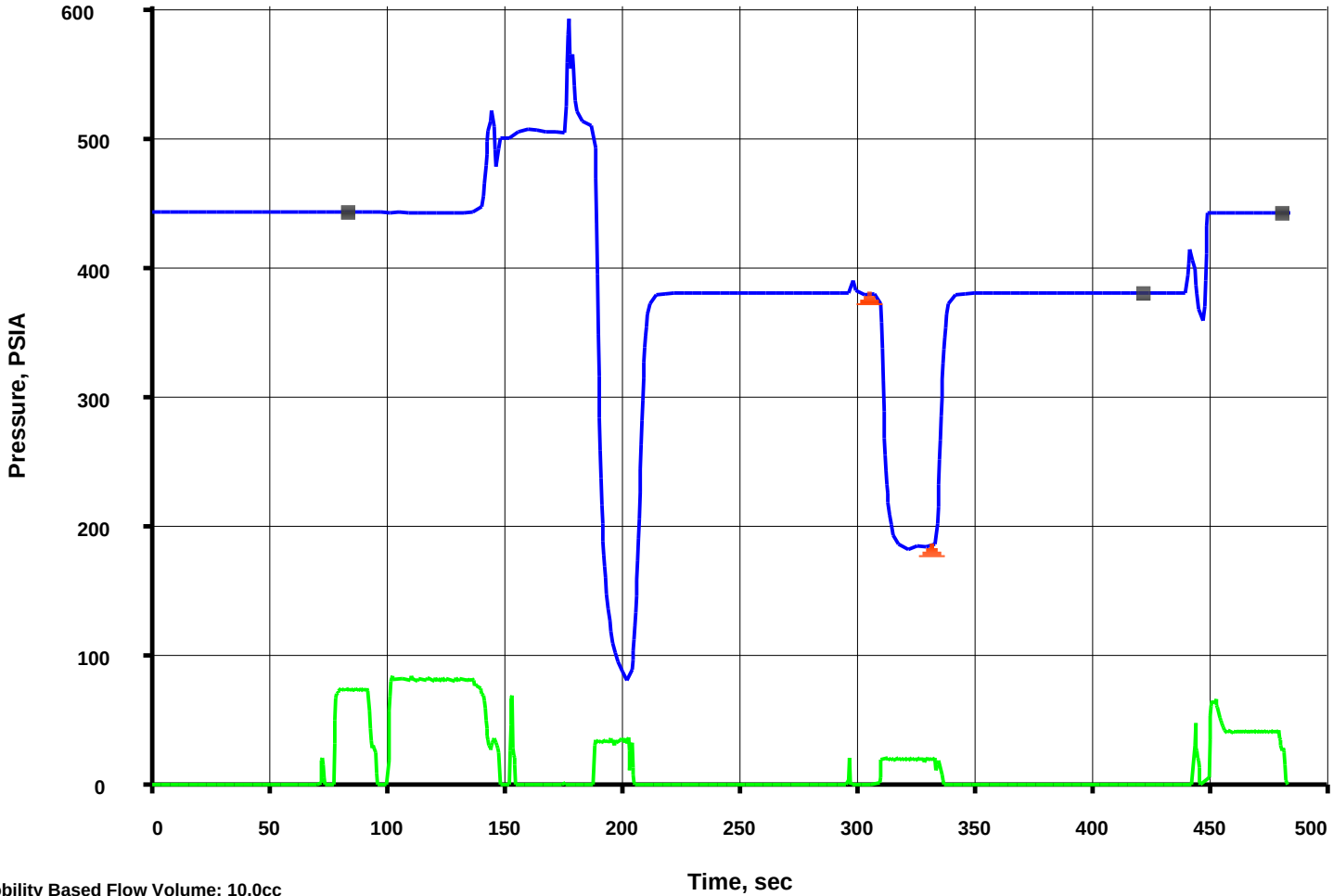
Schlumberger

Pressure Test
964.0 ft

File 101
31-Aug-2011

Depth, FT: 963.98
SANDIA TECHNOLOGIES, LLC
WILDCAT
NYSTA TANDEM LOT 1

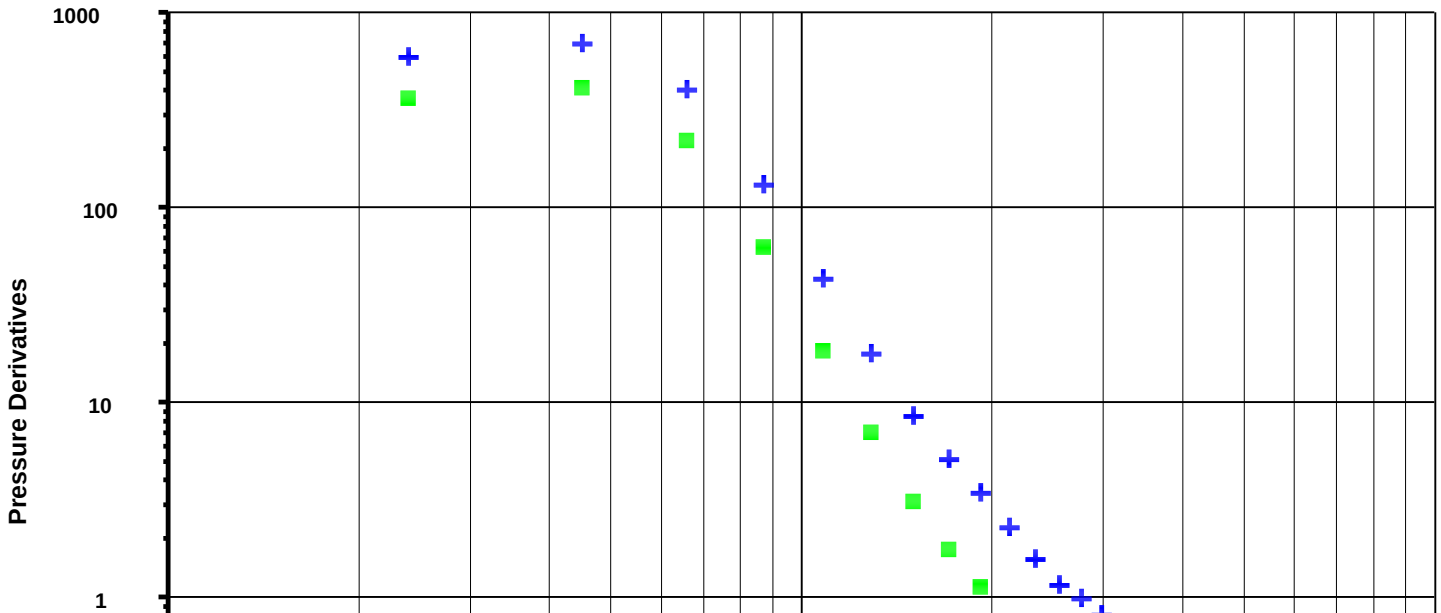
Volumetric Limited draw-down - Large-Diameter probe
Mud Pressure before test, PSIA: 440.93
Mud Pressure after test, PSIA: 440.78
Last build-up pressure, PSIA: 378.66
Draw-down mobility, md/cp: 5.1

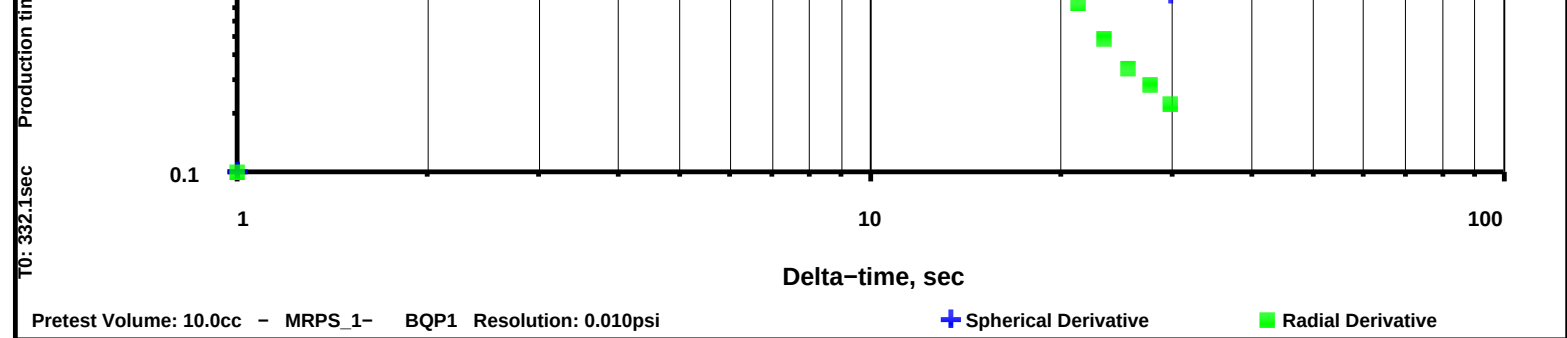


File 101
31-Aug-2011

Depth, FT: 963.98
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_101LTP	FN:157	PRODUCER	01-Sep-2011 06:24	964.0 FT
BACKUP	MDT_101LTP	FN:158	PRODUCER	01-Sep-2011 06:25	964.0 FT

Elapsed Time (s)	Event Summary
446.1	Retract Single Probe Module (MRPS) 1
305.4	Vert Pretest 10.0 cc @ 30 C3/M Single Probe Module (MRPS) 1
183.6	Vert Pretest 9.8 cc @ 45 C3/M Single Probe Module (MRPS) 1
96.6	Probe Set @ 964.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S					
		MRSC 3 Valve Position (VP3) (----)			
		-5 250			
		MRSC 2 Valve Position (VP2) (----)			
		-5 250			
		MRSC 1 Valve Position (VP1) (----)			
		-5 250			
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	Resistivity Cell Temperature (B1TR) (DEGF)		
100 150		5 (----) 0			
MRPS 1 Quartz Gauge Pressure (BQP1)		Elapsed	MRPS 1 Quartz	MRPS 1 Quartz	MRPS 1 Quartz

MRPS 1 Quartz Gauge Pressure (BQP1)				Time (ETIM) (S)	Gauge Pressure (BQP1) (PSIA)		Gauge Pressure (BQP1) (PSIA)		Gauge Pressure (BQP1) (PSIA)		Gauge Pressure (BQP1) (PSIA)	
0 (PSIA) 10000							0 100		0 10		0 1	
				7.4 00:08:10								
				7.4 00:08:06	59.4	440.77						
				7.4 00:07:57		440.76						
				7.4 00:07:48	59.4	440.77						
				7.4 00:07:39		440.77						
				7.8 00:07:30	59.4	440.65						
Retract				7.7 00:07:21		401.69						
				7.8 00:07:12	59.4	378.66						
				7.8 00:07:03		378.67						
				7.8 00:06:54	59.4	378.67						
				7.8 00:06:45		378.67						
				7.8 00:06:36	59.4	378.67						
				7.8 00:06:27		378.67						
				7.8 00:06:18	59.4	378.67						
				7.8 00:06:09		378.66						
				7.7 00:06:00	59.3	378.66						
				7.7 00:05:51		378.60						
				7.7 00:05:42	59.4	377.43						
Vert Pretest 10.0 cc @ 30 C3/M				7.8 00:05:33		185.04						
				7.8 00:05:24	59.4	183.24						
				7.5 00:05:15		194.50						
				7.5 00:05:06	59.4	378.09						
				7.6 00:04:57		378.85						
				7.6 00:04:48	59.4	378.80						
				7.6 00:04:39		378.82						
				7.6 00:04:30	59.4	378.81						
				7.6 00:04:21		378.82						
				7.6 00:04:12	59.4	378.84						
				7.6 00:04:03		378.84						
				7.7 00:03:54	59.4	378.82						
				7.7 00:03:45		378.75						
				7.7 00:03:36	59.4	377.94						
Vert Pretest 9.8 cc @ 45 C3/M				7.7 00:03:27		189.54						
				7.7 00:03:18	59.4	96.22						
				7.3 00:03:09		467.35						
				7.3 00:03:00	59.5	527.22						
				7.3 00:02:51		502.92						
				7.3 00:02:42	59.5	504.54						
				7.3 00:02:33		493.79						
				7.2 00:02:24	59.5	509.74						
				7.3 00:02:15		440.92						
				7.3 00:02:06	59.6	440.91						
				7.3 00:01:57		440.91						
				7.3 00:01:48	59.6	440.91						
Probe Set @ 964.0 FT				7.3 00:01:39		440.91						
				7.3 00:01:30	59.6	440.92						
				7.3 00:01:21		440.94						
				7.3 00:01:12	59.6	440.92						
				7.3 00:01:03		440.93						
				7.3 00:00:54	59.6	440.93						
				7.3 00:00:45		440.93						
				7.3 00:00:36	59.6	440.94						
				7.3 00:00:27		440.95						
				7.3 00:00:18	59.6	440.97						
				7.3 00:00:09		440.96						
				7.3 00:00:00	59.6	440.98						
MRPS 1 Quartz Gauge Pressure (BQP1)				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) 10000							0 100		0 10		0 1	
MRPS 1 Resistivity Cell Temperature (B1TR)				MRPOUD Solenoid 3 Status (POUDS3)	Resistivity Cell Temperature (B1TR)							
100 (DEGF) 150				5 (----) 0	(DEGF)							
MRPOUD Hydraulic Pump Output Volume (POUDPV)				MRHY 1 Motor Speed								

0	(C3)	1000	(HMS1) (RPM)
		0	8000
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	MRSC 1 Valve Position (VP1) (-----)	
		-5	250
		MRSC 2 Valve Position (VP2) (-----)	
		-5	250
		MRSC 3 Valve Position (VP3) (-----)	
		-5	250

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	485
MRSC_01: Sample Chamber Module (MRSC) 01		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_02: Sample Chamber Module (MRSC) 02		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_03: Sample Chamber Module (MRSC) 03		
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: 01-Sep-2011 06:24

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_101LTP	FN:157	PRODUCER	01-Sep-2011 06:24
BACKUP	MDT_101LTP	FN:158	PRODUCER	01-Sep-2011 06:25

