Schlumberger

Company: **Woodside Energy Ltd**

Well: **Thylacine South−1**
Field: **Thylacine South**
Rig: **Maersk Guardian** Country: **Australia**

MDT−GR
Modular Formation Dynamic Tester
Sampling Print

Rig: Maersk Guardian
Field: Thylacine South
Location: Permit: T/30P & T/L2
Well: Thylacine South−1
Company: Woodside Energy Ltd

LOCATION

Permit: T/30P & T/L2
Eastings (m): 664 161.00
Northing (m): 5 655 156.80

Elev.:
G.L. −99.3 m
D.F. 50.5 m

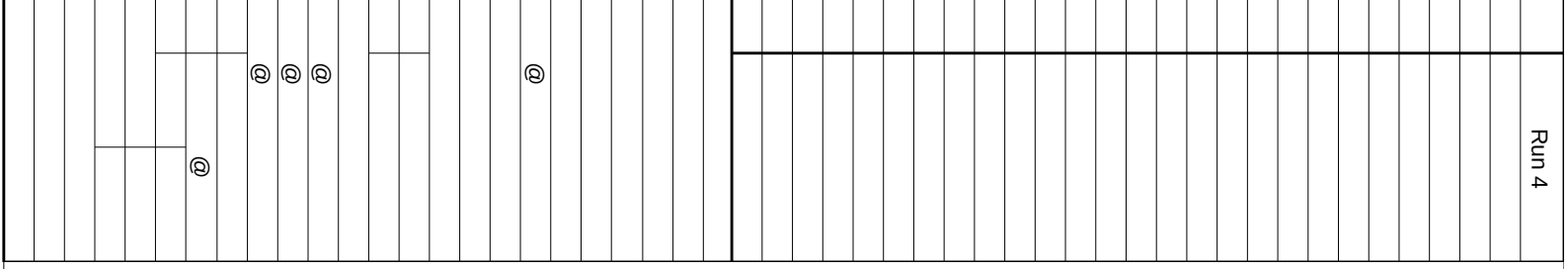
Permanent Datum: LAT
Log Measured From: D.F.
Drilling Measured From: D.F.

Elev.: 0 m
50.5 m above Perm. Datum

State:	Max. Well Deviation	Longitude	Latitude
Tasmania	48.5 deg	142 54' 7.580"E	39 14' 14.560"S

	Run 1	Run 2	Run 3
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			
MUD Density / Viscosity			
MUD Fluid Loss / PH			
MUD 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			

Logging Date		8−Apr−2006				
Run Number		Suite−1,Run−1,2				
Depth Driller		3245 m				
Schlumberger Depth		Not Tagged				
Bottom Log Interval		3207.9 m				
Top Log Interval		2804 m				
Casing Driller Size @ Depth		18.625 in @ 633 m		@		
Casing Schlumberger		Not Logged				
Bit Size		12.250 in				
Type Fluid In Hole		SBM (Amodrill 1235)				
MUD Density	Viscosity	1.25 g/cm3	36 s			
MUD Fluid Loss	PH	2.4 cm3	Not Recorded			
MUD Source Of Sample		PIT				
RM @ Measured Temperature		Infinite @		@		
RMF @ Measured Temperature		Infinite @		@		
RMC @ Measured Temperature		Infinite @		@		
Source RMF	RMC	PRESS	PRESS			
RM @ MRT	RMF @ MRT	Infinite @ 114	Infinite @ 114	@	@	
Maximum Recorded Temperatures		114 degC				
Circulation Stopped	Time	6−Apr−2006	1:20			
Logger On Bottom	Time	9−Apr−2006	1:30			
Unit Number	Location	571	AUSL			
Recorded By		Tim Hopper / Ron Clark				
Witnessed By		Dave Thornton / John Hobday				



DEPTH SUMMARY LISTING

Date Created: 9−APR−2006 20:05:16

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−E	Type:	CMTD−B/A	Type:	7−46ZV−XS
Serial Number:	1914	Serial Number:	2336	Serial Number:	72003
Calibration Date:	24−Aug−2005	Calibration Date:	19−Nov−2005	Length:	5600.09 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1174	Conveyance Method:	DrillPipe (TLC)
Calibration Cable Type:	7−46ZV−XS	Calibration Gain:	0.87	Rig Type:	Offshore_Fixed
Wheel Correction 1:	−2	Calibration Offset:	622.00		
Wheel Correction 2:	−3				

Depth Control Parameters

Log Sequence: Subsequent Log In the Well

Reference Log Name: Sperry 12 1/4" Quad Combo

Reference Log Run Number:

Reference Log Date: 06−Apr−2006

Depth Control Remarks

1. This is the first wireline survey in the well.
2. Correlation undertaken whilst the drill pipe was moving down.
3. IDW was used as the primary depth control.
4. Z−Chart and Pipe Tally were used as the secondary depth control.
5.
6.

OTHER SERVICES1		OTHER SERVICES2	
OS1:	Pretest Print	OS1:	
OS2:		OS2:	
OS3:		OS3:	
OS4:		OS4:	
OS5:		OS5:	

REMARKS: RUN NUMBER 1

First run in the hole. Schlumberger depth correlated to Sperry 12 1/4" Quad Combo LWD dated 06−Apr−2006.

Tool string run as per the tool sketch, with MDT standoffs along the length of the tool string.

MDT toolstring run initially on wireline as Suite−1, Run−1. Whilst correlation in process overpulls were experienced and the decision was made to pull out of hole and run the tool string on TLC.

Tool string run on drill pipe. MDT was correlated with the drill pipe moving down.

The survey consisted of 46 pretests including 2 sampling stations.

Sampling Summary;

Samples @ 3060.0 mMD: Bottle 1: #2055, Bottle 2: #2056, Bottle 3: #2057

Bottles 1, 2, 3 recovered full and with trapped pressure.

Samples @ 2811.0 mMD: Bottle 4: #2100, Bottle 5: #2245, Bottle 6: #2247

Bottle 4 was recovered full and with trapped pressure.

Bottle 5 did not fill. Bottle 6 did not close. No sample recovered

The first attempt to pumpout at 3060 mMD saw OBM entering the flowline after 25 minutes of pumping. This station was aborted.

Inclinometry survey taken from Sperry

Additional Mud Properties:

Total Salinity NaCl (ppm): 192292 (water phace), Barite w/v: 5.14%, Solids (Drilled/Sand %): 8.2/0.3

SBM Water Phase (%): 23, SBM oil/water ratio: 73:27, PV/YP: 36/30

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:		14C0−302	PROGRAM VERSION:		
FLUID LEVEL:		0 m	FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

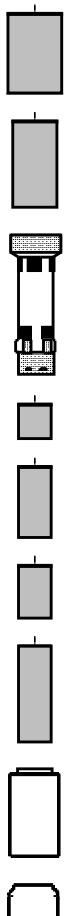
EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

MRPP−AA 413
GSR−U/Y
WITM (CTS)−A

DOWNHOLE EQUIPMENT



AH−X/O − 4.5−5.5" 25.07
AH−X/O − 4.5−5.5"

AH−X/O − 3.5−4.5" 23.69
AH−X/O − 3.5−4.5"

DWCH−A 22.19
DWCH−A

AH−107 19.75

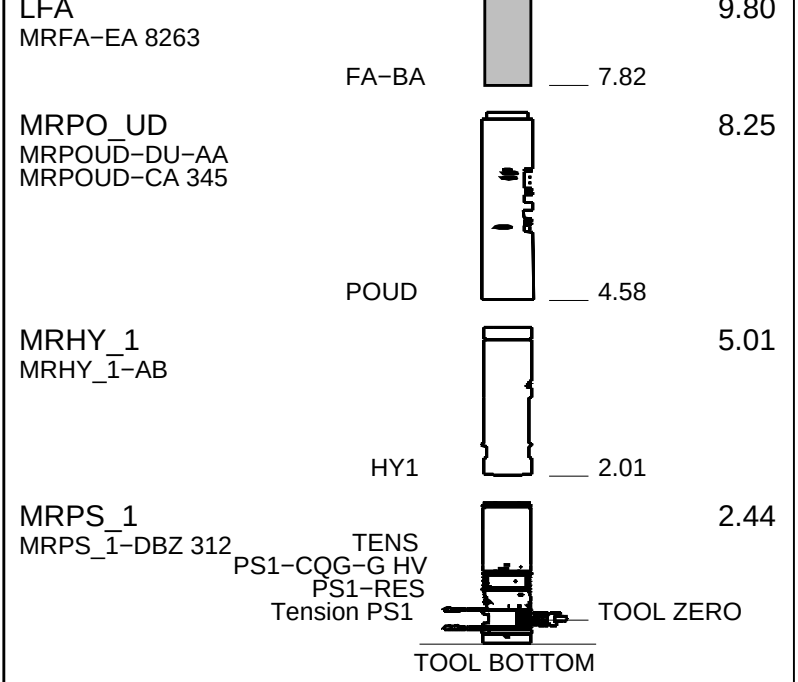
ACTS−B1 19.15
ACTM−A 703
ACTE−A 703

TCC−B 17.93
ECH−KC
TelStatus
CTEM ___ 16.58

SGT−L 17.01
SGH−K 2030
SGC−SA 1490
SGD−TAA 4552
Gamma Ray ___ 16.30

MRPC 15.34
MRPC−BB 137
PC ___ 13.39

MRMS_1 13.82
BOTT_6−AA 2247
BOTT_5−AA 2245
BOTT_4−AA 2100
BOTT_3−AA 2057
BOTT_2−AA 2056
BOTT_1−AA 2055
MRMS_1−BA
MS1 ___ 9.37

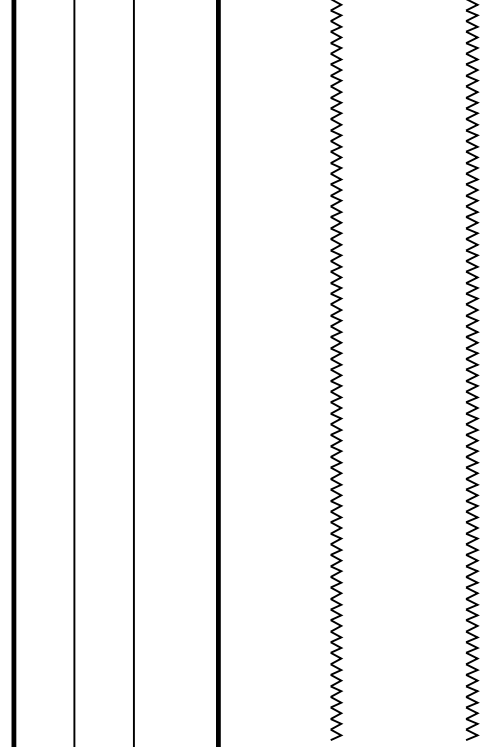


MAXIMUM STRING DIAMETER 5.50 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: Woodside Energy Ltd
Well: Thylacine South−1
Field: Thylacine
State: Tasmania
Country: Australia

Rig Name: Maersk Guardian
Reference Datum: Least Astronomic Tide
Elevation: 50.5 m

Production String	(in) OD	(in) ID	(m) MD	Well Schematic	(m) MD	(in) OD	(in) ID	Casing String
Derrick Floor Elevation			50.5					
Mean Sea Level			99.3					
								Casing String
					217.0	26.000		Casing Shoe
					633.0	18.625		Casing Shoe
					633.0	12.250		Borehole Segment



					3245.0			Total Depth: 12.25"

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Inclinometry Listing

MAXIS Field Log

WFTI INCLINOMETRY LIST

Meas. Tie Depth : 150.0 M True Vert. Tie Depth: 150.0 M

Measured Depth (M)	Deviation (DEG)	Azimuth (DEG)	True Vertical Depth (M)
150.0	0.00	0.00	150.0
226.2	0.42	43.55	226.2
255.1	0.96	220.96	255.1
284.0	2.66	155.31	284.0
313.0	2.14	162.30	312.9

341.9	3.55	171.66	341.8
370.8	3.93	170.22	370.7
399.8	3.24	173.19	399.6
428.7	4.39	168.71	428.5
457.6	2.85	179.35	457.3
486.6	3.24	186.06	486.2
515.5	2.78	184.56	515.1
544.5	1.80	179.31	544.1
573.4	3.58	179.65	572.9
602.0	3.46	176.60	601.5
647.1	4.90	175.52	646.5
676.1	7.93	161.08	675.2
705.0	10.98	147.04	703.8
733.9	13.71	145.38	732.0
762.9	15.72	147.39	760.0
791.8	19.87	149.32	787.6
819.8	23.63	149.63	813.5
848.7	27.19	147.27	839.7
877.2	30.34	145.99	864.6
905.6	32.85	145.70	888.9
934.5	35.16	144.33	912.8
963.5	37.68	144.11	936.1
992.4	40.93	147.56	958.5
1021.3	43.93	149.18	979.9
1050.3	46.85	148.81	1000.2
1079.2	47.35	148.05	1019.9
1108.2	48.49	146.90	1039.3
1137.2	46.18	146.53	1058.9
1166.1	45.93	146.35	1079.0
1195.0	46.58	146.75	1099.0
1224.0	46.96	146.70	1118.9
1252.9	47.22	147.01	1138.5
1281.4	47.41	145.81	1157.9
1310.3	47.20	144.90	1177.5
1339.3	47.38	145.08	1197.1
1368.2	47.81	145.07	1216.6
1397.1	47.46	145.19	1236.1
1426.1	46.36	145.56	1255.9
1455.0	46.10	146.53	1275.9
1483.7	45.78	146.61	1295.8
1512.2	45.74	146.90	1315.7
1540.6	46.03	147.73	1335.5
1569.6	46.93	149.41	1355.5
1598.6	47.23	149.29	1375.2
1627.5	47.18	149.29	1394.9
1656.4	47.34	148.93	1414.4
1685.3	47.39	148.74	1434.1
1713.5	47.55	148.35	1453.1
1742.0	48.02	146.65	1472.3
1770.5	47.79	145.26	1491.3
1799.0	47.53	144.71	1510.6
1827.5	47.62	144.67	1529.8
1856.5	46.37	144.65	1549.5
1885.3	47.16	145.68	1569.3
1914.2	45.88	145.05	1589.2
1943.2	45.66	145.11	1609.4
1972.1	46.19	144.68	1629.5
2001.1	46.59	145.31	1649.5
2030.0	47.13	146.73	1669.3
2059.0	47.10	147.37	1689.0
2087.9	47.47	146.74	1708.6