Schlumberger

Pressure Test
869.0 ft

File 102

Depth, FT: 869.00

Volumetric Limited draw-down - Large-Diameter probe

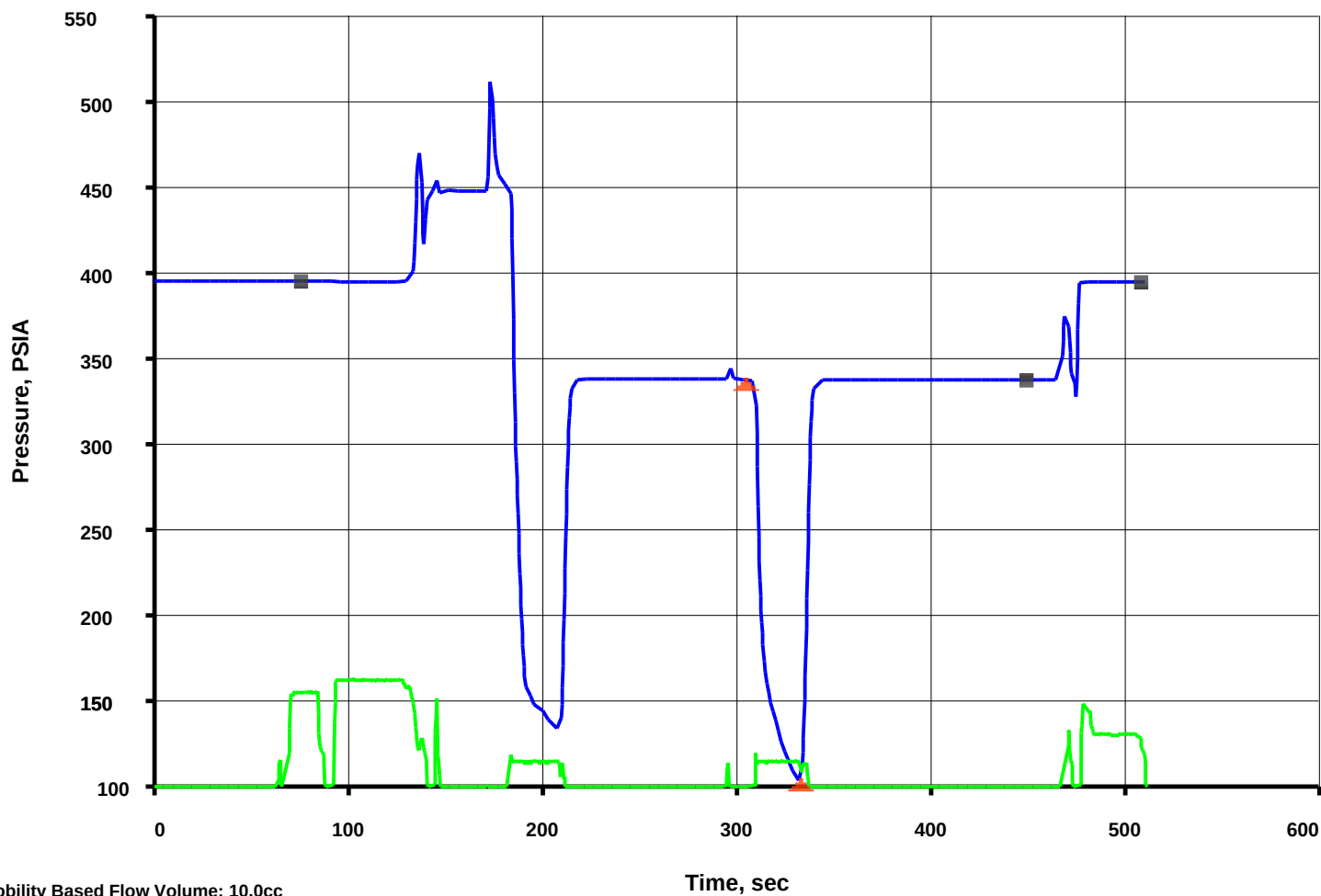
31-Aug-2011

SANDIA TECHNOLOGIES, LLC

Mud Pressure before test, PSIA: 394.7
Mud Pressure after test, PSIA: 394.48
Last build-up pressure, PSIA: 337.54
Draw-down mobility, md/cp: 4.6

WILDCAT

NYSTA TANDEM LOT 1



File 102

Depth, FT: 869.00

Volumetric Limited draw-down - Large-Diameter probe

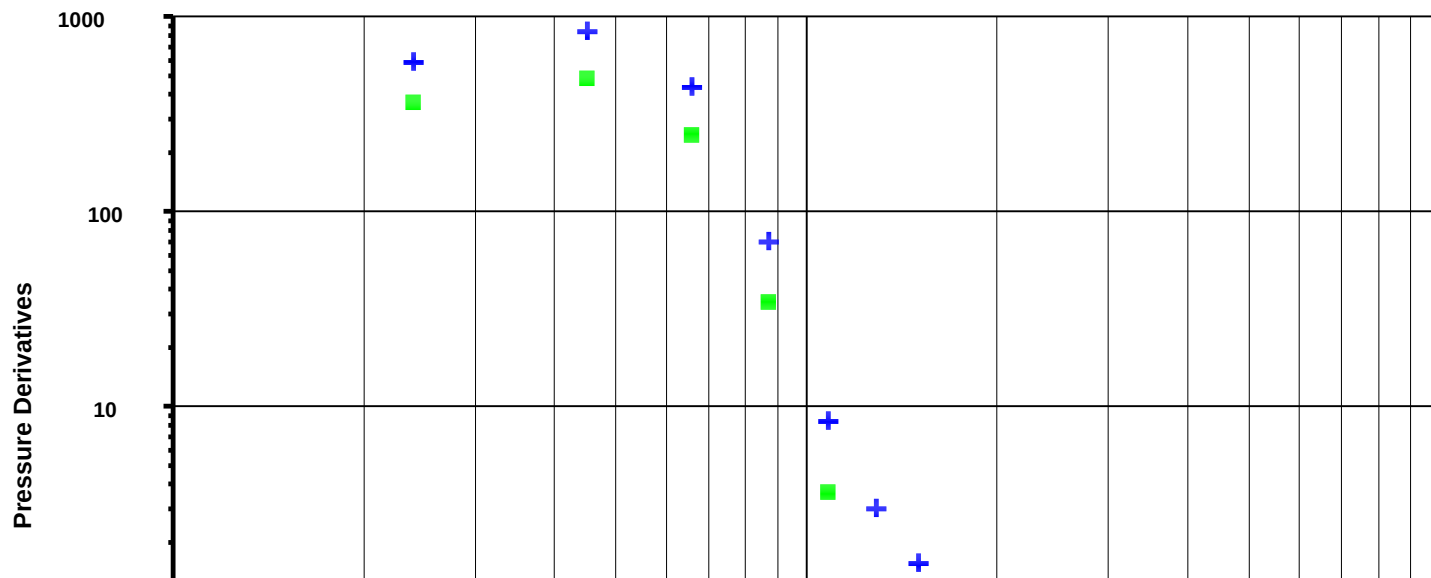
31-Aug-2011

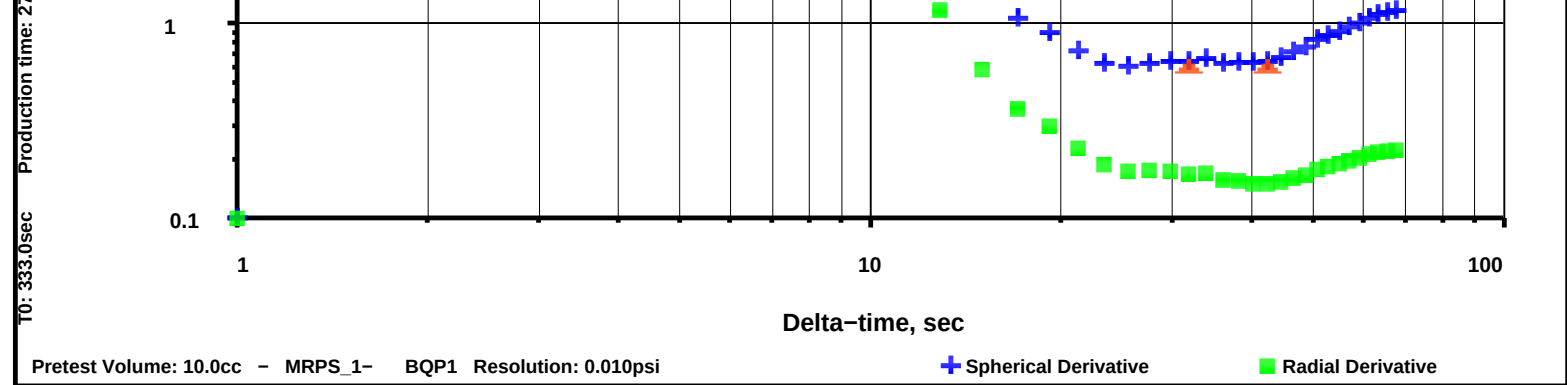
SANDIA TECHNOLOGIES, LLC

From picks on Spherical derivative:
Slope on Spherical: -0.052
Slope on Radial: -0.476

WILDCAT

NYSTA TANDEM LOT 1





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

Output DLIS Files

DEFAULT	MDT_102LTP	FN:159	PRODUCER	01-Sep-2011 06:37	869.0 FT
BACKUP	MDT_102LTP	FN:160	PRODUCER	01-Sep-2011 06:37	869.0 FT

Elapsed Time (s)	Event Summary
473.4	Retract Single Probe Module (MRPS) 1
305.1	Vert Pretest 10.0 cc @ 30 C3/M Single Probe Module (MRPS) 1
179.4	Vert Pretest 10.0 cc @ 30 C3/M Single Probe Module (MRPS) 1
88.8	Probe Set @ 869.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	MRSC 3 Valve Position (VP3) (----)	
		-5 250	
		MRSC 2 Valve Position (VP2) (----)	
	MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)	-5 250	
		0 8000	
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)	MRPOUD Solenoid 3 Status (POUDS3) (----) 0	MRSC 1 Valve Position (VP1) (----)	Resistivity Cell Temperature (B1TR) (DEGF)
		-5 250	

MRPS 1 Quartz Gauge Pressure (BQP1)				Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1)		MRPS 1 Quartz Gauge Pressure (BQP1)			MRPS 1 Quartz Gauge Pressure (BQP1)		
0 (PSIA) 10000							0 (PSIA) 100			0 (PSIA) 10		
Retract Vert Pretest 10.0 cc @ 30 C3/M Vert Pretest 10.0 cc @ 30 C3/M Probe Set @ 869.0 FT				00:08:42	59.1	394.48						
				00:08:33		394.48						
				00:08:24	59.1	394.48						
				00:08:15		394.47						
				00:08:06	59.1	394.47						
				00:07:57		394.42						
				00:07:48	59.1	351.07						
				00:07:39		337.55						
				00:07:30	59.1	337.54						
				00:07:21		337.56						
				00:07:12	59.1	337.54						
				00:07:03		337.55						
				00:06:54	59.1	337.54						
				00:06:45		337.54						
				00:06:36	59.1	337.54						
				00:06:27		337.53						
				00:06:18	59.1	337.53						
				00:06:09		337.52						
				00:06:00	59.1	337.51						
				00:05:51		337.49						
				00:05:42	59.1	337.14						
				00:05:33		104.19						
				00:05:24	59.1	122.72						
				00:05:15		164.34						
				00:05:06	59.2	337.41						
				00:04:57		343.96						
				00:04:48	59.1	337.62						
				00:04:39		337.62						
				00:04:30	59.1	337.63						
				00:04:21		337.63						
				00:04:12	59.2	337.63						
				00:04:03		337.64						
				00:03:54	59.2	337.64						
				00:03:45		337.63						
				00:03:36	59.2	336.02						
				00:03:27		134.69						
				00:03:18	59.2	145.00						
				00:03:09		206.02						
				00:03:00	59.3	452.87						
				00:02:51		447.24						
				00:02:42	59.3	447.45						
				00:02:33		447.61						
				00:02:24	59.3	447.91						
				00:02:15		442.84						
				00:02:06	59.4	394.67						
				00:01:57		394.68						
				00:01:48	59.4	394.68						
				00:01:39		394.67						
				00:01:30	59.4	394.67						
				00:01:21		394.70						
				00:01:12	59.4	394.71						
				00:01:03		394.69						
				00:00:54	59.4	394.70						
				00:00:45		394.69						
				00:00:36	59.4	394.71						
				00:00:27		394.72						
				00:00:18	59.4	394.72						
				00:00:09		394.73						
				00:00:00	59.4	394.74						
MRPS 1 Quartz Gauge Pressure (BQP1)				Elapsed Time (ETIM) (S)	MRPS 1 Quartz Gauge Pressure (BQP1)		MRPS 1 Quartz Gauge Pressure (BQP1)			MRPS 1 Quartz Gauge Pressure (BQP1)		
0 (PSIA) 10000							0 (PSIA) 100			0 (PSIA) 10		
MRPS 1 Resistivity Cell Temperature (B1TR)				MRPOUD Solenoid 3 Status (POUDS3)	Resistivity Cell Temperature (B1TR)							
100 (DEGF) 150				5 (DEGF) 0	5 (DEGF) 0							

MRPOUD Hydraulic Pump Output Volume (POUDPV) 0-----1000 (C3)		MRHY 1 Motor Speed (HMS1) (RPM) 0-----8000
	MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	MRSC 1 Valve Position (VP1) (-----) -5-----250
		MRSC 2 Valve Position (VP2) (-----) -5-----250
		MRSC 3 Valve Position (VP3) (-----) -5-----250

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	485	
MRSC_01: Sample Chamber Module (MRSC) 01			
PDCO	Probe Depth Correction Offset	0	FT
MRSC_02: Sample Chamber Module (MRSC) 02			
PDCO	Probe Depth Correction Offset	0	FT
MRSC_03: Sample Chamber Module (MRSC) 03			
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: 01-Sep-2011 06:37

OP System Version: 19C0-187

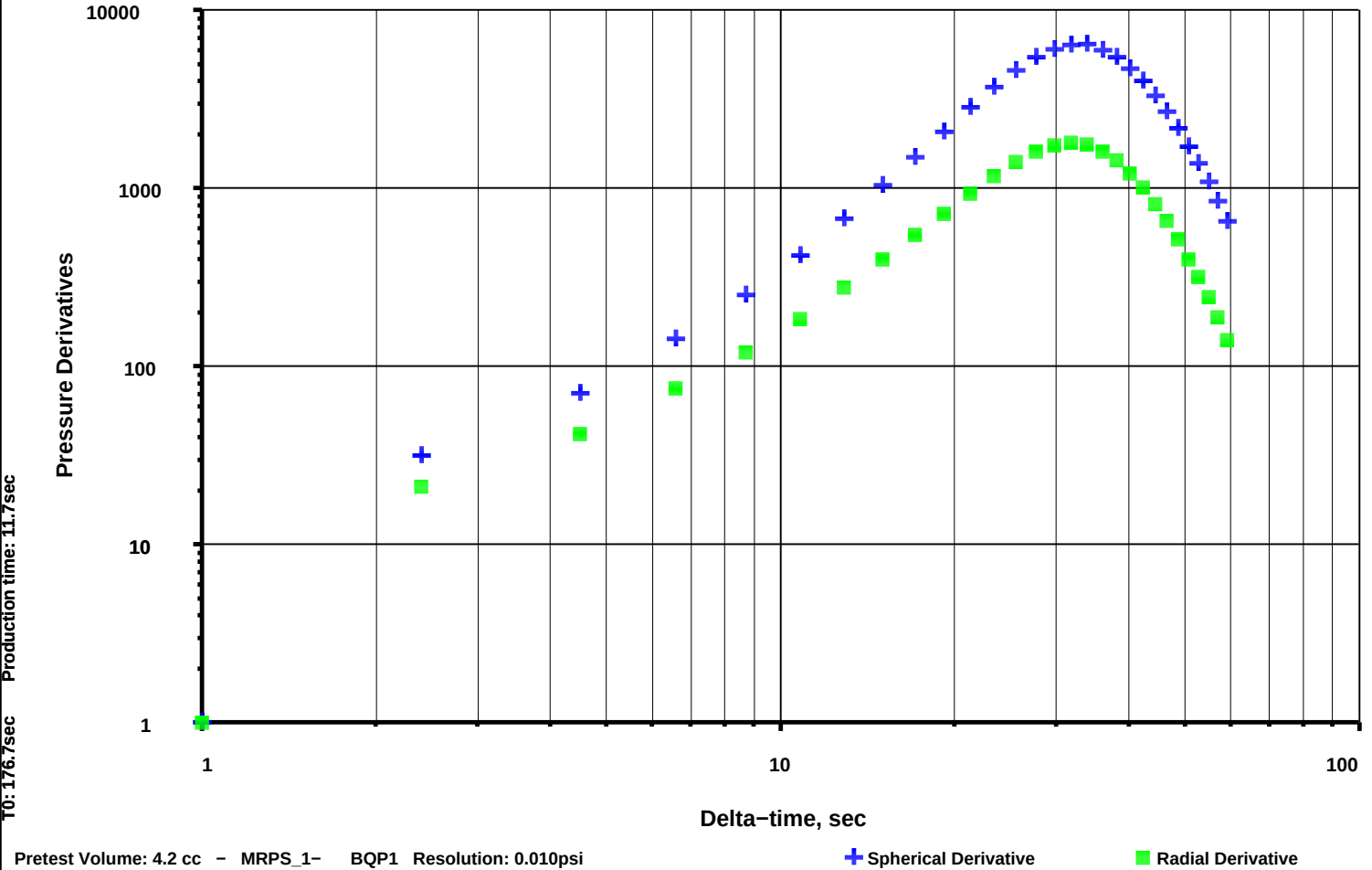
MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_102LTP	FN:159	PRODUCER	01-Sep-2011 06:37
BACKUP	MDT_102LTP	FN:160	PRODUCER	01-Sep-2011 06:37

MAXIS Field Log

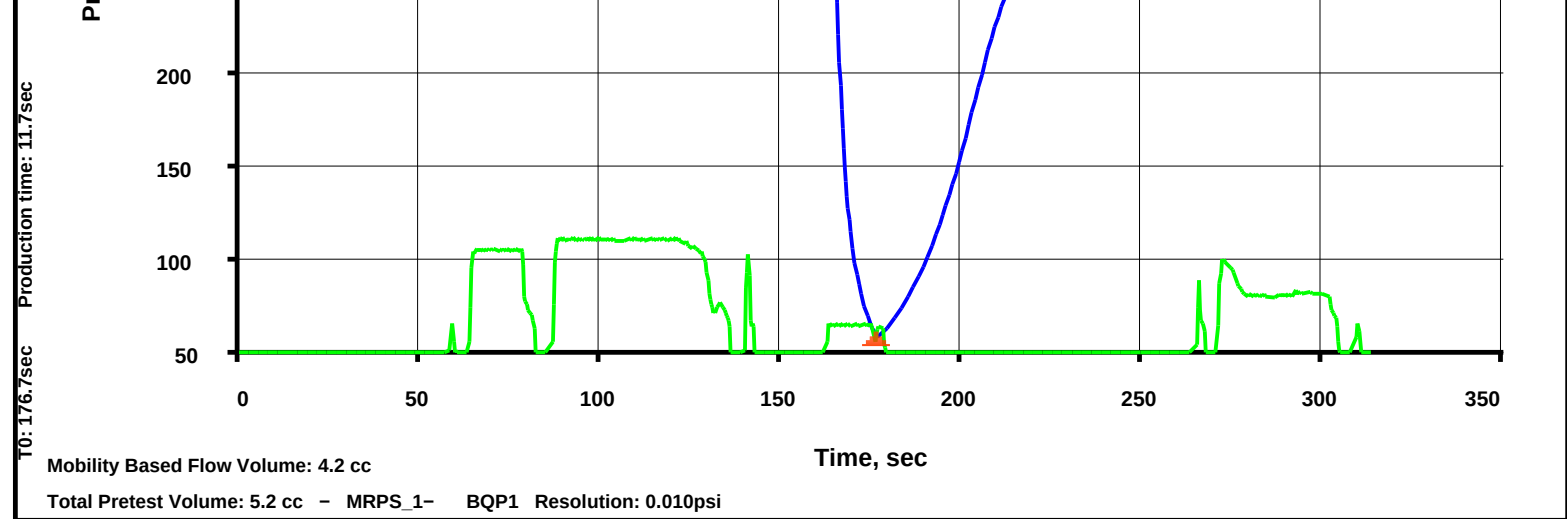
File 103 Depth, FT: 732.98 Volumetric Limited draw-down – Large-Diameter probe
 31-Aug-2011 SANDIA TECHNOLOGIES, LLC
 WILDCAT
 NYSTA TANDEM LOT 1



File 103 Depth, FT: 732.98 Volumetric Limited draw-down – Large-Diameter probe
 31-Aug-2011 SANDIA TECHNOLOGIES, LLC
 WILDCAT
 NYSTA TANDEM LOT 1

Mud Pressure before test, PSIA: 328.48
 Mud Pressure after test, PSIA: 328.35
 Last build-up pressure, PSIA: 277.98
 Draw-down mobility, md/cp: 1.4





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

Output DLIS Files

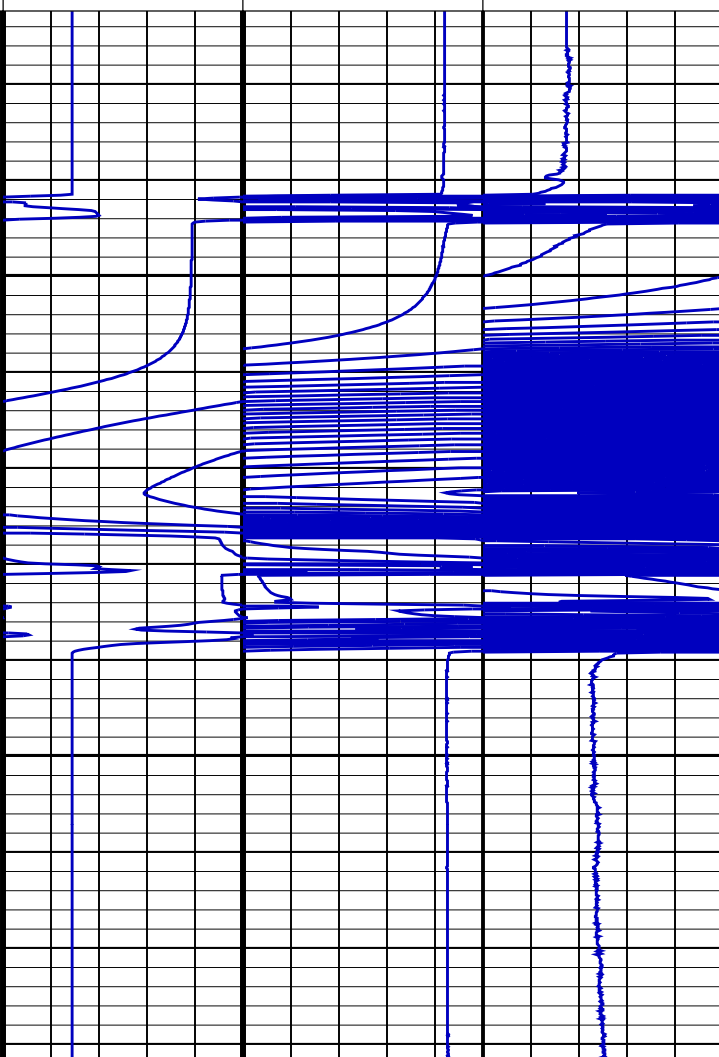
DEFAULT	MDT_103LTP	FN:161	PRODUCER	01-Sep-2011 06:51	733.0 FT
BACKUP	MDT_103LTP	FN:162	PRODUCER	01-Sep-2011 06:51	733.0 FT

Elapsed Time (s)	Event Summary
267.6	Retract Single Probe Module (MRPS) 1
158.7	Vert Pretest 5.2 cc @ 30 C3/M Single Probe Module (MRPS) 1
83.4	Probe Set @ 733.0 FT Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

	MRSC 3 Valve Position (VP3) (----)	
	-5 250	
	MRSC 2 Valve Position (VP2) (----)	
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)	-5 250	
	MRSC 1 Valve Position (VP1) (----)	
	-5 250	
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)	MRHY 1 Motor Speed (HMS1) (RPM)	Resistivity Cell Temperature
0 1000	0 8000	
MRPS 1 Resistivity Cell Temperature (R1TP)	MRPOUD Solenoid 3 Status	

100 (B1TR) (DEGF)		150 (POUDS3) 5 (----) 0	Temperature (B1TR) (DEGF)													
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 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							
Retract Vert Pretest 5.2 cc @ 30 C3/M Probe Set @ 733.0 FT			7.3 00:05:24	59.0 328.35												
			7.3 00:05:15	59.0 328.35												
			7.3 00:05:06	59.0 328.35												
			7.3 00:04:57	328.34												
			7.4 00:04:48	58.9 328.34												
			7.4 00:04:39	328.33												
			7.5 00:04:30	59.0 311.38												
			7.5 00:04:21	278.50												
			7.5 00:04:12	58.9 278.25												
			7.5 00:04:03	277.88												
			7.5 00:03:54	58.9 276.83												
			7.5 00:03:45	272.79												
			7.5 00:03:36	58.9 256.43												
			7.5 00:03:27	207.96												
			7.5 00:03:18	58.9 142.07												
			7.5 00:03:09	93.43												
			7.5 00:03:00	58.9 64.16												
			7.5 00:02:51	95.09												
			7.3 00:02:42	59.0 390.27												
			7.3 00:02:33	452.62												
7.3 00:02:24	59.0 391.94															
7.3 00:02:15	356.57															
7.2 00:02:06	59.0 328.52															
7.2 00:01:57	328.45															
7.2 00:01:48	59.0 328.46															
7.2 00:01:39	328.46															
7.2 00:01:30	59.0 328.46															
7.2 00:01:21	328.46															
7.2 00:01:12	59.1 328.47															
7.2 00:01:03	328.47															
7.2 00:00:54	59.0 328.47															
7.3 00:00:45	328.46															
7.2 00:00:36	59.1 328.48															
7.2 00:00:27	328.48															
7.3 00:00:18	59.0 328.49															
7.3 00:00:09	328.49															
7.3 00:00:00	59.1 328.50															
MRPS 1 Quartz Gauge Pressure (BQP1) 0 (PSIA) 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) 100 150			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) -5 250			MRSC 1 Valve Position (VP1) (----) -5 250													
			MRSC 2 Valve Position (VP2)													

(VP2) (-----)
-5 250
MRSC 3 Valve Position (VP3) (-----)
-5 250

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	485
MRSC_01: Sample Chamber Module (MRSC) 01		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_02: Sample Chamber Module (MRSC) 02		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_03: Sample Chamber Module (MRSC) 03		
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: 01-Sep-2011 06:51

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files			
DEFAULT	MDT_103LTP	FN:161	PRODUCER 01-Sep-2011 06:51
BACKUP	MDT_103LTP	FN:162	PRODUCER 01-Sep-2011 06:51