2116.8	47.42	146.02	1728.1
2145.8	47.15	145.56	1747.8
2174.8	46.93	145.41	1767.6
2204.7	47.92	145.40	1787.8
2233.6	47.26	145.40	1807.3
2262.6	47.64	145.57	1826.9
2291.5	47.60	144.17	1846.4
2320.5	47.77	143.79	1865.9
2349.4	47.96	144.40	1885.3
2378.3	47.84	144.18	1904.7
2407.2	47.76	144.38	1924.1
2436.2	47.15	143.88	1943.7
2465.1	46.65	143.70	1963.5
2494.0	46.60	144.36	1983.3
2522.9	46.25	144.47	2003.2
2551.8	46.64	145.01	2023.2
2580.8	46.08	145.26	2043.1
2609.7	45.35	146.13	2063.4
2638.6	44.82	145.33	2083.7
2667.6	44.06	143.92	2104.4
2696.5	43.48	142.57	2125.3
2725.5	42.56	142.25	2146.5
2754.4	41.41	140.26	2168.0
2783.3	40.08	139.76	2189.9
2812.3	39.15	138.60	2212.2
2841.2	38.90	138.64	2234.7
2870.1	38.25	138.34	2257.3
2899.0	37.82	138.19	2280.0
2927.9	36.91	137.68	2303.0
2956.9	36.71	137.53	2326.2
2985.8	36.39	137.01	2349.5
3014.8	34.71	135.83	2373.0
3043.7	32.86	134.17	2397.1
3072.6	32.46	132.91	2421.4
3101.6	31.33	131.55	2446.0
3129.8	29.56	130.15	2470.3
3158.8	28.45	135.63	2495.7
3187.8	28.52	141.23	2521.1
3216.7	28.85	150.16	2546.5

Schlumberger

Sampling @ 2811.0 mMD

MAXIS Field Log

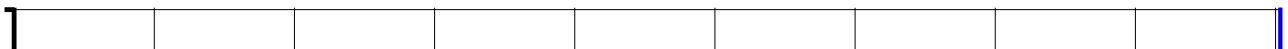
File 125
8−Apr−2006

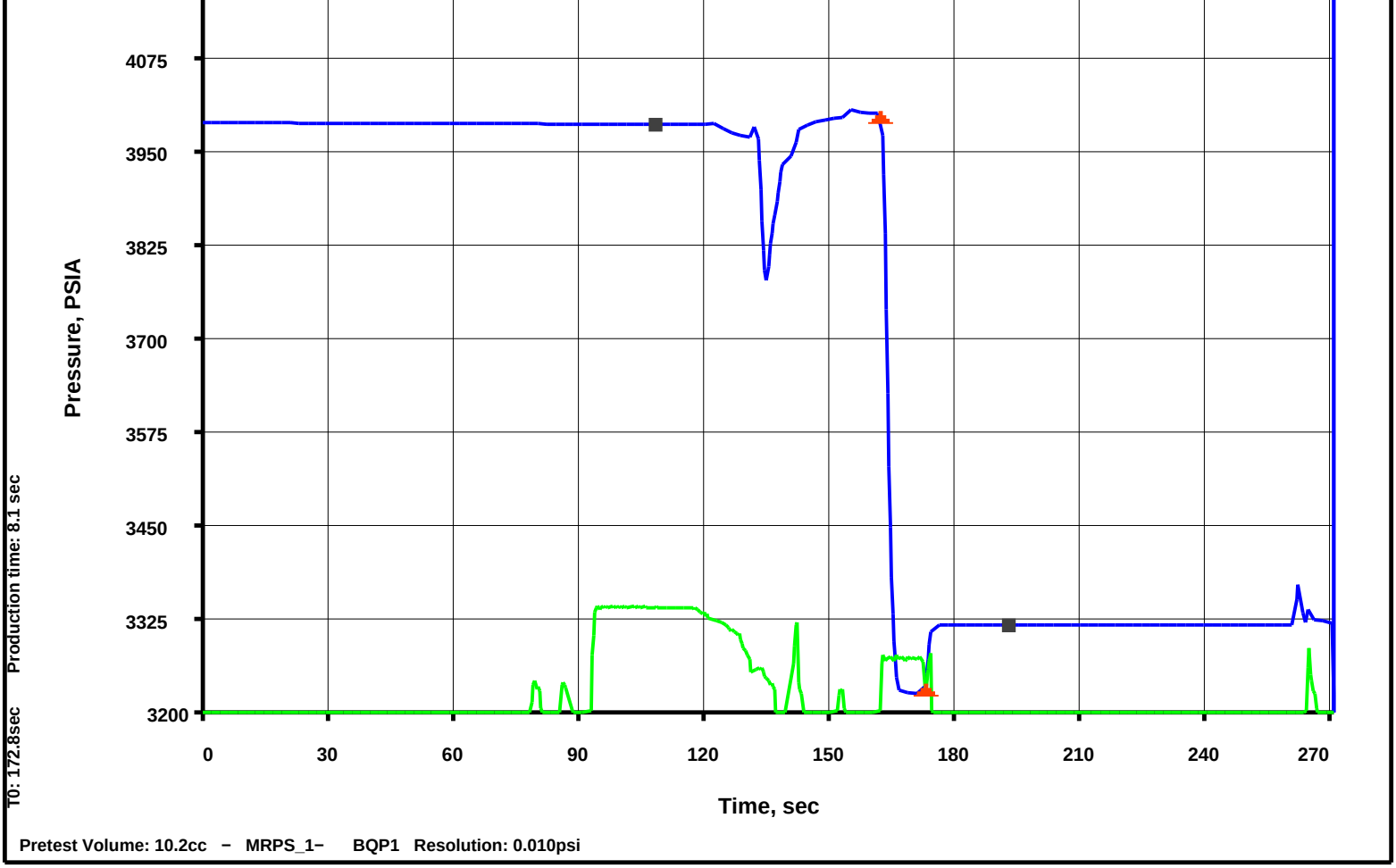
Depth, M: 2811.02
Woodside Energy Ltd
Thylacine South
Thylacine South−1

Volumetric Limited draw−down − Large−Diameter probe

Mud Pressure before test, PSIA: 3984.79
Mud Pressure after test, PSIA:
Last build−up pressure, PSIA: 3316.93
Draw−down mobility, md/cp: 34.7

4200





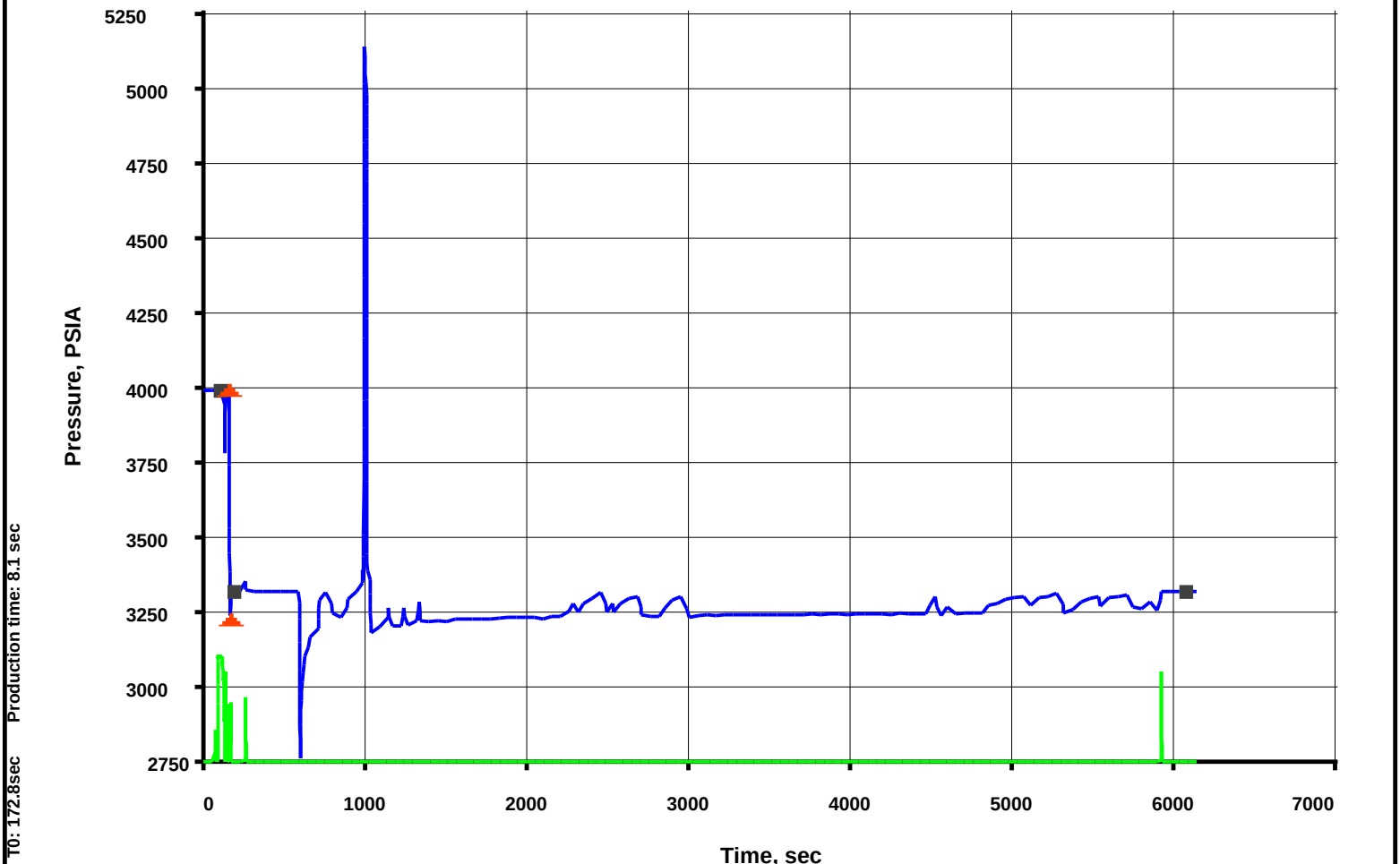
Pretest Volume: 10.2cc − MRPS_1− BQP1 Resolution: 0.010psi

File 125
8−Apr−2006

Depth, M: 2811.02
Woodside Energy Ltd
Thylacine South
Thylacine South−1

Volumetric Limited draw−down − Large−Diameter probe

Mud Pressure before test, PSIA:	3984.79
Mud Pressure after test, PSIA:	
Last build−up pressure, PSIA:	3316.93
Draw−down mobility, md/cp:	34.7



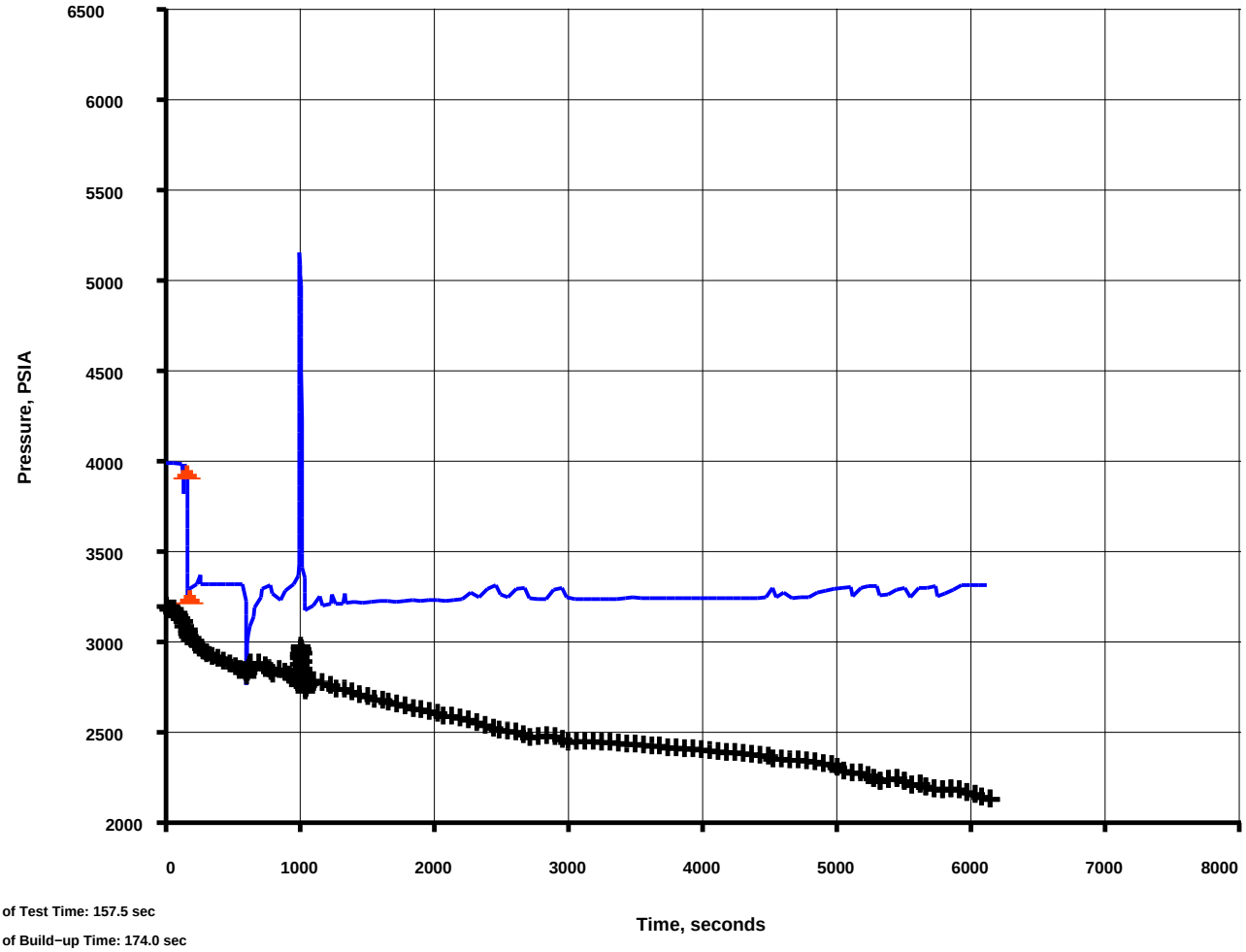
Pretest Volume: 10.2cc – MRPS_1– BQP1 Resolution: 0.010psi