Pressure Test
733.4 ft

MAXIS Field Log

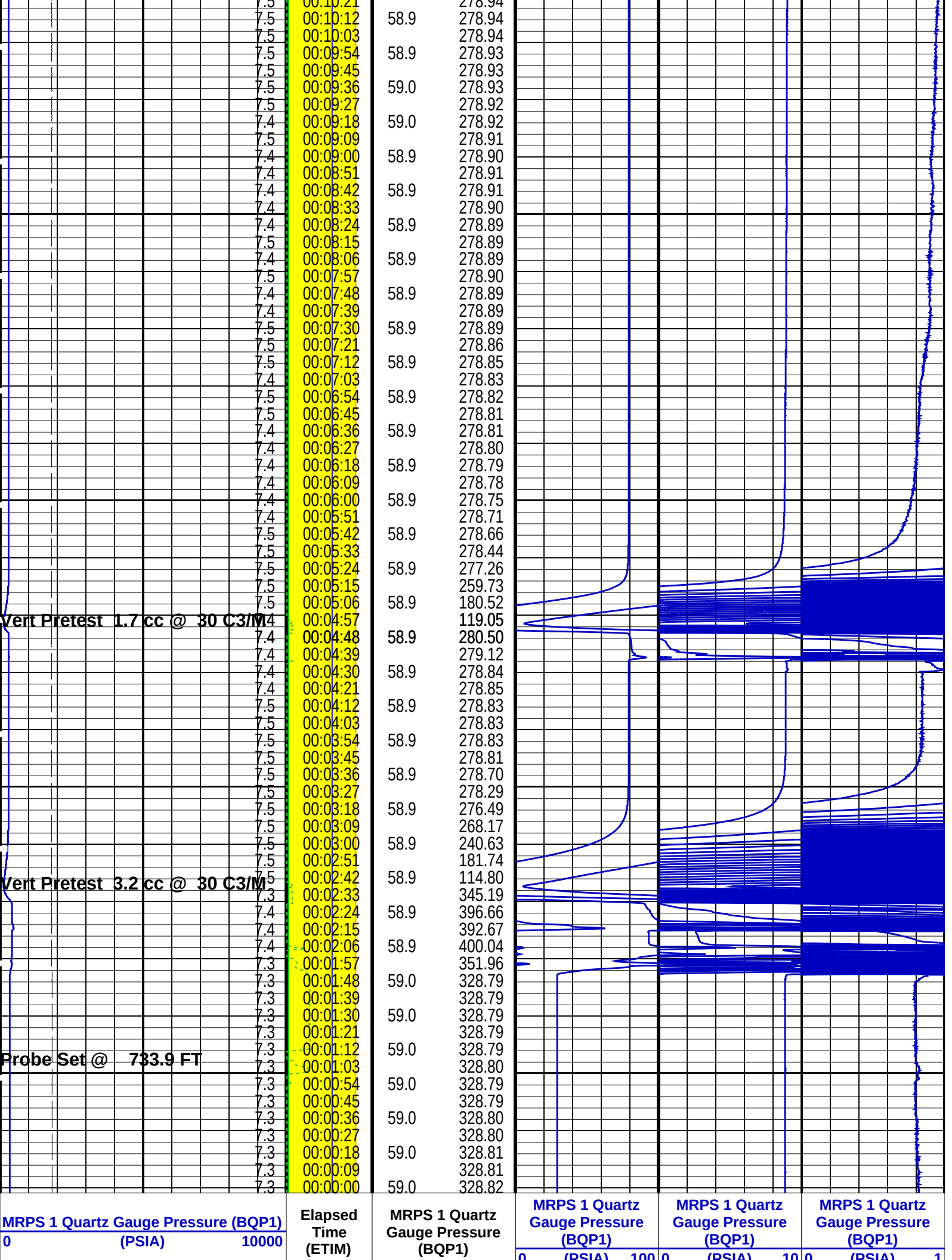
File 104	Depth, FT: 733.87	Volumetric Limited draw-down - Large-Diameter probe				
31-Aug-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA:		328.8		
	WILDCAT	Mud Pressure after test, PSIA:		328.59		
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA:		278.95		
		Draw-down mobility, md/cp:		1.9		
500						
450						

DEFAULT	MDT_104LTP	FN:163	PRODUCER	01-Sep-2011 06:58	733.9 FT
BACKUP	MDT_104LTP	FN:164	PRODUCER	01-Sep-2011 06:58	733.9 FT

Elapsed Time (s)	Event Summary
651.9	Retract Single Probe Module (MRPS) 1
288.3	Vert Pretest 1.7 cc @ 30 C3/M Single Probe Module (MRPS) 1
147.6	Vert Pretest 3.2 cc @ 30 C3/M Single Probe Module (MRPS) 1
70.5	Probe Set @ 733.9 FT Single Probe Module (MRPS) 1

Time Mark Every 60 S

[illegible]



MRPS 1 Resistivity Cell Temperature (B1TR) (DEGF)		MRPOUD Solenoid 3 Status (POUDS3) 5 (----) 0	Resistivity Cell Temperature (B1TR) (DEGF)	
MRPOUD Hydraulic Pump Output Volume (POUDPV) (C3)		MRHY 1 Motor Speed (HMS1) (RPM) 0 8000		
MRPS 1 Flowline Fluid Resistivity (BFR1) (OHMM)		MRSC 1 Valve Position (VP1) (----) -5 250		
		MRSC 2 Valve Position (VP2) (----) -5 250		
		MRSC 3 Valve Position (VP3) (----) -5 250		

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	485
MRSC_01: Sample Chamber Module (MRSC) 01		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_02: Sample Chamber Module (MRSC) 02		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_03: Sample Chamber Module (MRSC) 03		
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: 01-Sep-2011 06:58

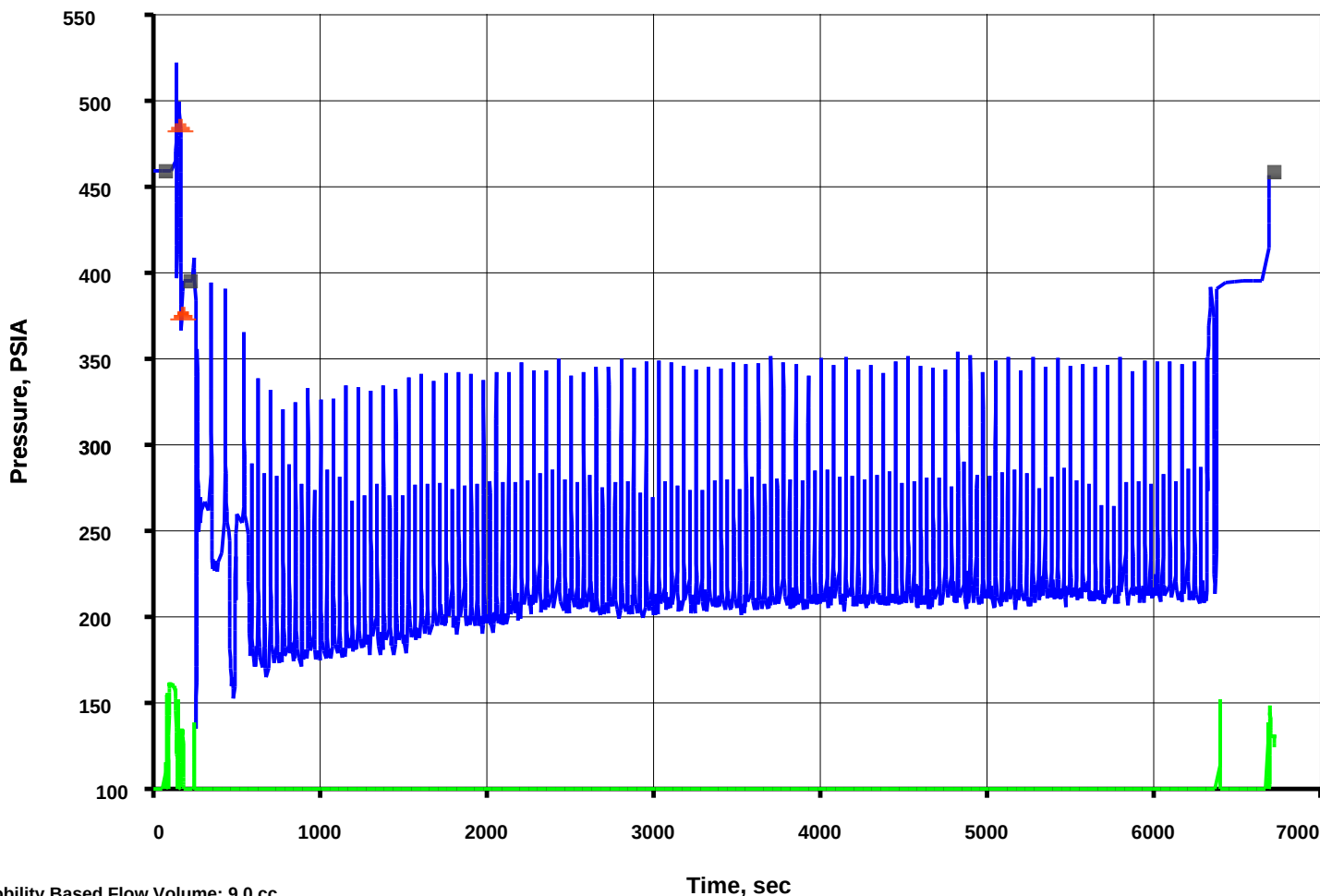
OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

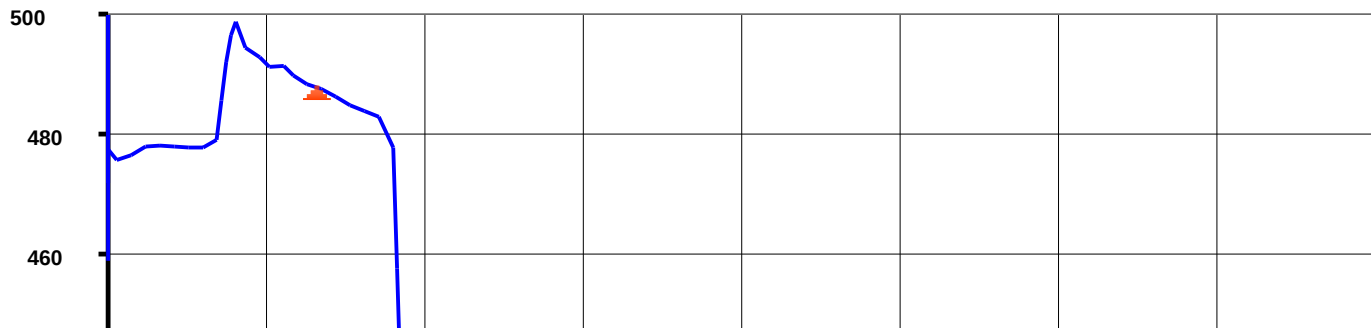
DEFAULT	MDT_104LTP	FN:163	PRODUCER	01-Sep-2011 06:58
BACKUP	MDT_104LTP	FN:164	PRODUCER	01-Sep-2011 06:58

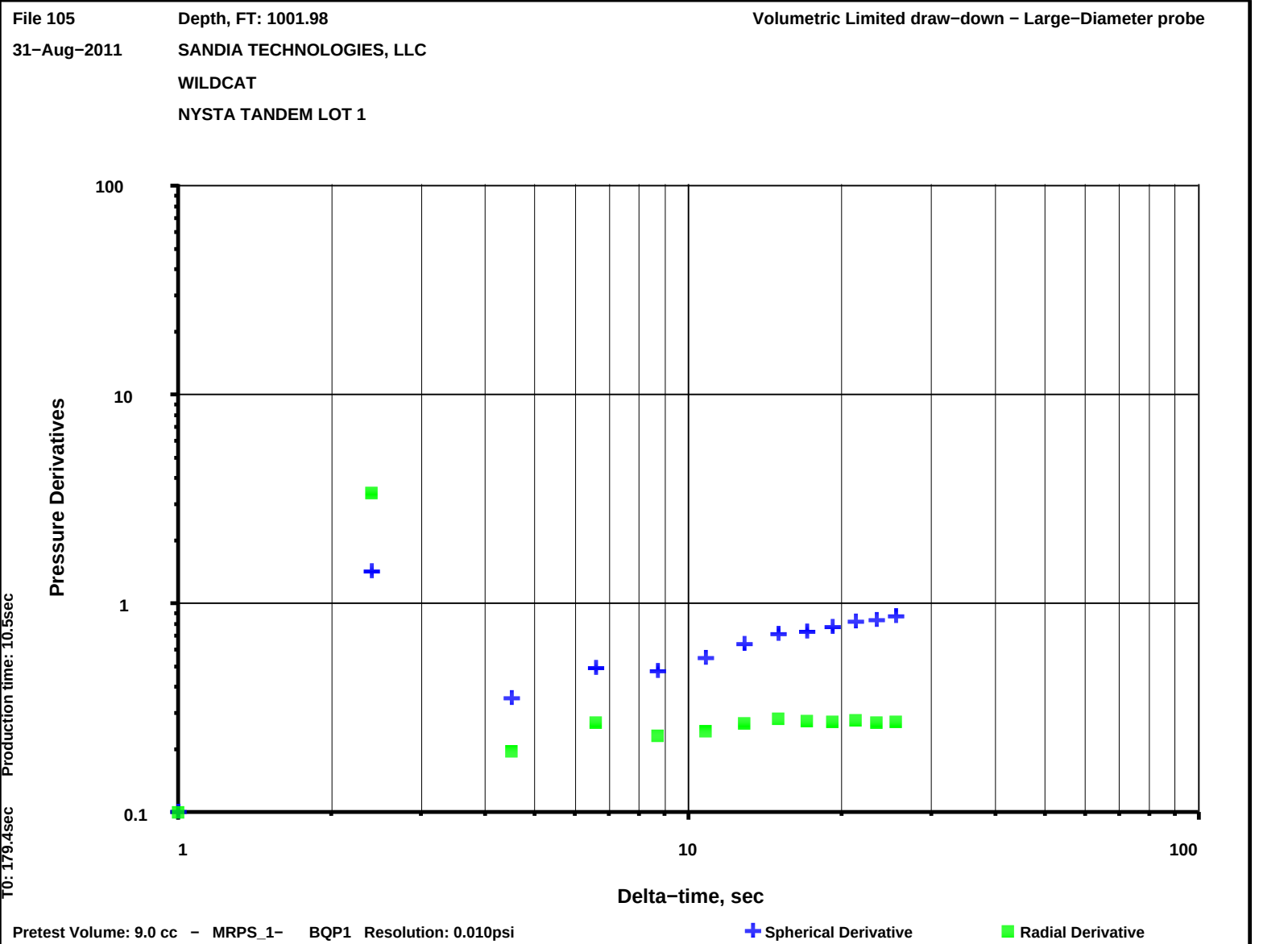
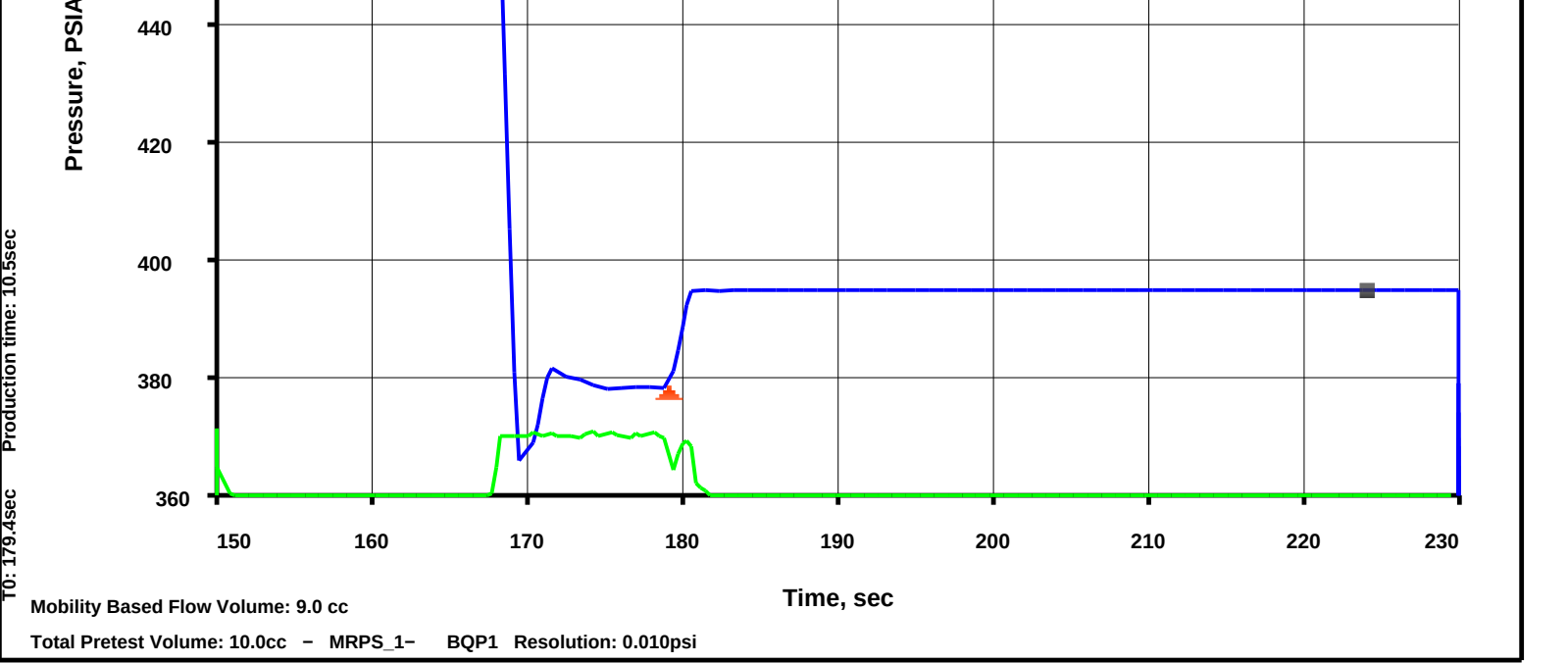
File 105	Depth, FT: 1001.98	Volumetric Limited draw-down - Large-Diameter probe
31-Aug-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA: 458.85
	WILDCAT	Mud Pressure after test, PSIA: 458.31
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA: 395.01
		Draw-down mobility, md/cp: 112.8



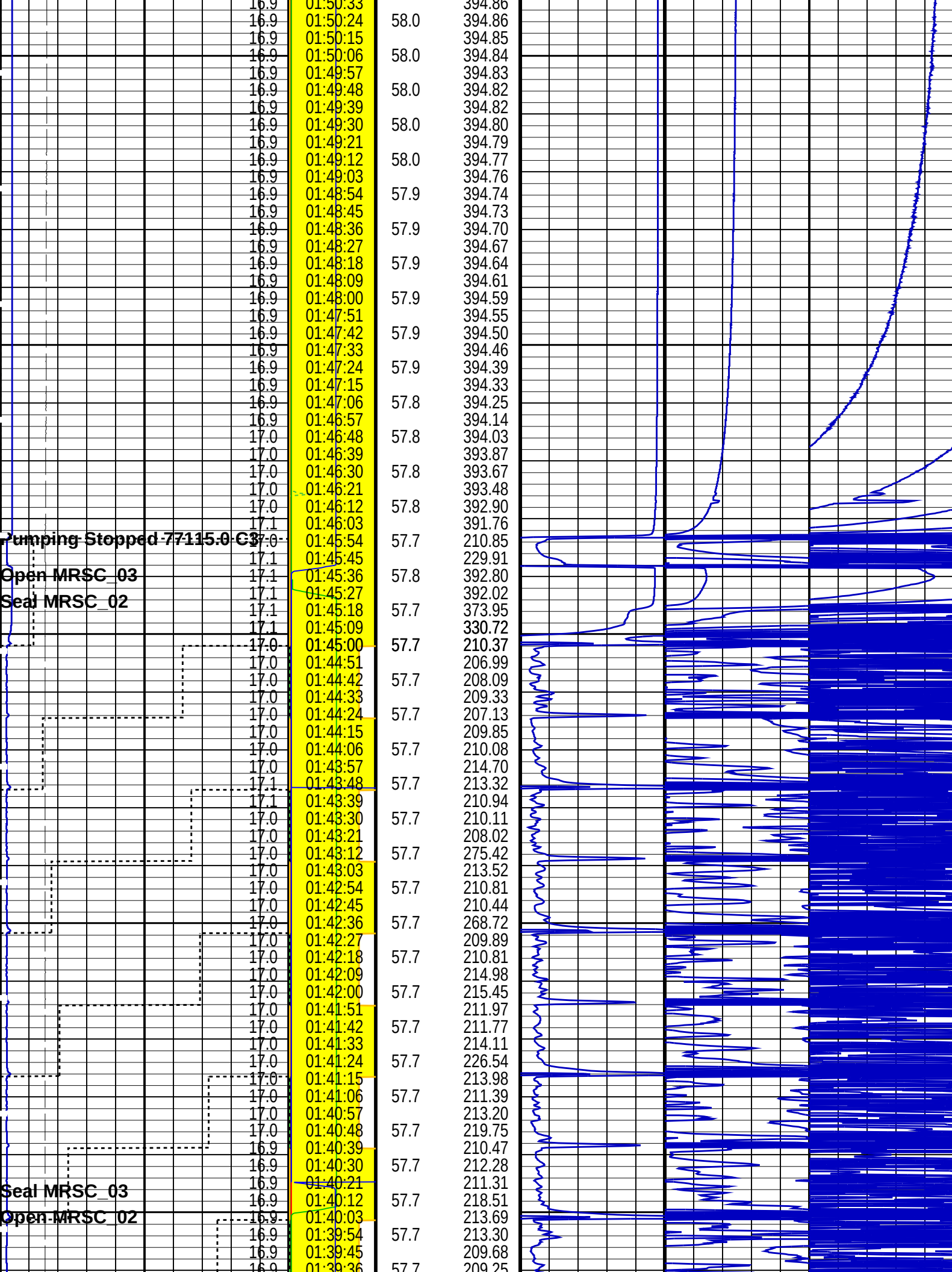
Mobility Based Flow Volume: 9.0 cc
Total Pretest Volume: 10.0cc - MRPS_1- BQP1 Resolution: 0.010psi

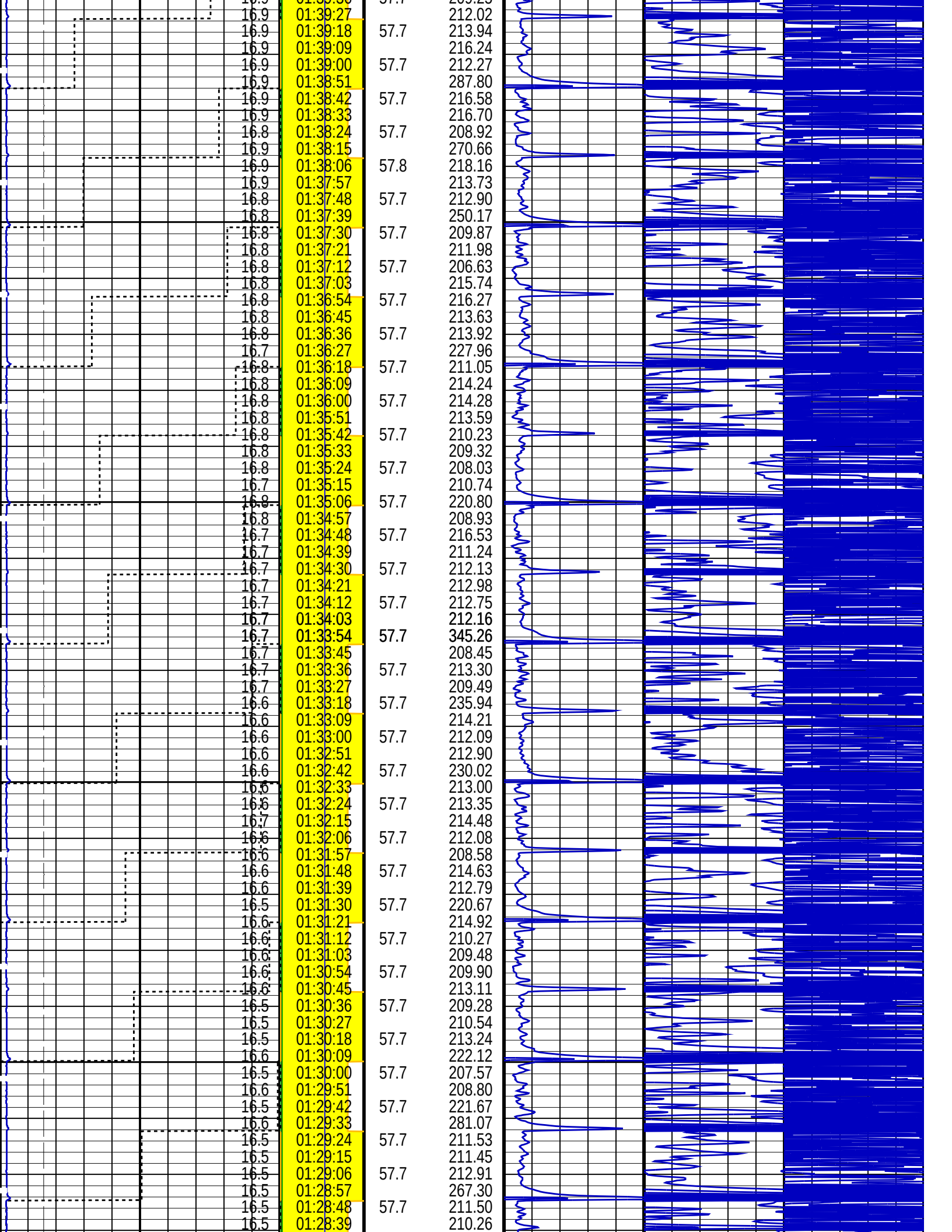
File 105	Depth, FT: 1001.98	Volumetric Limited draw-down - Large-Diameter probe
31-Aug-2011	SANDIA TECHNOLOGIES, LLC	Mud Pressure before test, PSIA: 458.85
	WILDCAT	Mud Pressure after test, PSIA: 458.31
	NYSTA TANDEM LOT 1	Last build-up pressure, PSIA: 395.01
		Draw-down mobility, md/cp: 112.8