File 125 Probe Depth (BSG1) 2811.0 M TVD 2778.4 M

8–Apr–2005 Woodside Energy Ltd

Thylacine

Thylacine South–1



Start of Test Time: 157.5 sec

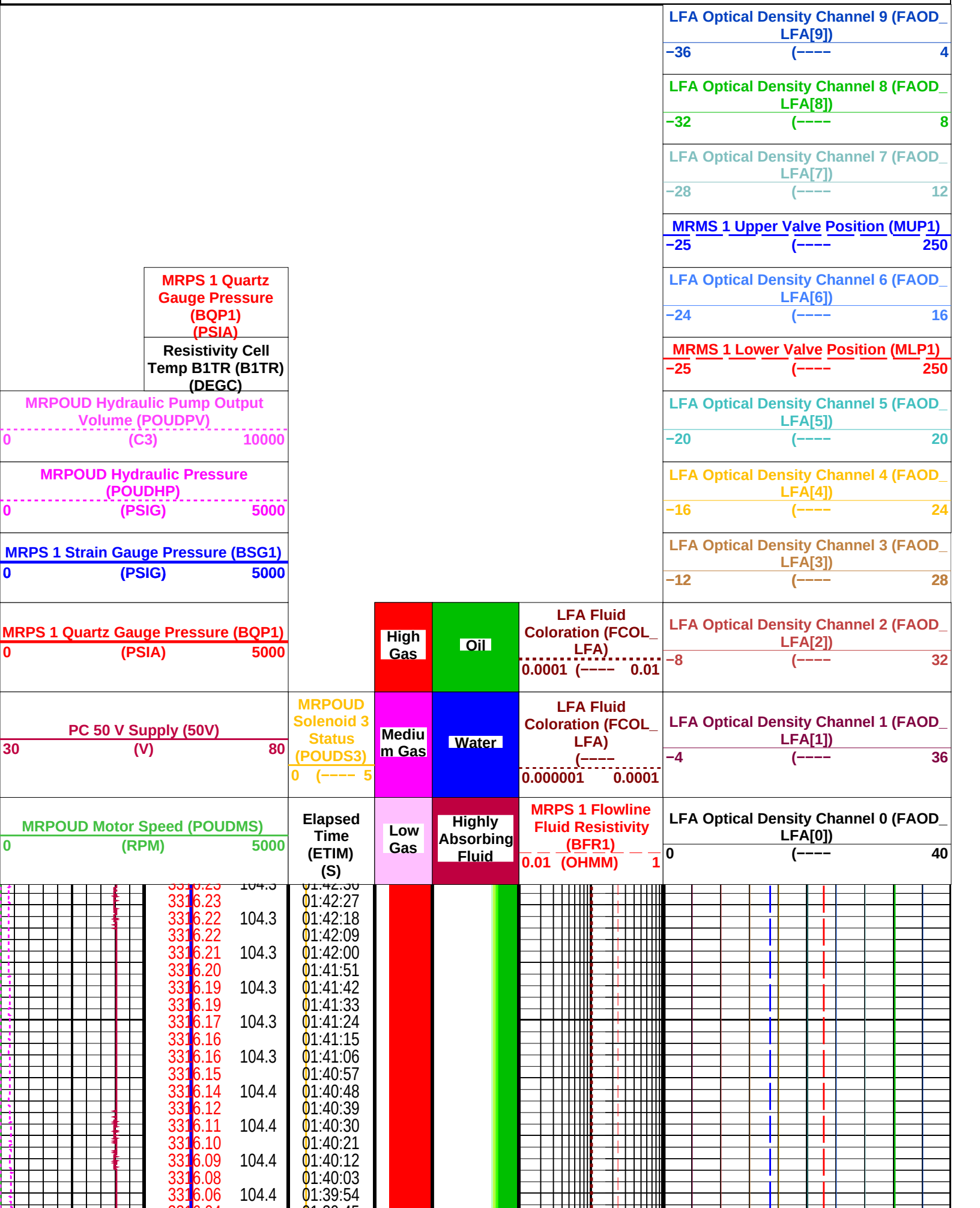
Start of Build–up Time: 174.0 sec

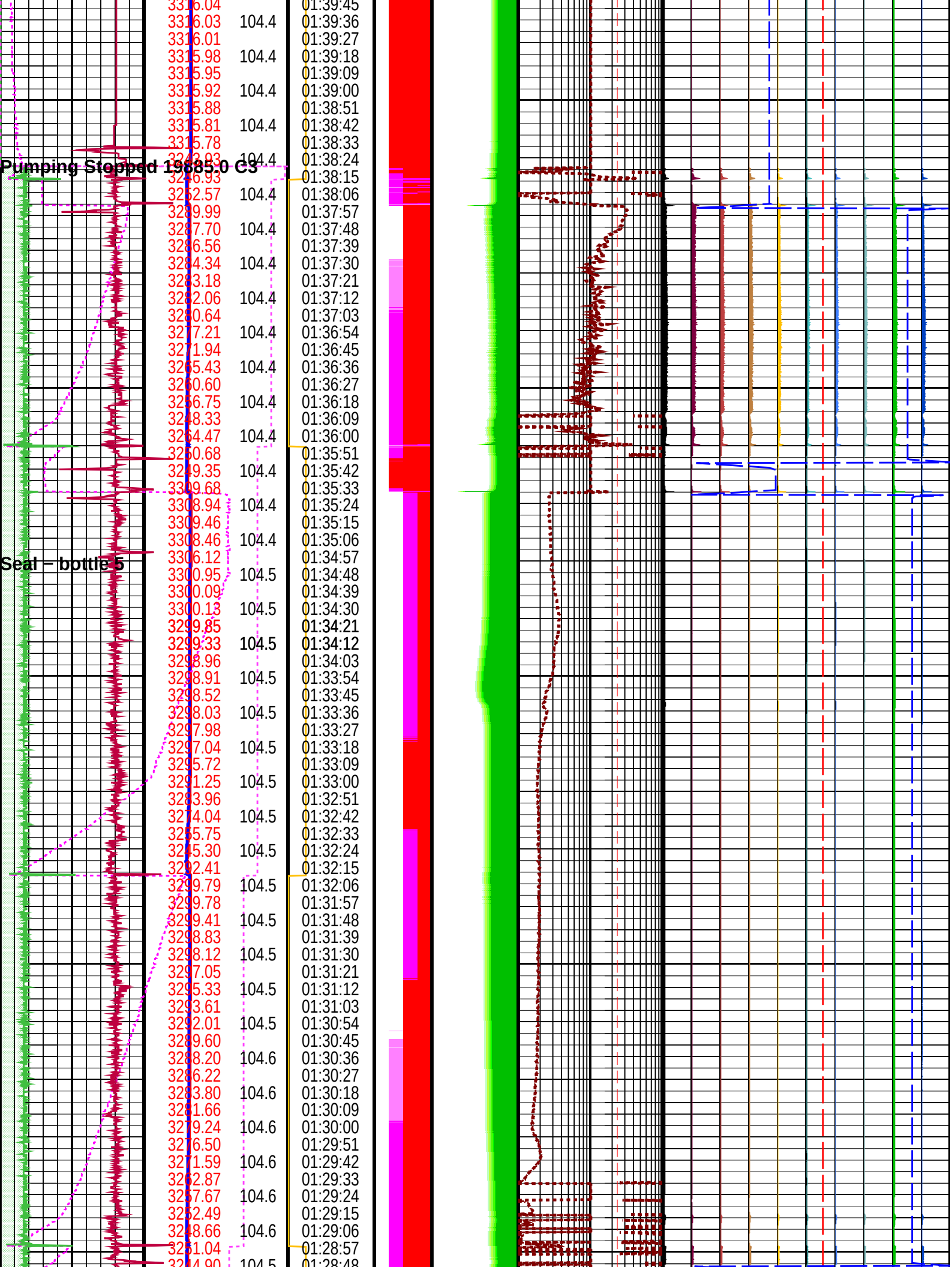
Reference pressure st start of build–up (BSG1) 3982.2 PSIG.