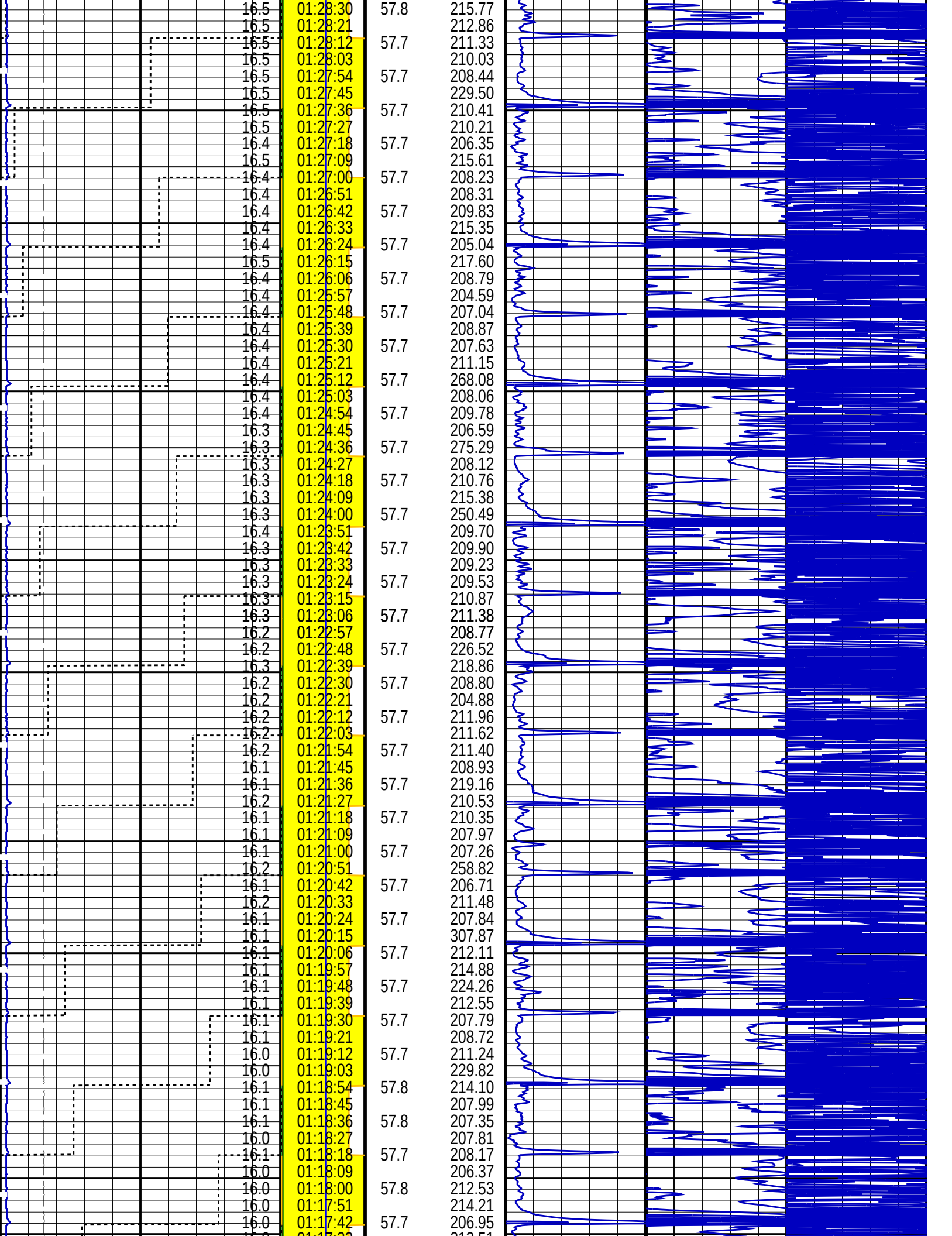


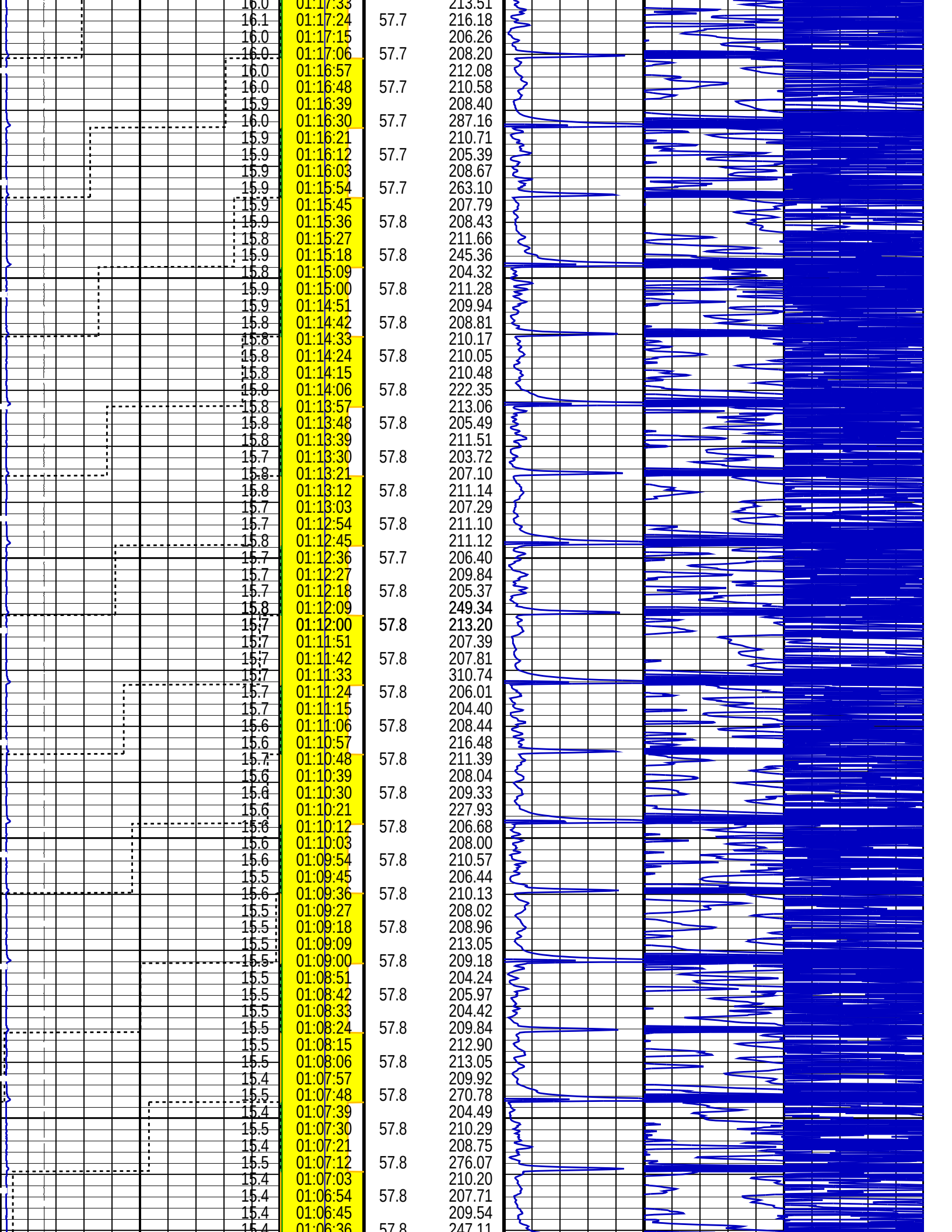


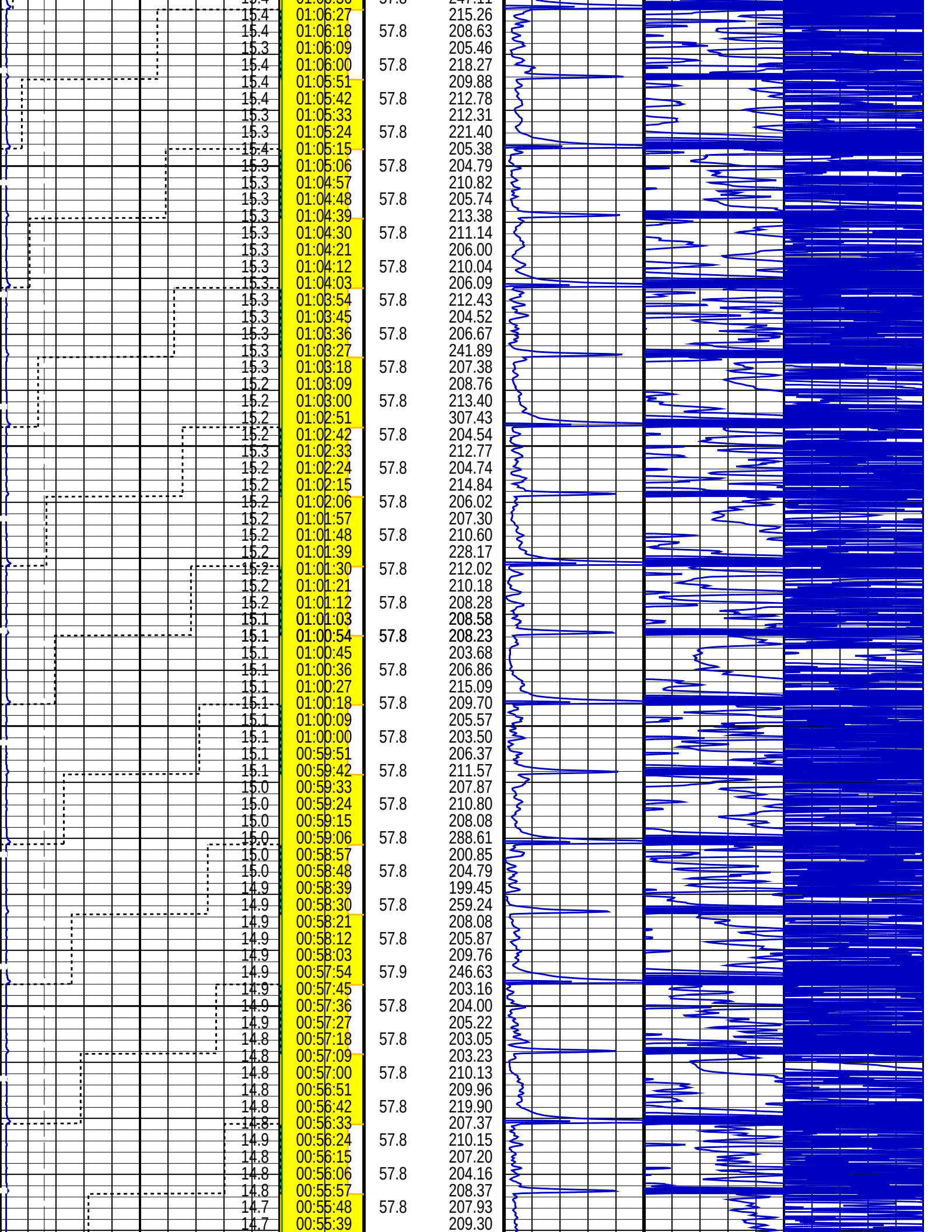
Output DLIS Files					
DEFAULT	MDT_105LTP	FN:165	PRODUCER	01-Sep-2011 07:17	1002.0 FT
BACKUP	MDT_105LTP	FN:166	PRODUCER	01-Sep-2011 07:17	1002.0 FT

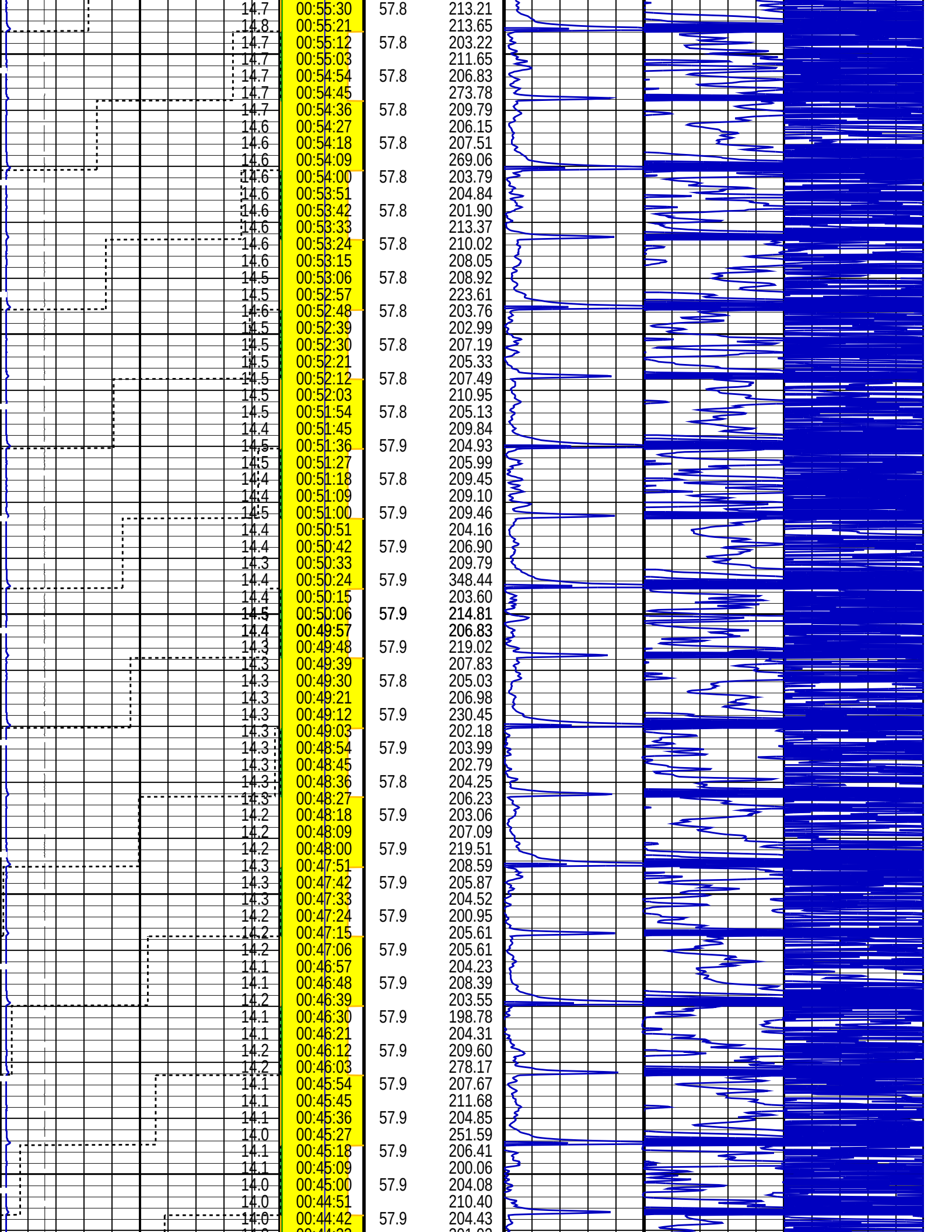


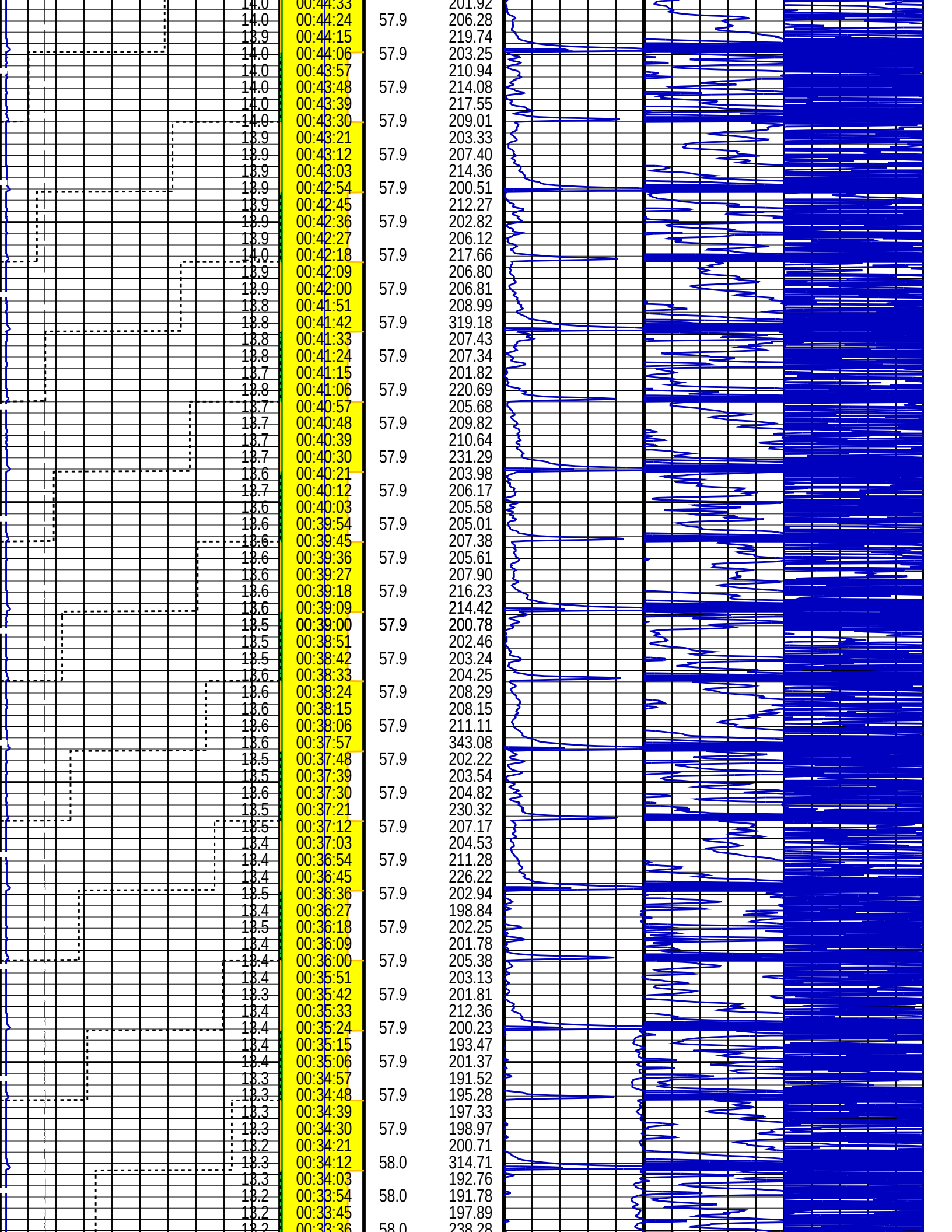


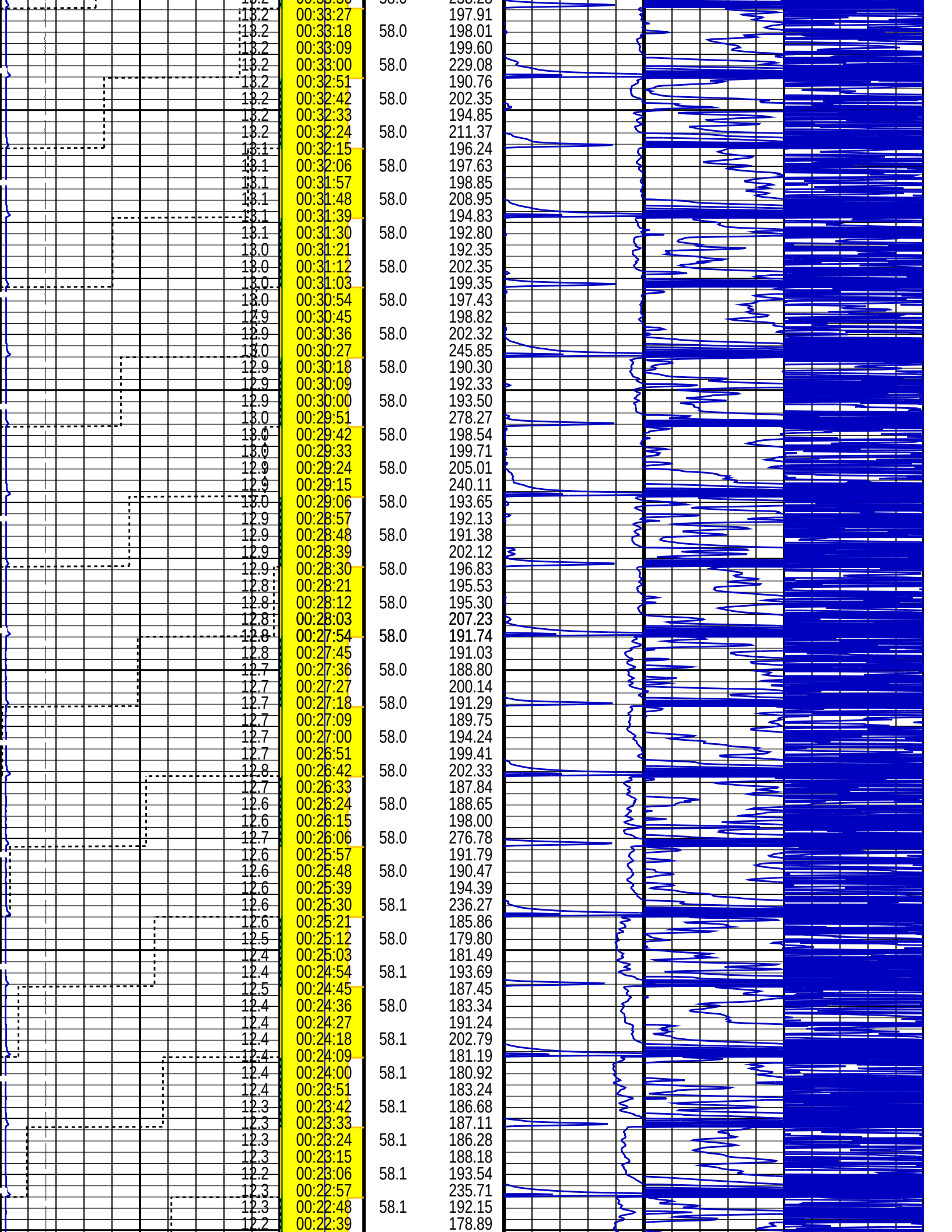


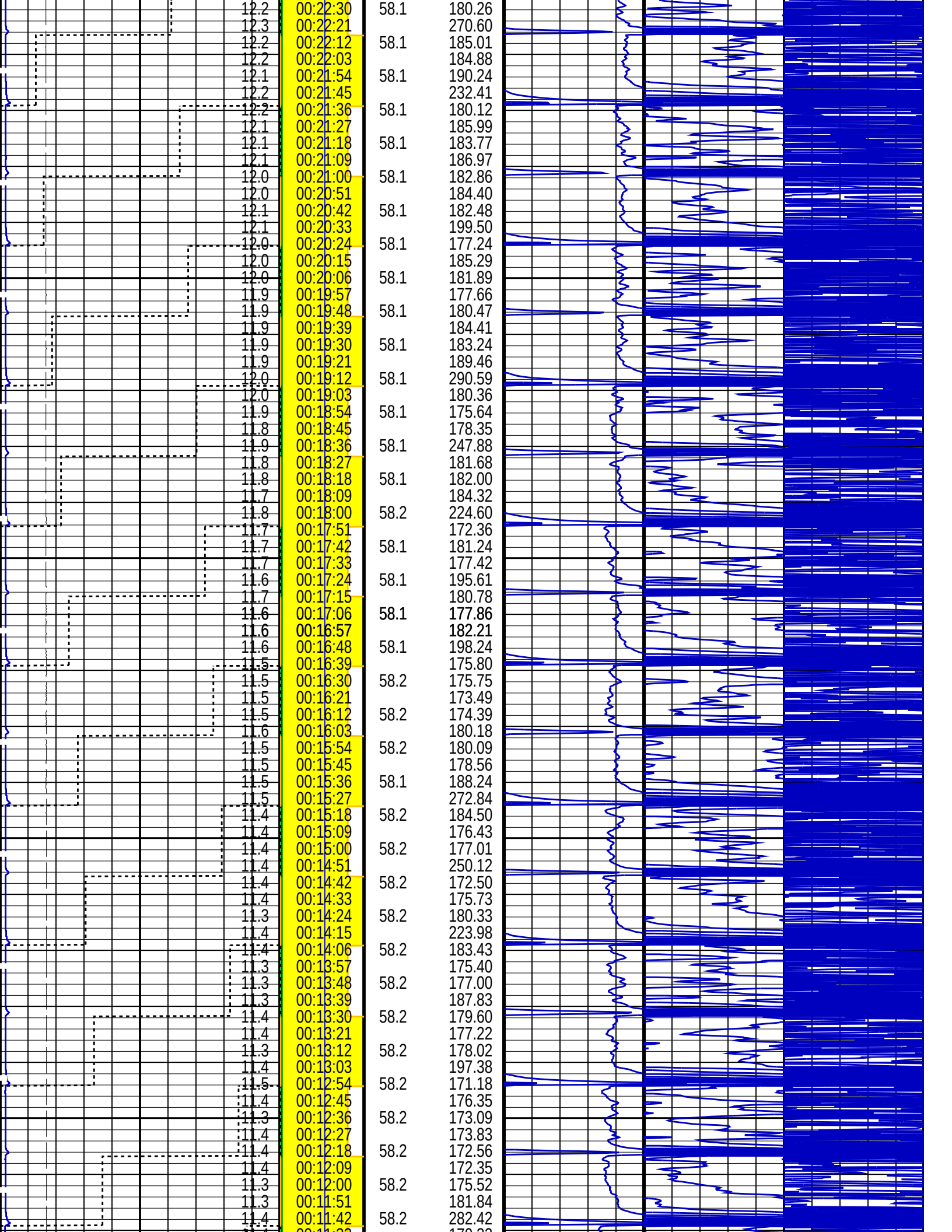


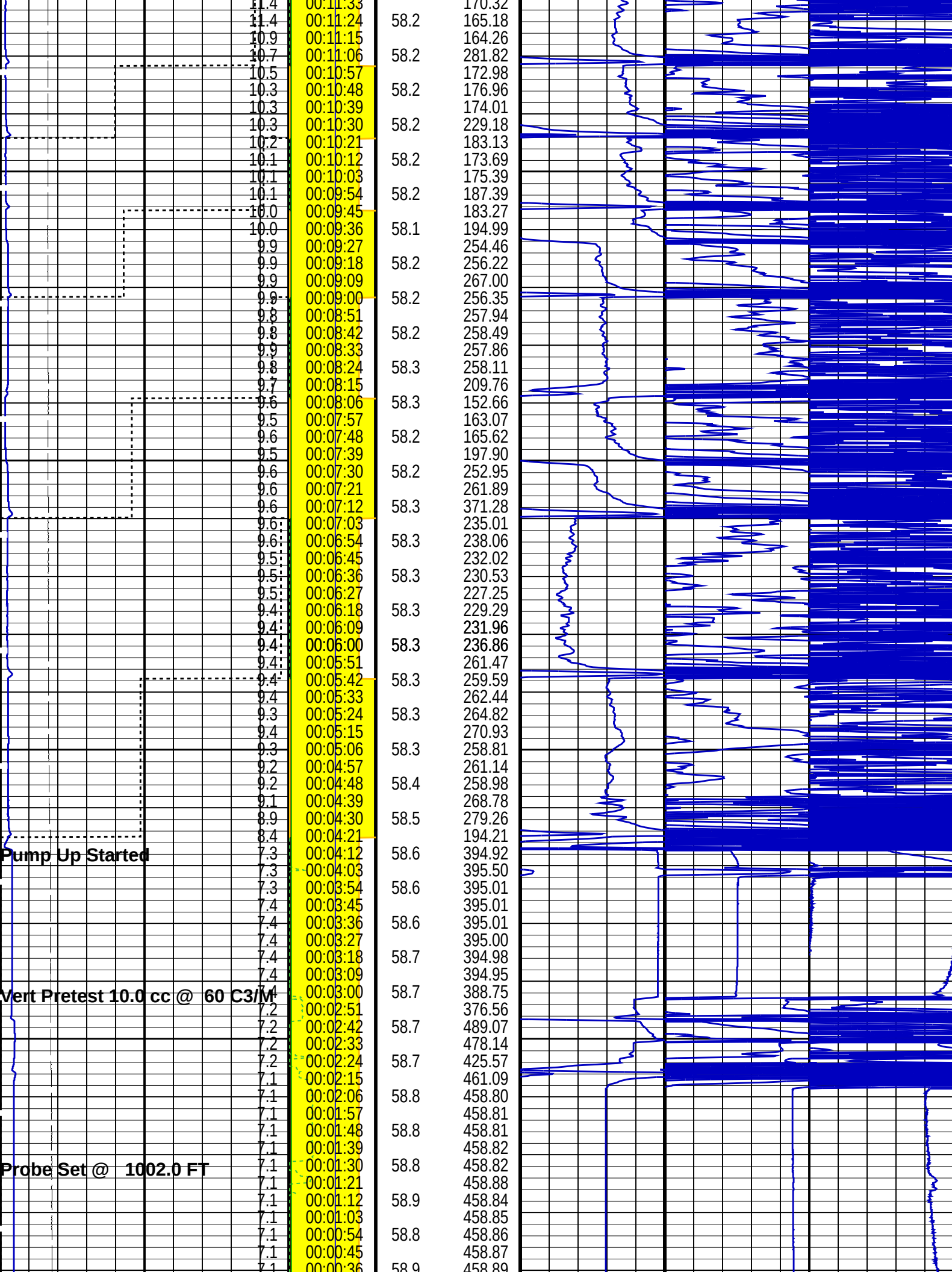












MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_02	HPS-5108-MDT_b

HP3-5108-MDT_D
19C0-187

DEFAULT	MDT_105LTP	FN:165	PRODUCER	01-Sep-2011 07:17
BACKUP	MDT_105LTP	FN:166	PRODUCER	01-Sep-2011 07:17

Schlumberger

Correlation

MAXIS Field Log

Company: SANDIA TECHNOLOGIES, LLC

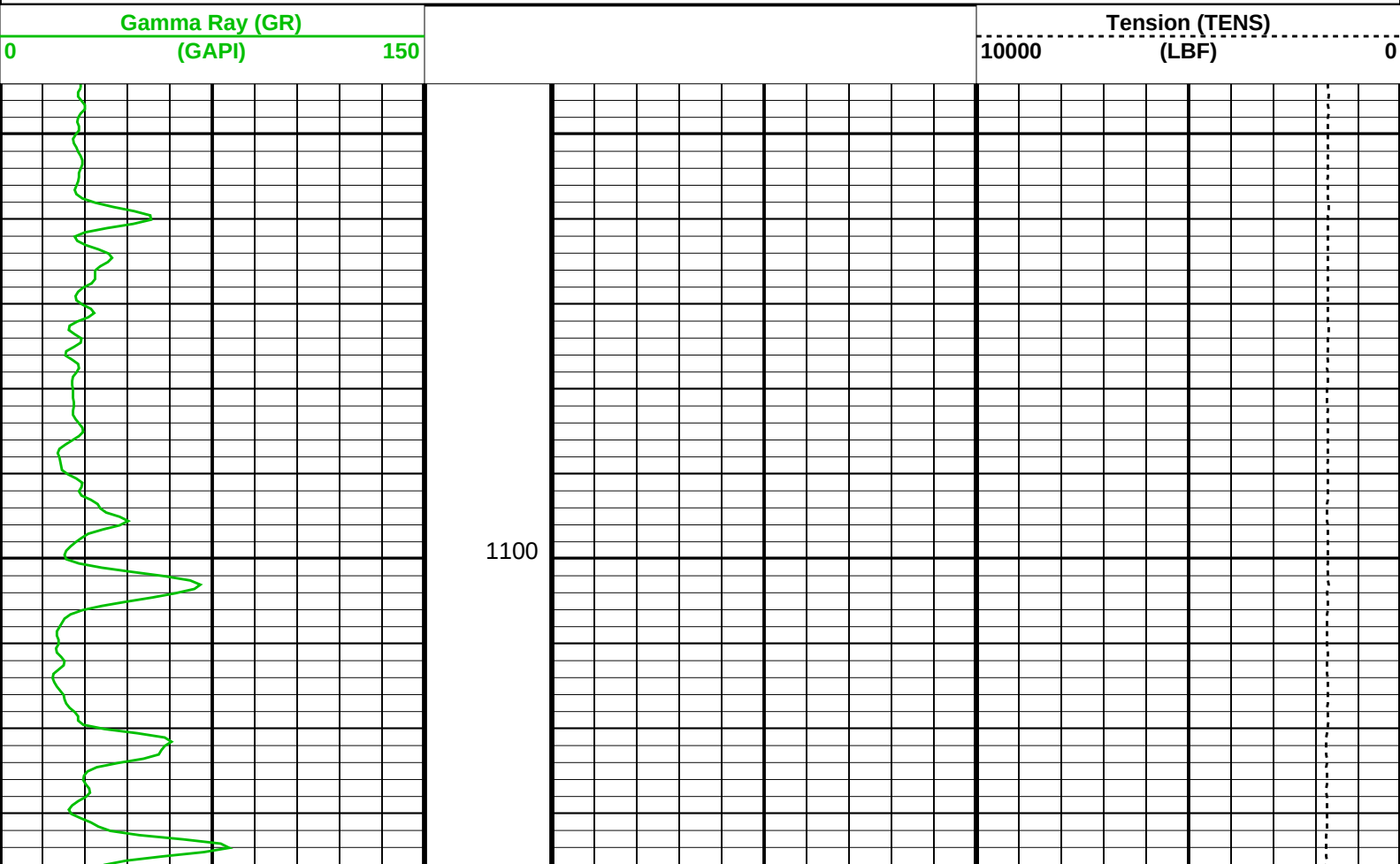
Well: NYSTA TANDEM LOT 1

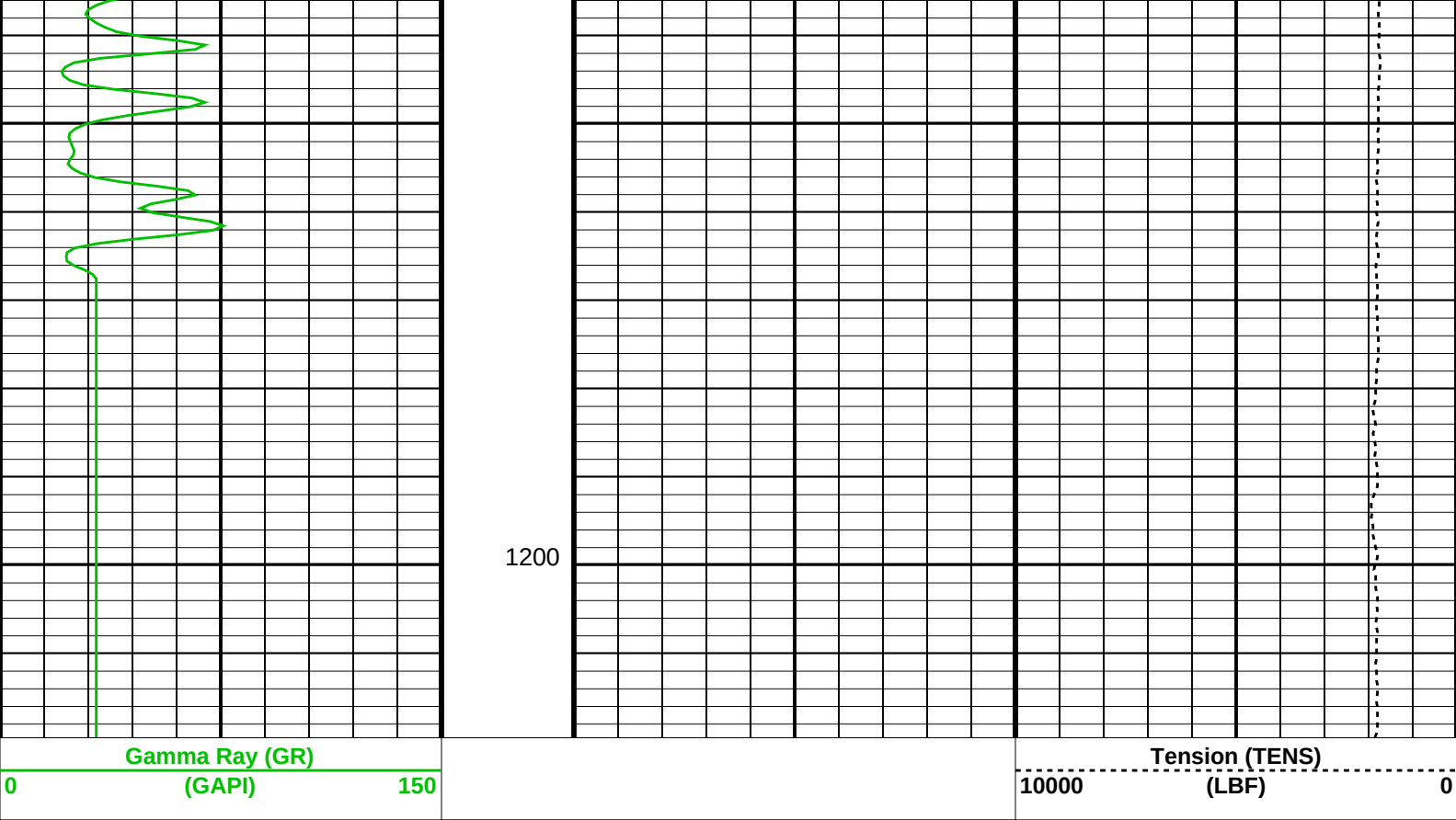
Output DLIS Files

DEFAULT	MDT_095LUP	FN:145	PRODUCER	01-Sep-2011 03:03
BACKUP	MDT_095LUP	FN:146	PRODUCER	01-Sep-2011 03:03

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	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
MRSC_01: Sample Chamber Module (MRSC) 01		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_02: Sample Chamber Module (MRSC) 02		
PDCO	Probe Depth Correction Offset	0 FT
MRSC_03: Sample Chamber Module (MRSC) 03		
PDCO	Probe Depth Correction Offset	0 FT
MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0 FT

Format: CORRELATION Vertical Scale: 5" per 100' Graphics File Created: 01-Sep-2011 03:03

OP System Version: 19C0-187

MRPS_1	HPS-5108-MDT_b	MRHY_1	HPS-5108-MDT_b
MRPO_UD	HPS-5108-MDT_b	MRSC_01	HPS-5108-MDT_b
MRSC_02	HPS-5108-MDT_b	MRSC_03	HPS-5108-MDT_b
MRPC	HPS-5108-MDT_b	SGT-L	19C0-187
TCC-BF	19C0-187		

Output DLIS Files

DEFAULT	MDT_095LUP	FN:145	PRODUCER	01-Sep-2011 03:03
BACKUP	MDT_095LUP	FN:146	PRODUCER	01-Sep-2011 03:03



Calibrations

Vert Strain Gauge (Single Probe Module 1)

Serial Number: 249181
 Range: 20K
 Calibration Date: 3_MARCH_11
 Mean Quadratic Deviation: 0.4614
 Offset: 0.0000 PSI
 Calibration Pressure Unit: PSIG
 Calibration Temperature Unit: DEGF

	G	H	I	J
0	-8.939953e+002	1.019699e+000	-2.031330e-007	-4.134791e-012
1	2.769294e-001	-7.526379e-005	6.170502e-010	-2.044895e-014
2	1.583209e-003	1.375980e-008	-1.566581e-012	3.672462e-017
3	-1.742962e-006	-1.080204e-011	5.263976e-016	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: 0283
 Sensor Calibration Date (DDMMYY): 260210
 Pressure Model: $P=F(Fc,Fb)$
 Pressure Matrix: 66
 Pressure CRC: 46DC
 Temperature Model: $T=F(Fb,Fc)$
 Temperature Matrix: 66
 Temperature CRC: 7586
 Clock Comment: :