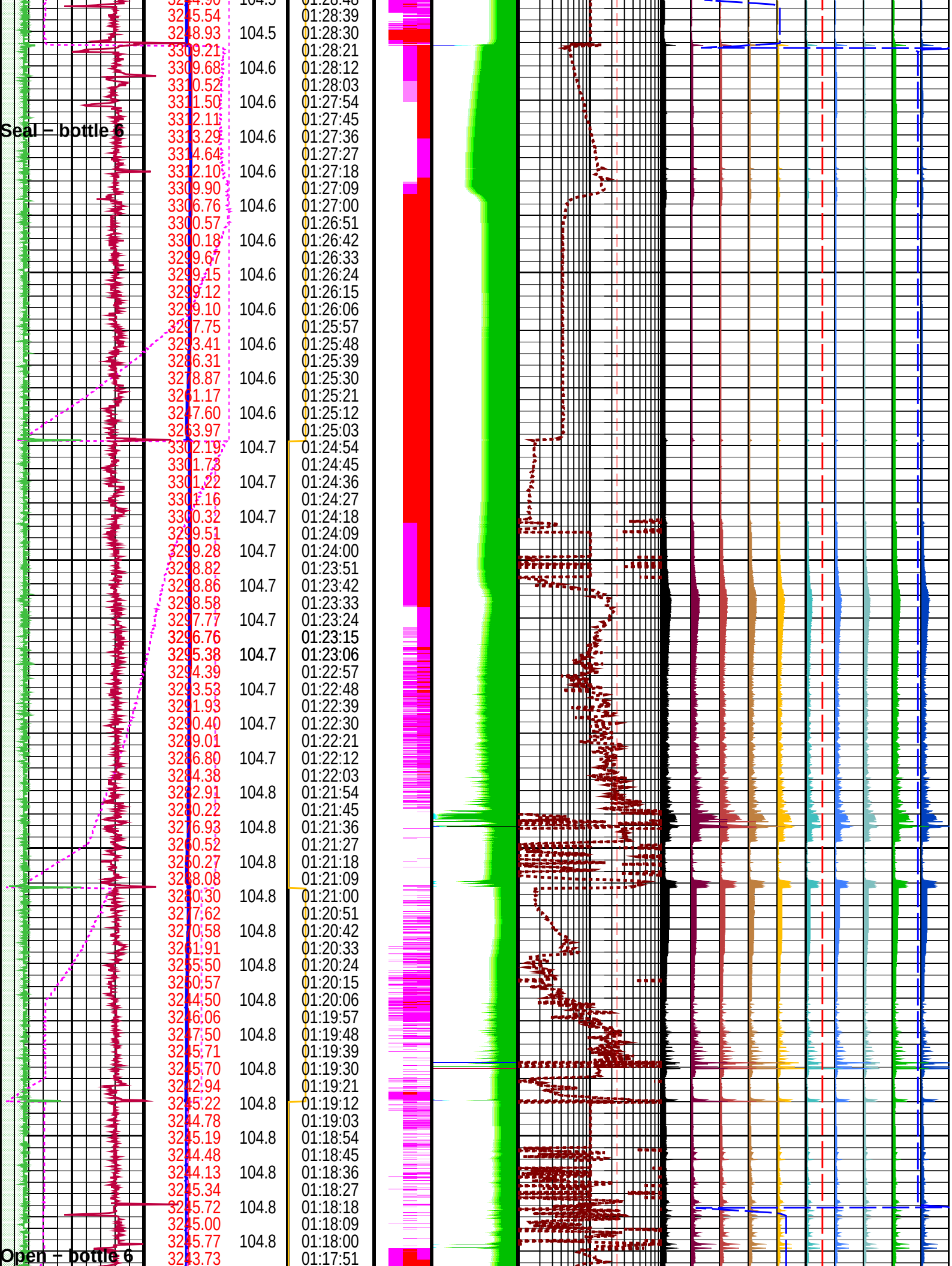
Output DLIS Files

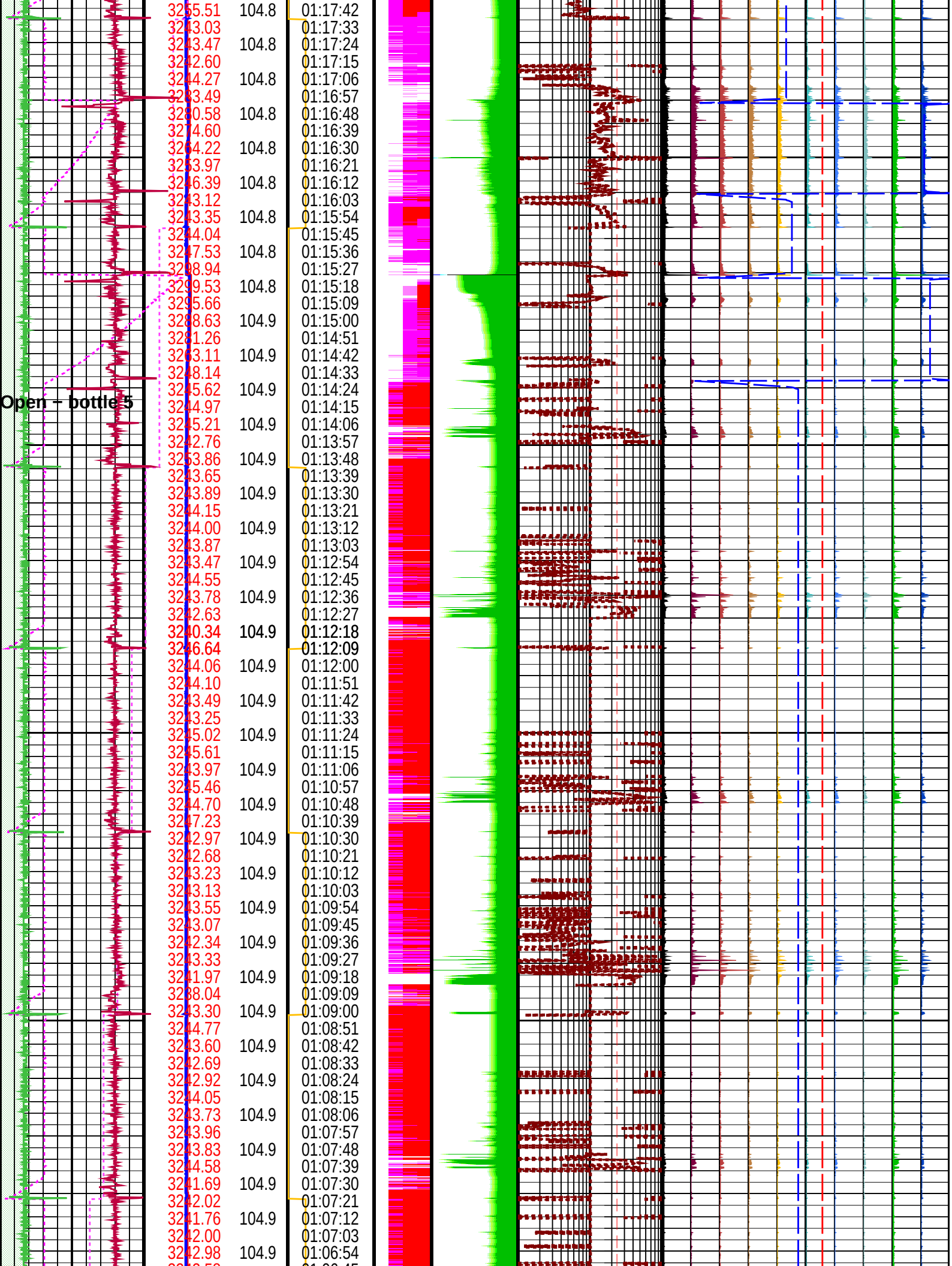
DEFAULT	MDT_OFA_correlation_125LTP	FN:197	PRODUCER	09–Apr–2006 05:38	2811.0 M	15.6 M
MDT_TLC	MDT_OFA_correlation_125LTP	FN:198	PRODUCER	09–Apr–2006 05:39	2811.0 M	15.6 M

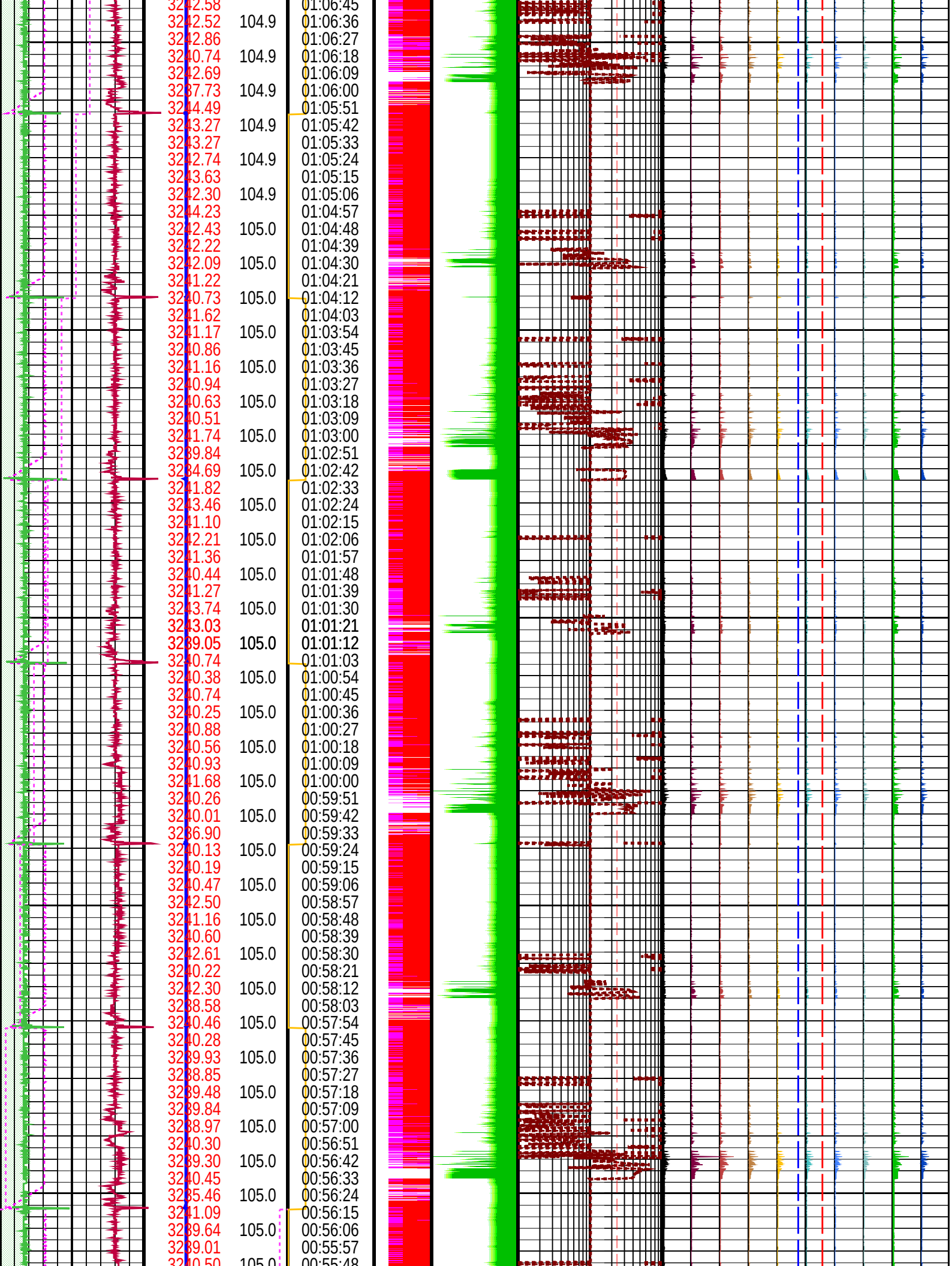
Elapsed Time (s)	Event Summary
5904.0	Pumping Stopped 19885.0 C3 Dual Up–down Pumpout Module (MRPOUD)
5697.0	Seal MDT Multi–Sample (MRMS) 1, bottle 5
5262.9	Seal MDT Multi–Sample (MRMS) 1, bottle 6
4676.1	Open MDT Multi–Sample (MRMS) 1, bottle 6, sample number = 5
4461.3	Open MDT Multi–Sample (MRMS) 1, bottle 5, sample number = 5
2467.2	Seal MDT Multi–Sample (MRMS) 1, bottle 4
2128.5	Open MDT Multi–Sample (MRMS) 1, bottle 4, sample number = 4
1028.7	Pump Up Started Dual Up–down Pumpout Module (MRPOUD)
968.1	Pumping Stopped 4365.0 C3 Dual Up–down Pumpout Module (MRPOUD)
325.5	Pump Up Started Dual Up–down Pumpout Module (MRPOUD)
157.5	Vert Pretest 10.2 cc @ 60 C3/M Single Probe Module (MRPS) 1
88.8	Probe Set @ 2811.0 M Single Probe Module (MRPS) 1


LFA Optical Density Channel 9 (FAOD_LFA[9])
−36 (−−−− 4
LFA Optical Density Channel 8 (FAOD_LFA[8])
−32 (−−−− 8
LFA Optical Density Channel 7 (FAOD_LFA[7])
−28 (−−−− 12
MRMS 1 Upper Valve Position (MUP1)
−25 (−−−− 250
LFA Optical Density Channel 6 (FAOD_LFA[6])
−24 (−−−− 16
MRMS 1 Lower Valve Position (MLP1)
−25 (−−−− 250
LFA Optical Density Channel 5 (FAOD_LFA[5])
−20 (−−−− 20
LFA Optical Density Channel 4 (FAOD_LFA[4])
−16 (−−−− 24
LFA Optical Density Channel 3 (FAOD_LFA[3])
−12 (−−−− 28
LFA Optical Density Channel 2 (FAOD_LFA[2])
−8 (−−−− 32
LFA Optical Density Channel 1 (FAOD_LFA[1])
−4 (−−−− 36
LFA Optical Density Channel 0 (FAOD_LFA[0])
0 (−−−− 40
MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
Resistivity Cell Temp B1TR (B1TR) (DEGC)
MRPOUD Hydraulic Pump Output Volume (POUDPV)
0 (C3) 10000
MRPOUD Hydraulic Pressure (POUDHP)
0 (PSIG) 5000
MRPS 1 Strain Gauge Pressure (BSG1)
0 (PSIG) 5000
MRPS 1 Quartz Gauge Pressure (BQP1)
0 (PSIA) 5000
High Gas
Oil
LFA Fluid Coloration (FCOL_LFA)
0.0001 (−−−− 0.01
PC 50 V Supply (50V)
30 (V) 80
MRPOUD Solenoid 3 Status (POUDS3)
0 (−−−− 5
Medium Gas
Water
LFA Fluid Coloration (FCOL_LFA) (−−−−
0.000001 0.0001
MRPOUD Motor Speed (POUDMS)
0 (RPM) 5000
Elapsed Time (ETIM) (S)
Low Gas
Highly Absorbing Fluid
MRPS 1 Flowline Fluid Resistivity (BFR1)
0.01 (OHMM) 1
3316.23 01:42:27
3316.22 104.3 01:42:18
3316.22 01:42:09
3316.21 104.3 01:42:00
3316.20 01:41:51
3316.19 104.3 01:41:42
3316.19 01:41:33
3316.17 104.3 01:41:24
3316.16 01:41:15
3316.16 104.3 01:41:06
3316.15 01:40:57
3316.14 104.4 01:40:48
3316.12 01:40:39
3316.11 104.4 01:40:30
3316.10 01:40:21
3316.09 104.4 01:40:12
3316.08 01:40:03
3316.06 104.4 01:39:54