 Clock Serial Number: 238
 Clock Calibration Date (DDMMYY): 260210
 Clock Model: $F'c=F(F'b/F'c)$
 Clock Matrix: 16
 Clock CRC: B744
 Fc Offset: +.514400000000E+07 Hz
 Fb Offset: +.558800000000E+07 Hz
 R Offset: +.109100000000E+01 Hz

Pressure Coefficients

	Fb**0	Fb**1	Fb**2	Fb**3
Fc**0	+.749124809269E+04	+.176682987496E-01	-.313621200329E-06	-.860298703849E-10
Fc**1	-.111644853102E+01	-.138482375036E-04	-.112745848217E-09	-.150941094209E-15

Fc**2	+1.122631194390E-05	+5.03579133262E-10	+1.137384338552E-14	+6.62860959078E-19
Fc**3	+7.741237472699E-11	-5.531206255977E-15	-4.70536038238E-19	+2.240318477919E-23
Fc**4	+3.314618590708E-15	+6.76385080069E-19	-6.99735162696E-23	-8.99726400110E-27
Fc**5	+8.832707336982E-21	+1.118649984185E-22	+4.487608164719E-27	+1.114868782267E-31

Fb**4

Fb**5

Fc**0	-1.161371258033E-14	-2.273144245622E-19
Fc**1	+2.226638422962E-19	+8.891018029042E-24
Fc**2	-6.698859490035E-24	-1.177097497004E-27
Fc**3	+3.300912231364E-28	+2.295006622088E-31
Fc**4	+3.356996246065E-31	+3.376236505729E-35
Fc**5	-2.296235210861E-36	-7.791665370186E-39

Temperature Coefficients

Fc**0

Fc**1

Fc**2

Fc**3

Fb**0	+1.113349027760E+03	-3.394646565063E-03	+7.756789329772E-08	+2.203489584248E-13
Fb**1	-6.604525361426E-02	+1.163525069256E-07	+1.159221577143E-12	+2.288450555730E-16
Fb**2	-3.342482010087E-07	+3.329740152745E-12	+5.579255625731E-17	+2.257527377537E-20
Fb**3	-2.210710996704E-12	+2.221106429916E-16	+3.387309598785E-20	-1.105427879704E-23
Fb**4	+8.854428417063E-17	+2.275699054747E-21	-3.366638412988E-25	-3.306770553606E-28
Fb**5	-6.677630502181E-21	-5.597896106840E-25	-2.292208304768E-28	+6.616364213288E-32

Fc**4

Fc**5

Fb**0	-1.165413549469E-17	+2.221315701522E-21
Fb**1	+1.119557663690E-20	-5.560883866833E-24
Fb**2	-2.211969738098E-24	-2.268657197641E-28
Fb**3	-9.954364437030E-28	+1.191540929396E-31
Fb**4	+2.220449348938E-32	+3.371001585927E-36
Fb**5	+7.706845712211E-36	-1.110597743343E-39

Clock Coefficients

F'b/F'c**0	+5.517502431309E+07
F'b/F'c**1	+3.399376450674E+05
F'b/F'c**2	+3.334751724609E+07
F'b/F'c**3	-9.978639890853E+10
F'b/F'c**4	-3.317760076052E+12
F'b/F'c**5	+2.207971543683E+14

Company: **CANDIA TECHNOLOGIES, LLC**

Schlumberger

Well: **NYSTA TANDEM LOT 1**
Field: **WILDCAT**
County: **ROCKLAND**
State: **NEW YORK**

MODULAR DYNAMICS FORMATION TESTER
PRESSURES - LOW SHOCK SAMPLING
GAMMA RAY