Pumping Stopped 19685.0 C3
Seal – bottle 5


Seal − bottle 6
Open + bottle 6


3255.51 104.8 01:17:42
3243.03 01:17:33
3243.47 104.8 01:17:24
3242.60 01:17:15
3244.27 104.8 01:17:06
3283.49 01:16:57
3280.58 104.8 01:16:48
3274.60 01:16:39
3264.22 104.8 01:16:30
3253.97 01:16:21
3246.39 104.8 01:16:12
3243.12 01:16:03
3243.35 104.8 01:15:54
3244.04 01:15:45
3247.53 104.8 01:15:36
3298.94 01:15:27
3299.53 104.8 01:15:18
3295.66 01:15:09
3288.63 104.9 01:15:00
3281.26 01:14:51
3263.11 104.9 01:14:42
3248.14 01:14:33
3245.62 104.9 01:14:24
Open – bottle 5
3244.97 01:14:15
3245.21 104.9 01:14:06
3242.76 01:13:57
3253.86 104.9 01:13:48
3243.65 01:13:39
3243.89 104.9 01:13:30
3244.15 01:13:21
3244.00 104.9 01:13:12
3243.87 01:13:03
3243.47 104.9 01:12:54
3244.55 01:12:45
3243.78 104.9 01:12:36
3242.63 01:12:27
3240.34 104.9 01:12:18
3246.64 01:12:09
3244.06 104.9 01:12:00
3244.10 01:11:51
3243.49 104.9 01:11:42
3243.25 01:11:33
3245.02 104.9 01:11:24
3245.61 01:11:15
3243.97 104.9 01:11:06
3245.46 01:10:57
3244.70 104.9 01:10:48
3247.23 01:10:39
3242.97 104.9 01:10:30
3242.68 01:10:21
3243.23 104.9 01:10:12
3243.13 01:10:03
3243.55 104.9 01:09:54
3243.07 01:09:45
3242.34 104.9 01:09:36
3243.33 01:09:27
3241.97 104.9 01:09:18
3238.04 01:09:09
3243.30 104.9 01:09:00
3244.77 01:08:51
3243.60 104.9 01:08:42
3242.69 01:08:33
3242.92 104.9 01:08:24
3244.05 01:08:15
3243.73 104.9 01:08:06
3243.96 01:07:57
3243.83 104.9 01:07:48
3244.58 01:07:39
3241.69 104.9 01:07:30
3242.02 01:07:21
3241.76 104.9 01:07:12
3242.00 01:07:03
3242.98 104.9 01:06:54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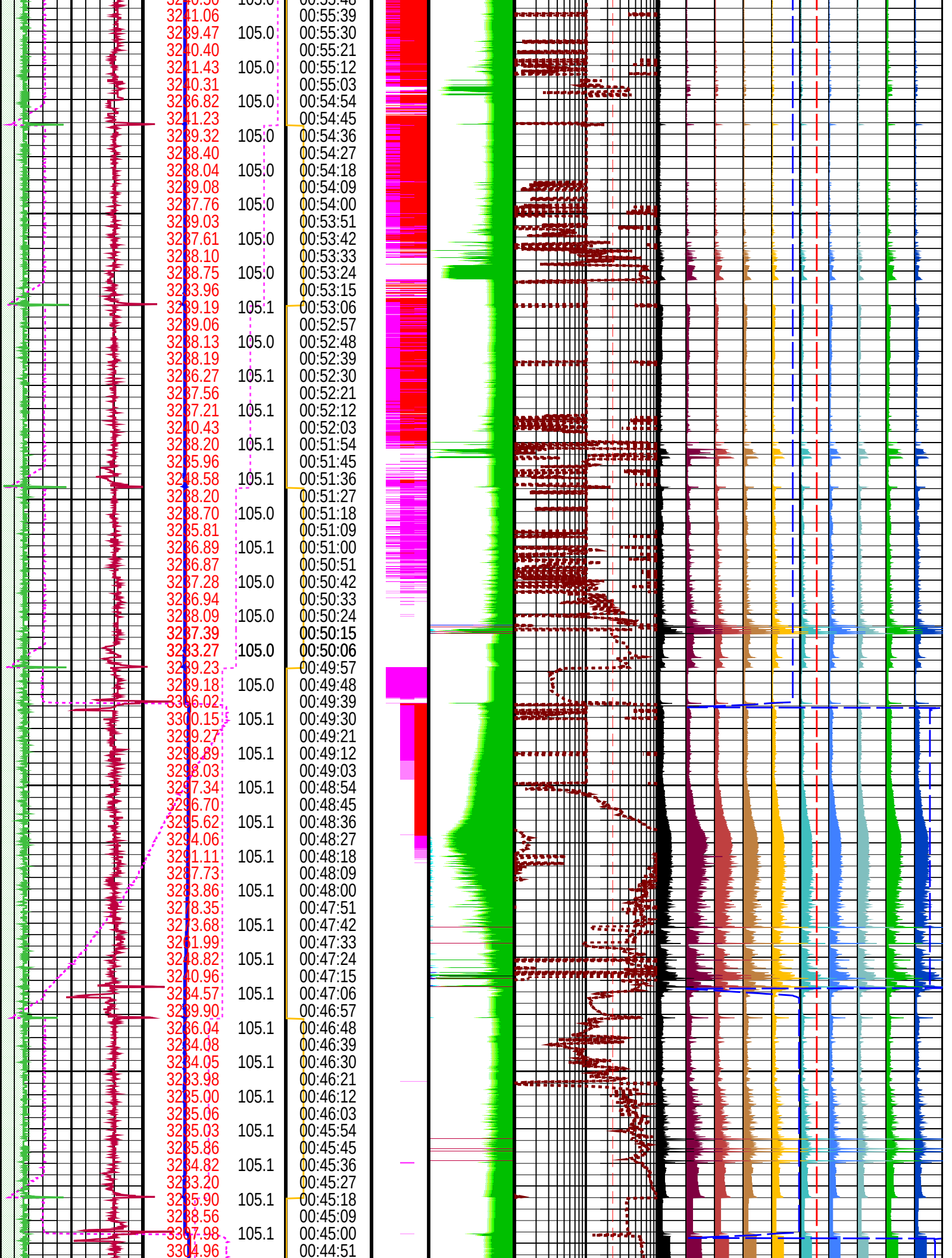
3242.52 104.9 01:06:36
3242.86 01:06:27
3240.74 104.9 01:06:18
3242.69 01:06:09
3237.73 104.9 01:06:00
3244.49 01:05:51
3243.27 104.9 01:05:42
3243.27 01:05:33
3242.74 104.9 01:05:24
3243.63 01:05:15
3242.30 104.9 01:05:06
3244.23 01:04:57
3242.43 105.0 01:04:48
3242.22 01:04:39
3242.09 105.0 01:04:30
3241.22 01:04:21
3240.73 105.0 01:04:12
3241.62 01:04:03
3241.17 105.0 01:03:54
3240.86 01:03:45
3241.16 105.0 01:03:36
3240.94 01:03:27
3240.63 105.0 01:03:18
3240.51 01:03:09
3241.74 105.0 01:03:00
3239.84 01:02:51
3234.69 105.0 01:02:42
3241.82 01:02:33
3243.46 105.0 01:02:24
3241.10 01:02:15
3242.21 105.0 01:02:06
3241.36 01:01:57
3240.44 105.0 01:01:48
3241.27 01:01:39
3243.74 105.0 01:01:30
3243.03 01:01:21
3239.05 105.0 01:01:12
3240.74 01:01:03
3240.38 105.0 01:00:54
3240.74 01:00:45
3240.25 105.0 01:00:36
3240.88 01:00:27
3240.56 105.0 01:00:18
3240.93 01:00:09
3241.68 105.0 01:00:00
3240.26 00:59:51
3240.01 105.0 00:59:42
3236.90 00:59:33
3240.13 105.0 00:59:24
3240.19 00:59:15
3240.47 105.0 00:59:06
3242.50 00:58:57
3241.16 105.0 00:58:48
3240.60 00:58:39
3242.61 105.0 00:58:30
3240.22 00:58:21
3242.30 105.0 00:58:12
3238.58 00:58:03
3240.46 105.0 00:57:54
3240.28 00:57:45
3239.93 105.0 00:57:36
3238.85 00:57:27
3239.48 105.0 00:57:18
3239.84 00:57:09
3238.97 105.0 00:57:00
3240.30 00:56:51
3239.30 105.0 00:56:42
3240.45 00:56:33
3235.46 105.0 00:56:24
3241.09 00:56:15
3239.64 105.0 00:56:06
3239.01 00:55:57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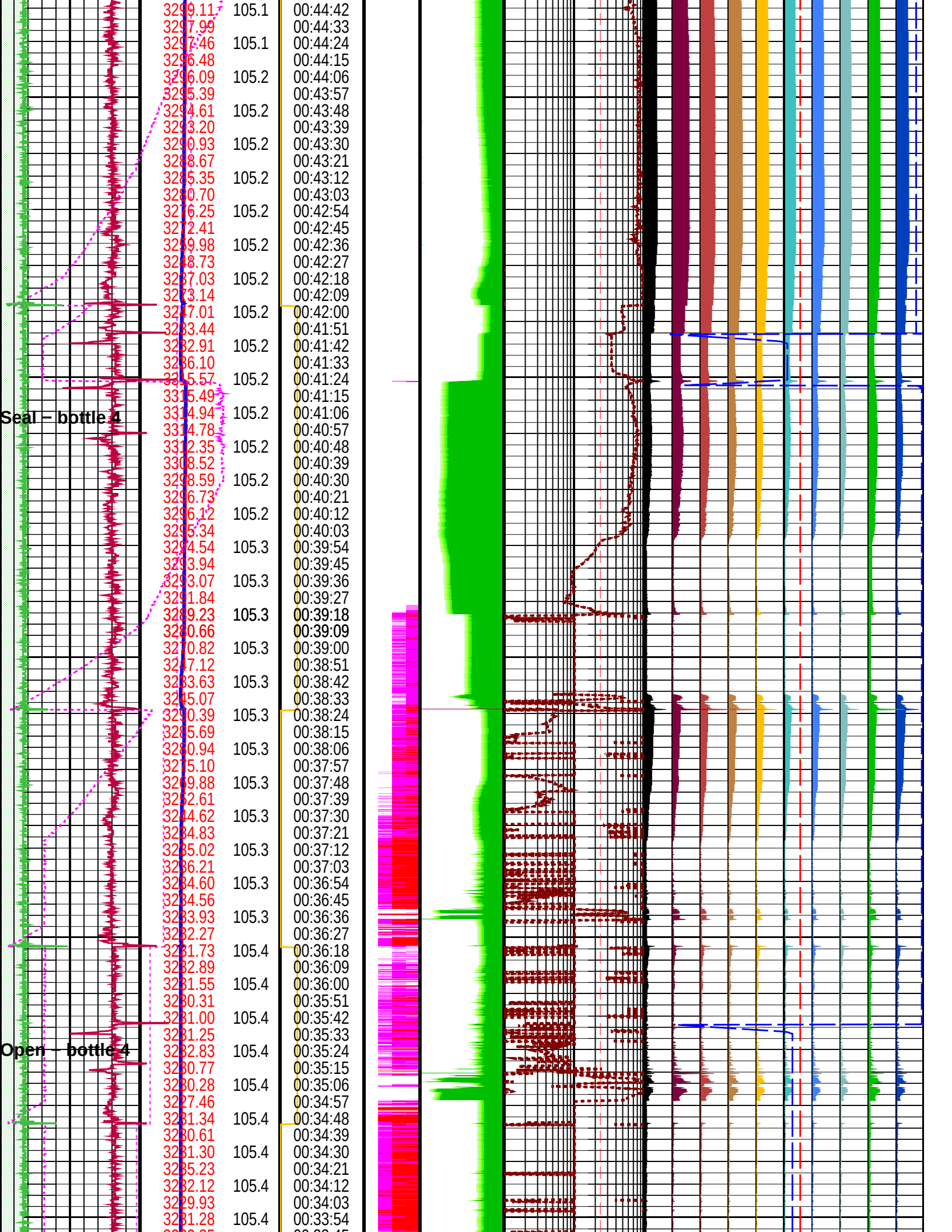
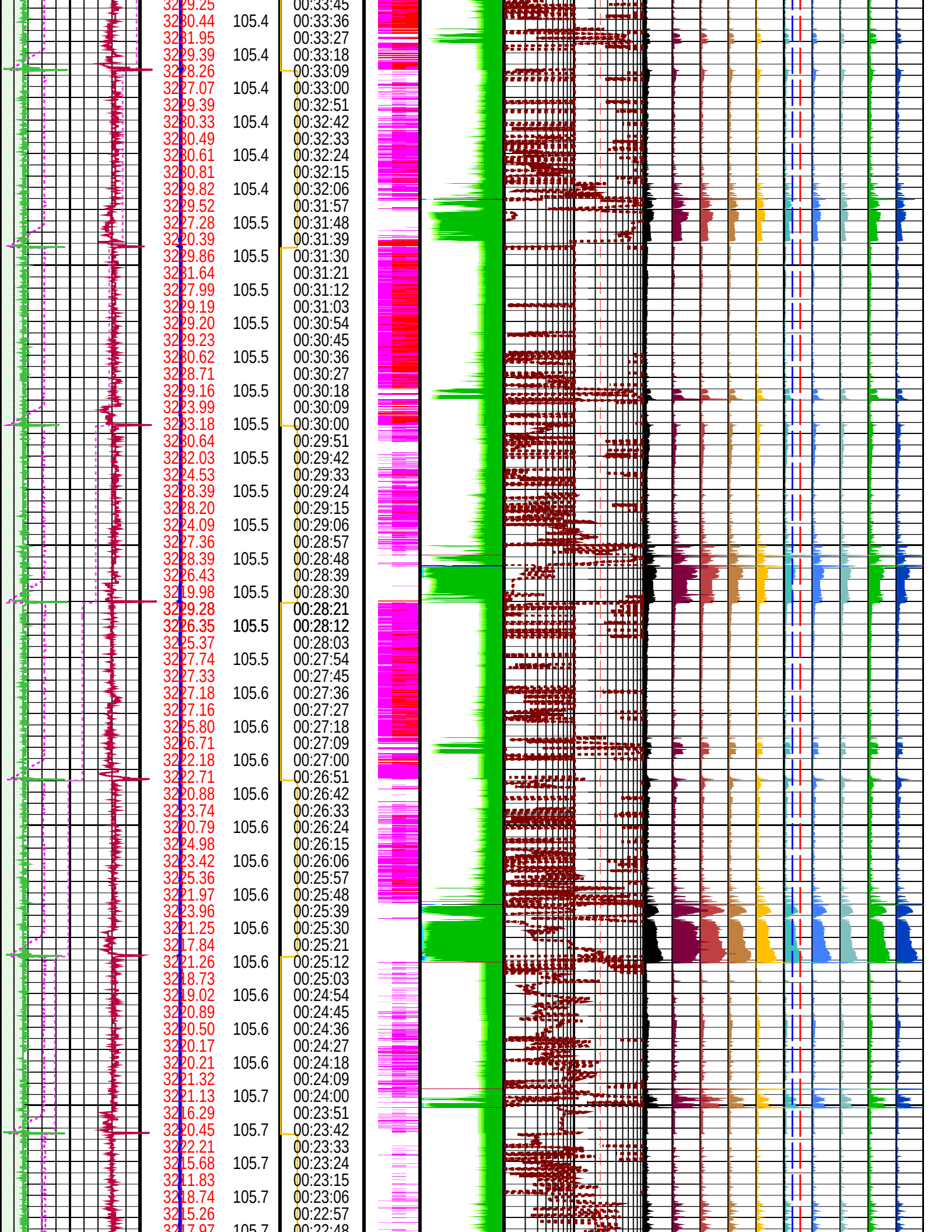
3239.47 105.0 00:55:30
3240.40 00:55:21
3241.43 105.0 00:55:12
3240.31 00:55:03
3236.82 105.0 00:54:54
3241.23 00:54:45
3239.32 105.0 00:54:36
3238.40 00:54:27
3238.04 105.0 00:54:18
3239.08 00:54:09
3237.76 105.0 00:54:00
3239.03 00:53:51
3237.61 105.0 00:53:42
3238.10 00:53:33
3238.75 105.0 00:53:24
3233.96 00:53:15
3239.19 105.1 00:53:06
3239.06 00:52:57
3238.13 105.0 00:52:48
3238.19 00:52:39
3236.27 105.1 00:52:30
3237.56 00:52:21
3237.21 105.1 00:52:12
3240.43 00:52:03
3238.20 105.1 00:51:54
3235.96 00:51:45
3248.58 105.1 00:51:36
3238.20 00:51:27
3238.70 105.0 00:51:18
3235.81 00:51:09
3236.89 105.1 00:51:00
3236.87 00:50:51
3237.28 105.0 00:50:42
3236.94 00:50:33
3238.09 105.0 00:50:24
3237.39 00:50:15
3233.27 105.0 00:50:06
3239.23 00:49:57
3239.18 105.0 00:49:48
3306.02 00:49:39
3300.15 105.1 00:49:30
3299.27 00:49:21
3298.89 105.1 00:49:12
3298.03 00:49:03
3297.34 105.1 00:48:54
3296.70 00:48:45
3295.62 105.1 00:48:36
3294.06 00:48:27
3291.11 105.1 00:48:18
3287.73 00:48:09
3283.86 105.1 00:48:00
3278.35 00:47:51
3273.68 105.1 00:47:42
3261.99 00:47:33
3248.82 105.1 00:47:24
3240.96 00:47:15
3234.57 105.1 00:47:06
3239.90 00:46:57
3236.04 105.1 00:46:48
3234.08 00:46:39
3234.05 105.1 00:46:30
3233.98 00:46:21
3235.00 105.1 00:46:12
3235.06 00:46:03
3235.03 105.1 00:45:54
3235.86 00:45:45
3234.82 105.1 00:45:36
3233.20 00:45:27
3235.90 105.1 00:45:18
3238.56 00:45:09
3307.98 105.1 00:45:00
3304.96 00:44:51


3299.11 105.1 00:44:42
3297.99 00:44:33
3297.46 105.1 00:44:24
3296.48 00:44:15
3296.09 105.2 00:44:06
3295.39 00:43:57
3294.61 105.2 00:43:48
3293.20 00:43:39
3290.93 105.2 00:43:30
3288.67 00:43:21
3285.35 105.2 00:43:12
3280.70 00:43:03
3276.25 105.2 00:42:54
3272.41 00:42:45
3269.98 105.2 00:42:36
3268.73 00:42:27
3267.03 105.2 00:42:18
3263.14 00:42:09
3247.01 105.2 00:42:00
3243.44 00:41:51
3242.91 105.2 00:41:42
3236.10 00:41:33
3235.57 105.2 00:41:24
3315.49 00:41:15
Seal – bottle 4
3314.94 105.2 00:41:06
3314.78 00:40:57
3312.35 105.2 00:40:48
3308.52 00:40:39
3298.59 105.2 00:40:30
3296.73 00:40:21
3296.12 105.2 00:40:12
3295.34 00:40:03
3294.54 105.3 00:39:54
3293.94 00:39:45
3293.07 105.3 00:39:36
3291.84 00:39:27
3289.23 105.3 00:39:18
3280.66 00:39:09
3270.82 105.3 00:39:00
3247.12 00:38:51
3243.63 105.3 00:38:42
3245.07 00:38:33
3240.39 105.3 00:38:24
3285.69 00:38:15
3280.94 105.3 00:38:06
3275.10 00:37:57
3269.88 105.3 00:37:48
3252.61 00:37:39
3244.62 105.3 00:37:30
3234.83 00:37:21
3235.02 105.3 00:37:12
3236.21 00:37:03
3234.60 105.3 00:36:54
3234.56 00:36:45
3233.93 105.3 00:36:36
3232.27 00:36:27
3231.73 105.4 00:36:18
3232.89 00:36:09
3231.55 105.4 00:36:00
3230.31 00:35:51
3231.00 105.4 00:35:42
3231.25 00:35:33
Open – bottle 4
3232.83 105.4 00:35:24
3230.77 00:35:15
3230.28 105.4 00:35:06
3227.46 00:34:57
3231.34 105.4 00:34:48
3230.61 00:34:39
3231.30 105.4 00:34:30
3235.23 00:34:21
3232.12 105.4 00:34:12
3229.93 00:34:03
3231.28 105.4 00:33:54


3229.25 00:33:45
3230.44 105.4 00:33:36
3231.95 00:33:27
3229.39 105.4 00:33:18
3228.26 00:33:09
3227.07 105.4 00:33:00
3229.39 00:32:51
3230.33 105.4 00:32:42
3230.49 00:32:33
3230.61 105.4 00:32:24
3230.81 00:32:15
3229.82 105.4 00:32:06
3229.52 00:31:57
3227.28 105.5 00:31:48
3220.39 00:31:39
3229.86 105.5 00:31:30
3231.64 00:31:21
3227.99 105.5 00:31:12
3229.19 00:31:03
3229.20 105.5 00:30:54
3229.23 00:30:45
3230.62 105.5 00:30:36
3228.71 00:30:27
3229.16 105.5 00:30:18
3223.99 00:30:09
3233.18 105.5 00:30:00
3230.64 00:29:51
3232.03 105.5 00:29:42
3224.53 00:29:33
3228.39 105.5 00:29:24
3228.20 00:29:15
3224.09 105.5 00:29:06
3227.36 00:28:57
3228.39 105.5 00:28:48
3226.43 00:28:39
3219.98 105.5 00:28:30
3229.28 00:28:21
3226.35 105.5 00:28:12
3225.37 00:28:03
3227.74 105.5 00:27:54
3227.33 00:27:45
3227.18 105.6 00:27:36
3227.16 00:27:27
3225.80 105.6 00:27:18
3226.71 00:27:09
3222.18 105.6 00:27:00
3222.71 00:26:51
3220.88 105.6 00:26:42
3223.74 00:26:33
3220.79 105.6 00:26:24
3224.98 00:26:15
3223.42 105.6 00:26:06
3225.36 00:25:57
3221.97 105.6 00:25:48
3223.96 00:25:39
3221.25 105.6 00:25:30
3217.84 00:25:21
3221.26 105.6 00:25:12
3218.73 00:25:03
3219.02 105.6 00:24:54
3220.89 00:24:45
3220.50 105.6 00:24:36
3220.17 00:24:27
3220.21 105.6 00:24:18
3221.32 00:24:09
3221.13 105.7 00:24:00
3216.29 00:23:51
3220.45 105.7 00:23:42
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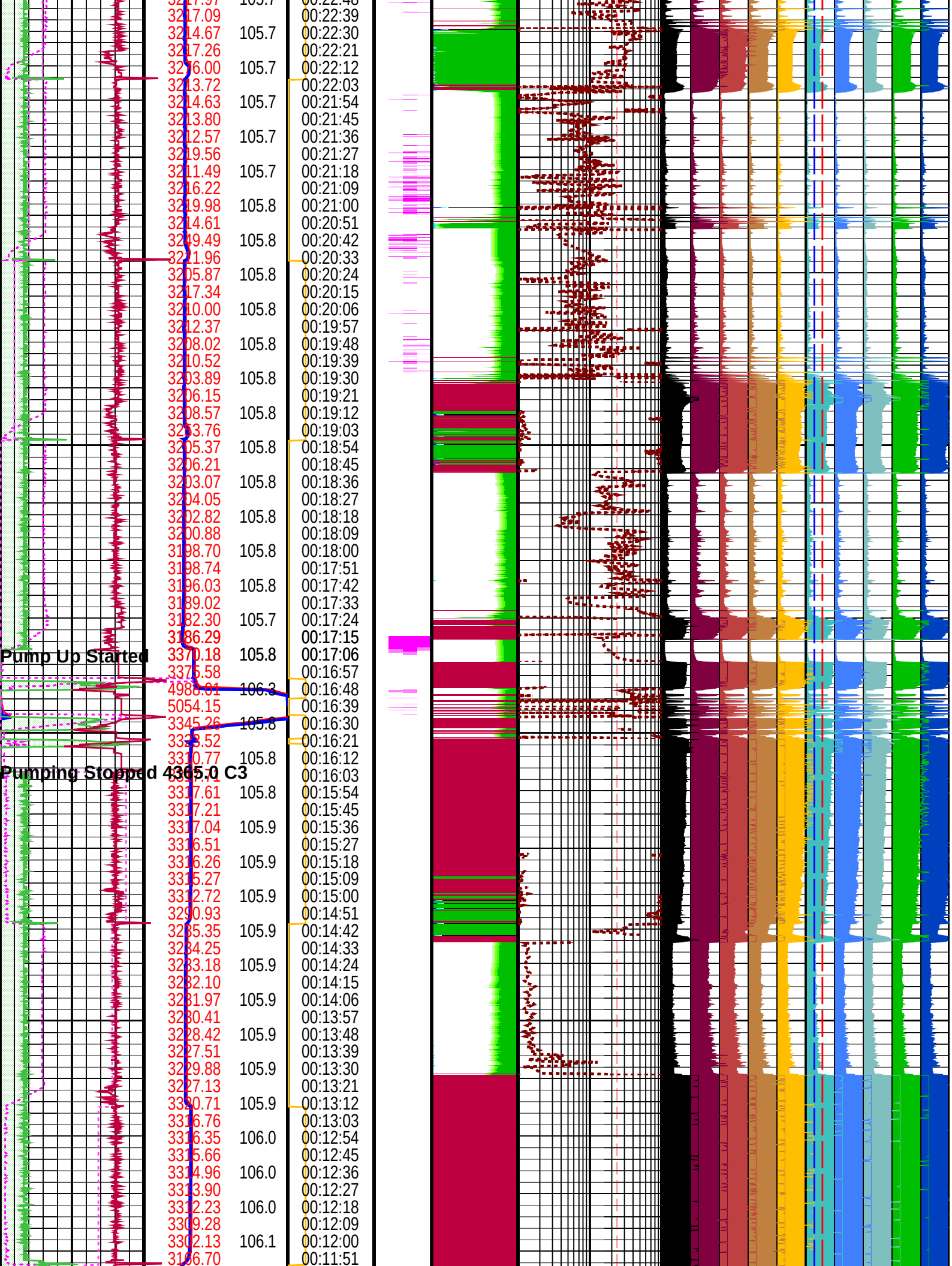
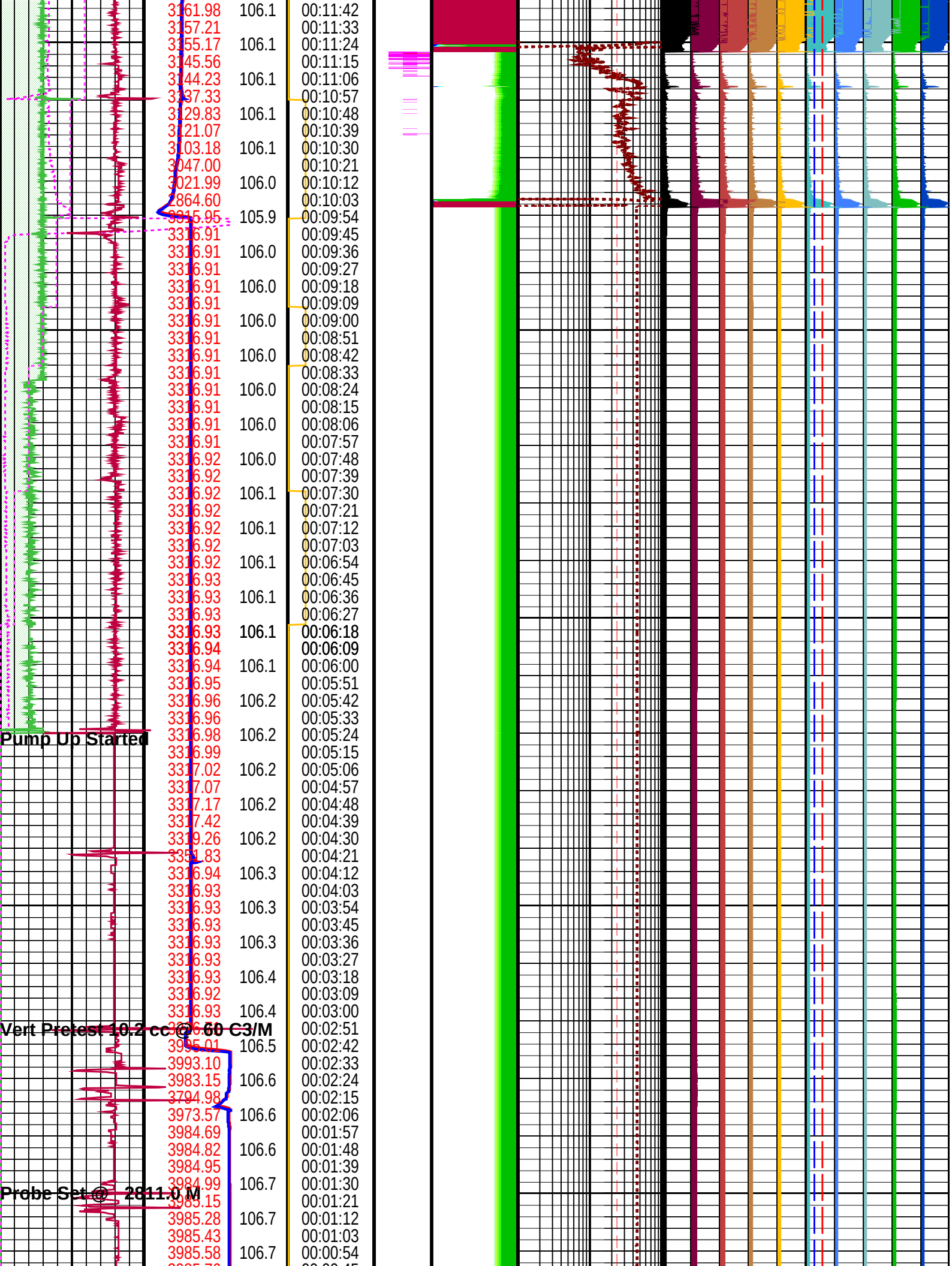
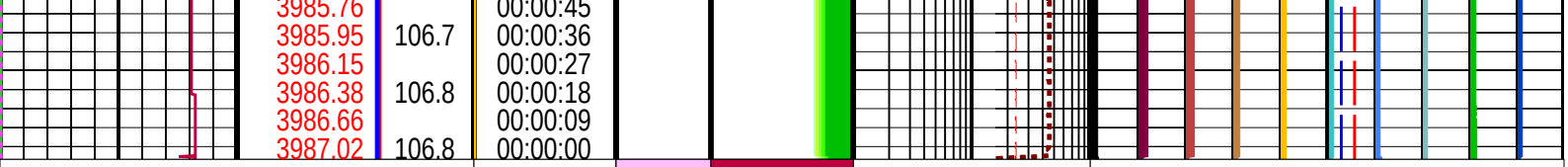
3218.74 105.7 00:23:06
3215.26 00:22:57


Pump Up Started
Pumping Stopped 4365.0 C3


3161.98 106.1 00:11:42
3157.21 00:11:33
3155.17 106.1 00:11:24
3145.56 00:11:15
3144.23 106.1 00:11:06
3137.33 00:10:57
3129.83 106.1 00:10:48
3121.07 00:10:39
3103.18 106.1 00:10:30
3047.00 00:10:21
3021.99 106.0 00:10:12
2864.60 00:10:03
3015.95 105.9 00:09:54
3316.91 00:09:45
3316.91 106.0 00:09:36
3316.91 00:09:27
3316.91 106.0 00:09:18
3316.91 00:09:09
3316.91 106.0 00:09:00
3316.91 00:08:51
3316.91 106.0 00:08:42
3316.91 00:08:33
3316.91 106.0 00:08:24
3316.91 00:08:15
3316.91 106.0 00:08:06
3316.91 00:07:57
3316.92 106.0 00:07:48
3316.92 00:07:39
3316.92 106.1 00:07:30
3316.92 00:07:21
3316.92 106.1 00:07:12
3316.92 00:07:03
3316.92 106.1 00:06:54
3316.93 00:06:45
3316.93 106.1 00:06:36
3316.93 00:06:27
3316.93 106.1 00:06:18
3316.94 00:06:09
3316.94 106.1 00:06:00
3316.95 00:05:51
3316.96 106.2 00:05:42
3316.96 00:05:33
Pump Up Started
3316.98 106.2 00:05:24
3316.99 00:05:15
3317.02 106.2 00:05:06
3317.07 00:04:57
3317.17 106.2 00:04:48
3317.42 00:04:39
3319.26 106.2 00:04:30
3351.83 00:04:21
3316.94 106.3 00:04:12
3316.93 00:04:03
3316.93 106.3 00:03:54
3316.93 00:03:45
3316.93 106.3 00:03:36
3316.93 00:03:27
3316.93 106.4 00:03:18
3316.92 00:03:09
3316.93 106.4 00:03:00
Vert Pretest 10.2 cc @ 60 C3/M
00:02:51
3995.01 106.5 00:02:42
3993.10 00:02:33
3983.15 106.6 00:02:24
3794.98 00:02:15
3973.57 106.6 00:02:06
3984.69 00:01:57
3984.82 106.6 00:01:48
3984.95 00:01:39
3984.99 106.7 00:01:30
Probe Set @ 2811.0 M
3985.15 00:01:21
3985.28 106.7 00:01:12
3985.43 00:01:03
3985.58 106.7 00:00:54



MRPOUD Motor Speed (POUDMS)
0 (RPM) 5000

PC 50 V Supply (50V)
30 (V) 80

MRPS 1 Quartz Gauge Pressure (BQP1)
0 (PSIA) 5000

MRPS 1 Strain Gauge Pressure (BSG1)
0 (PSIG) 5000

MRPOUD Hydraulic Pressure (POUDHP)
0 (PSIG) 5000

MRPOUD Hydraulic Pump Output Volume (POUDPV)
0 (C3) 10000

Resistivity Cell Temp B1TR (B1TR) (DEGC)

MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)

Elapsed Time (ETIM) (S)

MRPOUD Solenoid 3 Status (POUDS3)
0 (---- 5

Low Gas

Medium Gas

High Gas

Highly Absorbing Fluid

Water

Oil

MRPS 1 Flowline Fluid Resistivity (BFR1)
0.01 (OHMM) 1

LFA Fluid Coloration (FCOL_LFA)
(----
0.000001 0.0001

LFA Fluid Coloration (FCOL_LFA)
0.0001 (---- 0.01

LFA Optical Density Channel 0 (FAOD_LFA[0])
0 (---- 40

LFA Optical Density Channel 1 (FAOD_LFA[1])
-4 (---- 36

LFA Optical Density Channel 2 (FAOD_LFA[2])
-8 (---- 32

LFA Optical Density Channel 3 (FAOD_LFA[3])
-12 (---- 28

LFA Optical Density Channel 4 (FAOD_LFA[4])
-16 (---- 24

LFA Optical Density Channel 5 (FAOD_LFA[5])
-20 (---- 20

MRMS 1 Lower Valve Position (MLP1)
-25 (---- 250

LFA Optical Density Channel 6 (FAOD_LFA[6])
-24 (---- 16

MRMS 1 Upper Valve Position (MUP1)
-25 (---- 250

LFA Optical Density Channel 7 (FAOD_LFA[7])
-28 (---- 12

LFA Optical Density Channel 8 (FAOD_LFA[8])
-32 (---- 8

LFA Optical Density Channel 9 (FAOD_LFA[9])
-36 (---- 4

Format: LFA_Station_with_MRPS-1 Vertical Scale: 1" per 60S Graphics File Created: 09-Apr-2006 05:38

OP System Version: 14C0-302

MCM

MRPS_1	unofficial	MRHY_1	unofficial
MRPO_UD	unofficial	LFA	unofficial
MRMS_1	unofficial	MRPC	unofficial
SGT-L	unofficial	TCC-B	unofficial
ACTS-B1	unofficial		

Output DLIS Files

DEFAULT	MDT_OFA_correlation_125LTP	FN:197	PRODUCER	09-Apr-2006 05:38
MDT_TLC	MDT_OFA_correlation_125LTP	FN:198	PRODUCER	09-Apr-2006 05:39

Output DLIS Files

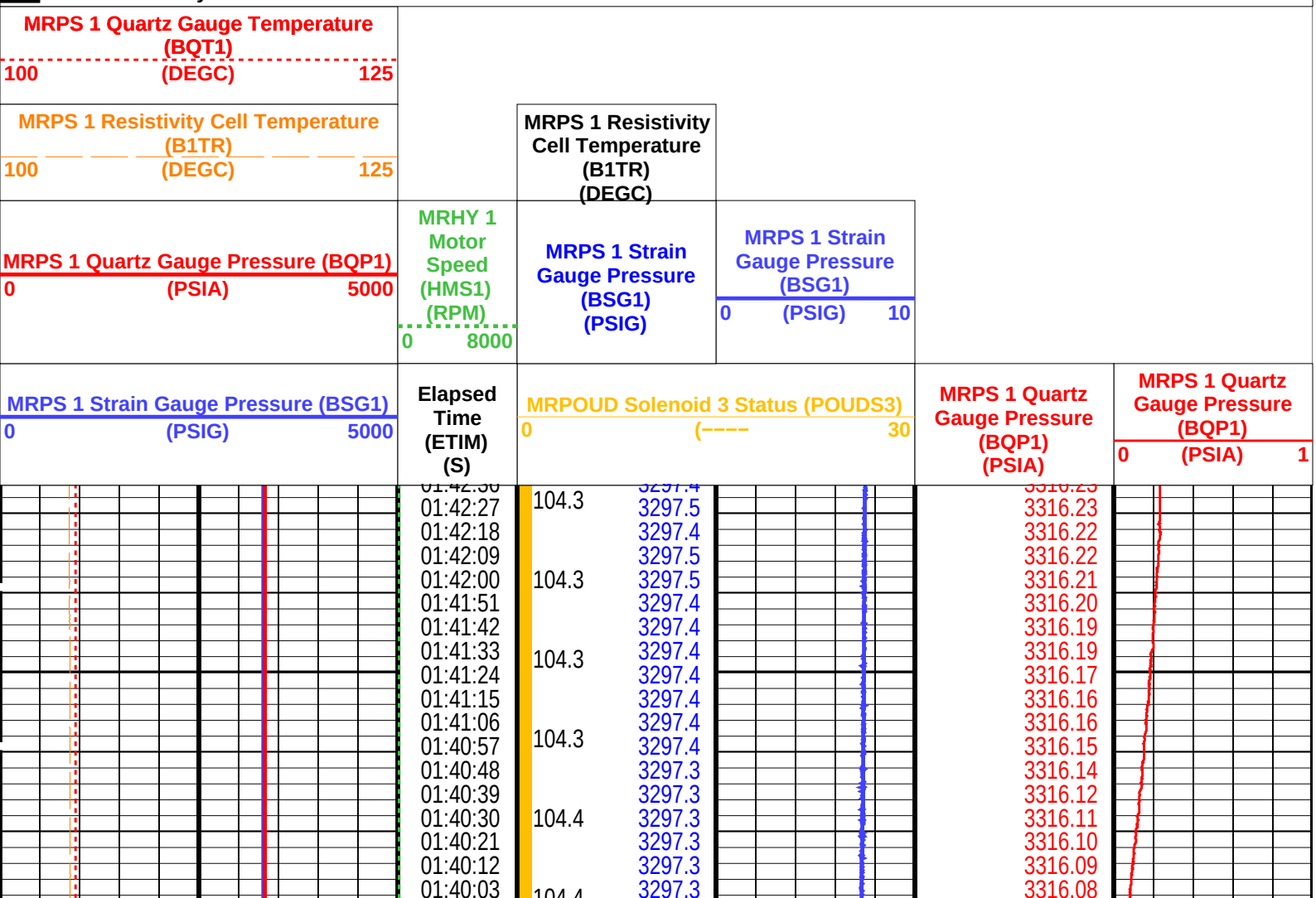
DEFAULT	MDT_OFA_correlation_125LTP	FN:197	PRODUCER	09−Apr−2006 05:38	2811.0 M	15.6 M
MDT_TLC	MDT_OFA_correlation_125LTP	FN:198	PRODUCER	09−Apr−2006 05:39	2811.0 M	15.6 M

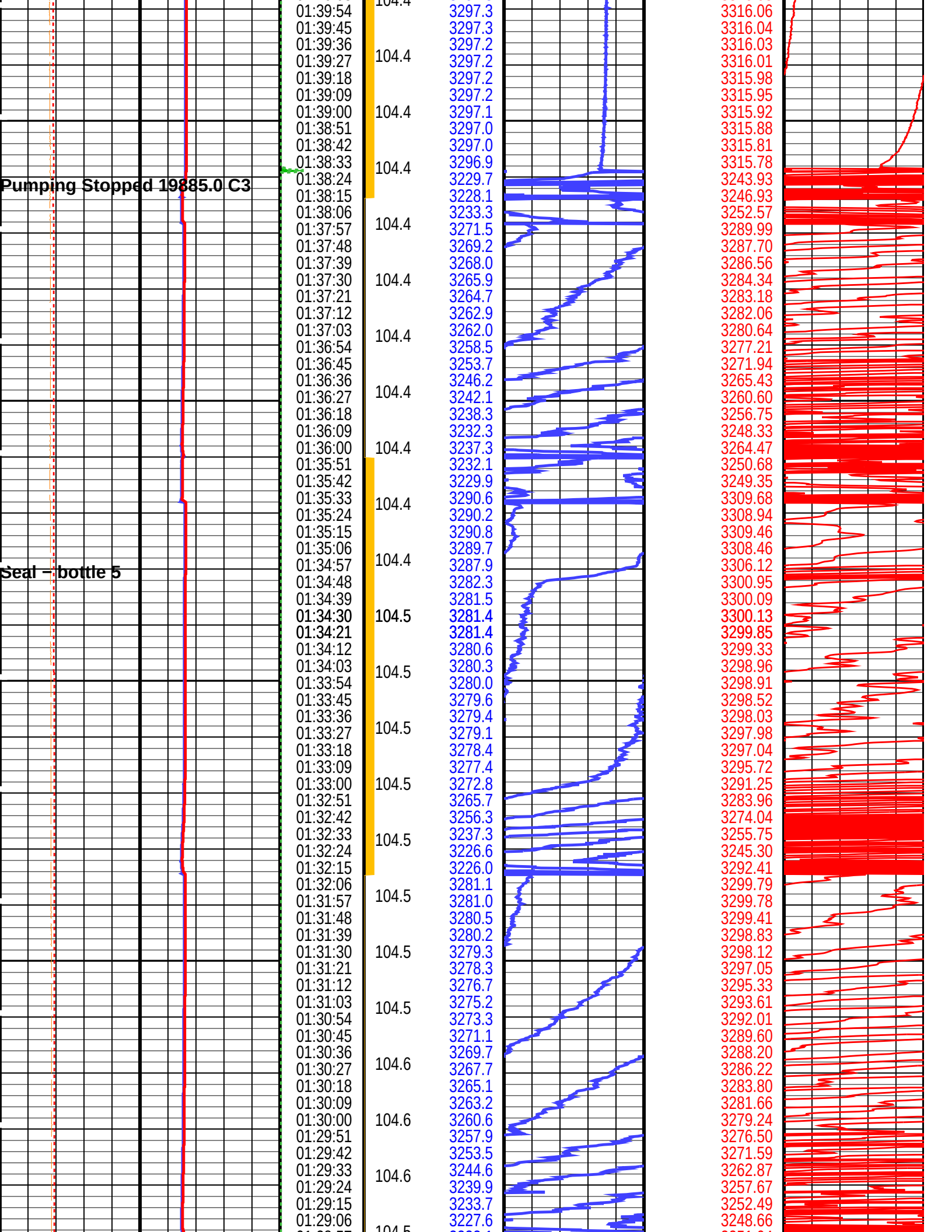
Event Summary

Elapsed Time (s)	
5904.0	Pumping Stopped 19885.0 C3 Dual Up−down Pumpout Module (MRPOUD)
5697.0	Seal MDT Multi−Sample (MRMS) 1, bottle 5
5262.9	Seal MDT Multi−Sample (MRMS) 1, bottle 6
4676.1	Open MDT Multi−Sample (MRMS) 1, bottle 6, sample number = 5
4461.3	Open MDT Multi−Sample (MRMS) 1, bottle 5, sample number = 5
2467.2	Seal MDT Multi−Sample (MRMS) 1, bottle 4
2128.5	Open MDT Multi−Sample (MRMS) 1, bottle 4, sample number = 4
1028.7	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
968.1	Pumping Stopped 4365.0 C3 Dual Up−down Pumpout Module (MRPOUD)
325.5	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
157.5	Vert Pretest 10.2 cc @ 60 C3/M Single Probe Module (MRPS) 1
88.8	Probe Set @ 2811.0 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S




Pumping Stopped 19885.0 C3
Seal – bottle 5
01:39:54 3297.3 3316.06
01:39:45 3297.3 3316.04
01:39:36 3297.2 3316.03
01:39:27 104.4 3297.2 3316.01
01:39:18 3297.2 3315.98
01:39:09 3297.2 3315.95
01:39:00 104.4 3297.1 3315.92
01:38:51 3297.0 3315.88
01:38:42 3297.0 3315.81
01:38:33 104.4 3296.9 3315.78
01:38:24 3229.7 3243.93
01:38:15 3228.1 3246.93
01:38:06 3233.3 3252.57
01:37:57 104.4 3271.5 3289.99
01:37:48 3269.2 3287.70
01:37:39 3268.0 3286.56
01:37:30 104.4 3265.9 3284.34
01:37:21 3264.7 3283.18
01:37:12 3262.9 3282.06
01:37:03 104.4 3262.0 3280.64
01:36:54 3258.5 3277.21
01:36:45 3253.7 3271.94
01:36:36 3246.2 3265.43
01:36:27 104.4 3242.1 3260.60
01:36:18 3238.3 3256.75
01:36:09 3232.3 3248.33
01:36:00 104.4 3237.3 3264.47
01:35:51 3232.1 3250.68
01:35:42 3229.9 3249.35
01:35:33 104.4 3290.6 3309.68
01:35:24 3290.2 3308.94
01:35:15 3290.8 3309.46
01:35:06 3289.7 3308.46
01:34:57 104.4 3287.9 3306.12
01:34:48 3282.3 3300.95
01:34:39 3281.5 3300.09
01:34:30 104.5 3281.4 3300.13
01:34:21 3281.4 3299.85
01:34:12 3280.6 3299.33
01:34:03 104.5 3280.3 3298.96
01:33:54 3280.0 3298.91
01:33:45 3279.6 3298.52
01:33:36 3279.4 3298.03
01:33:27 104.5 3279.1 3297.98
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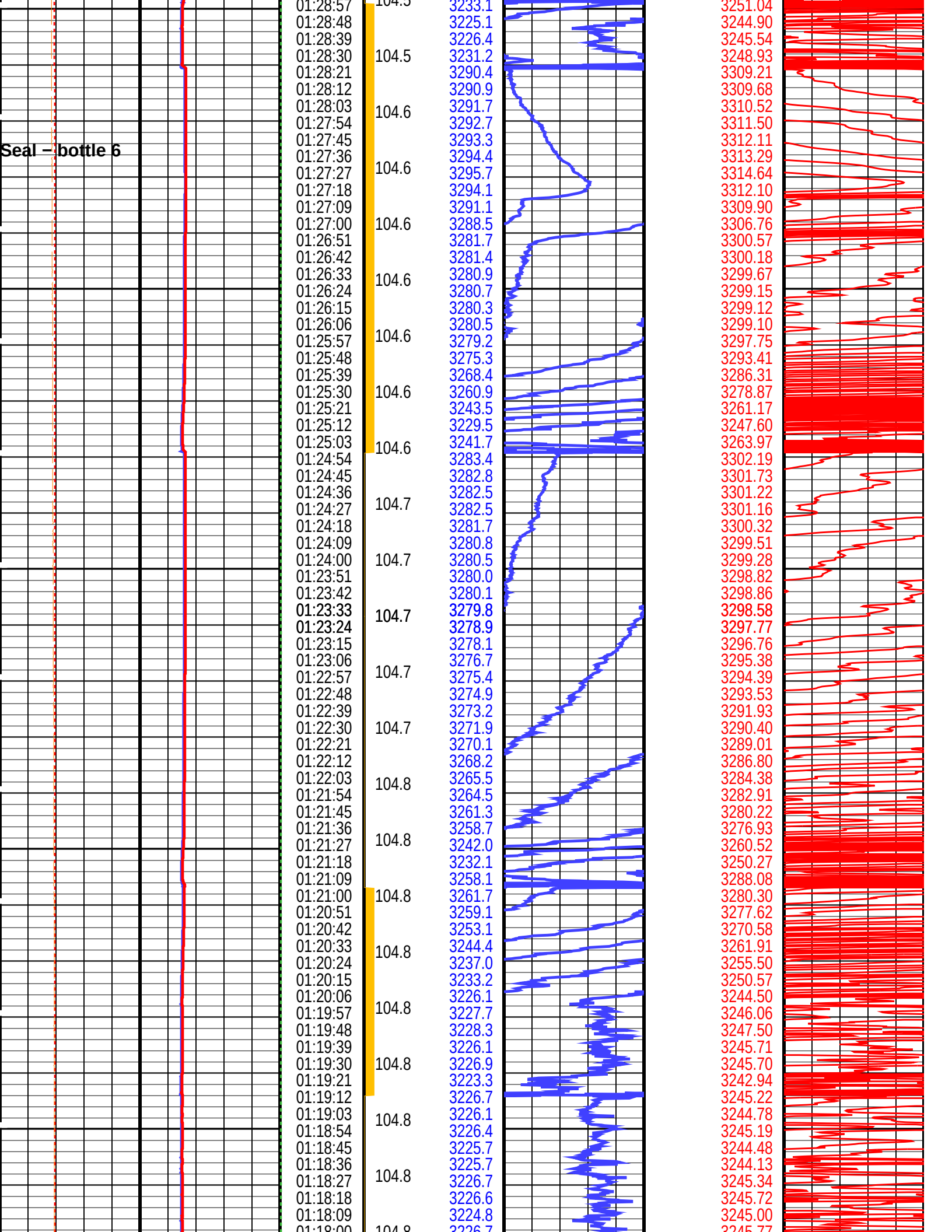
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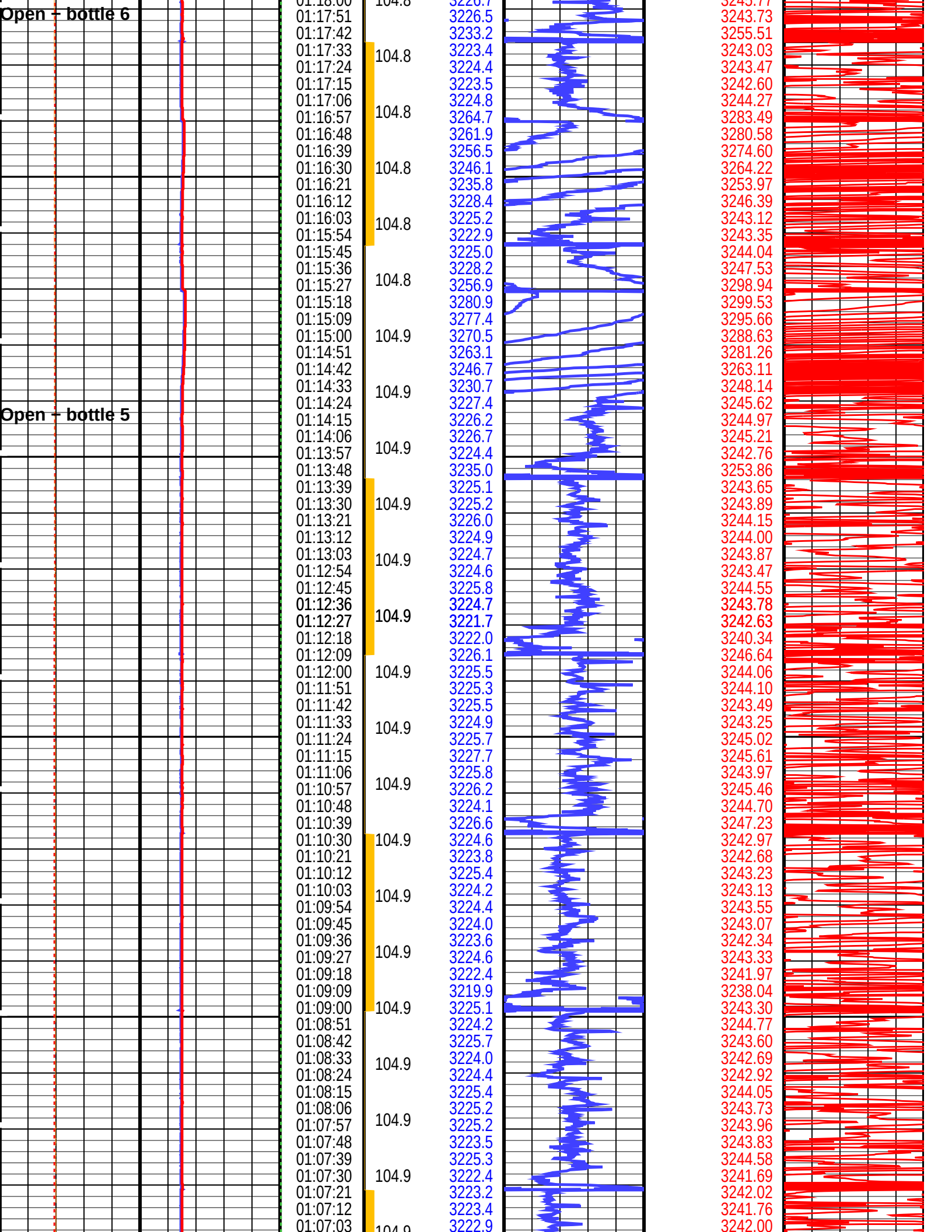
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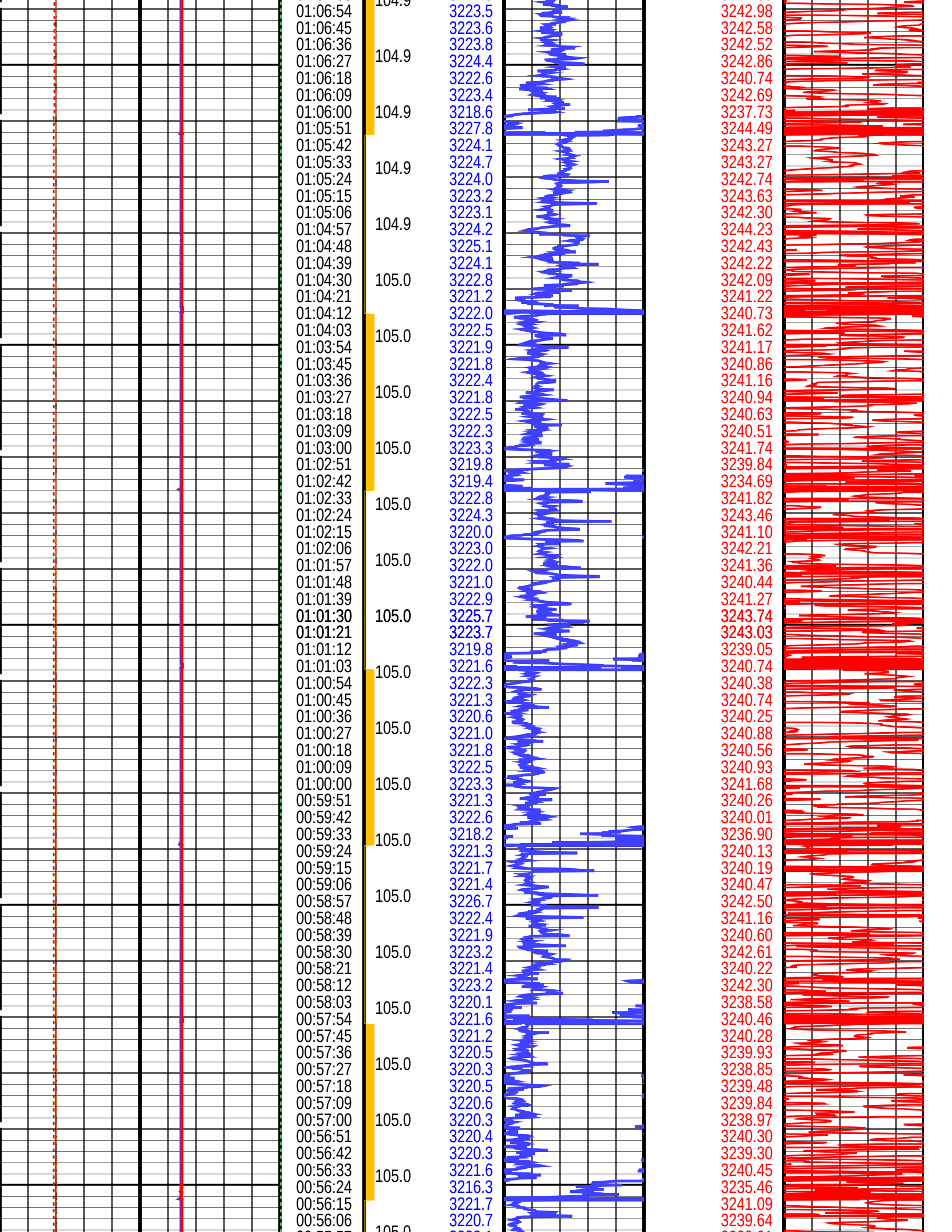
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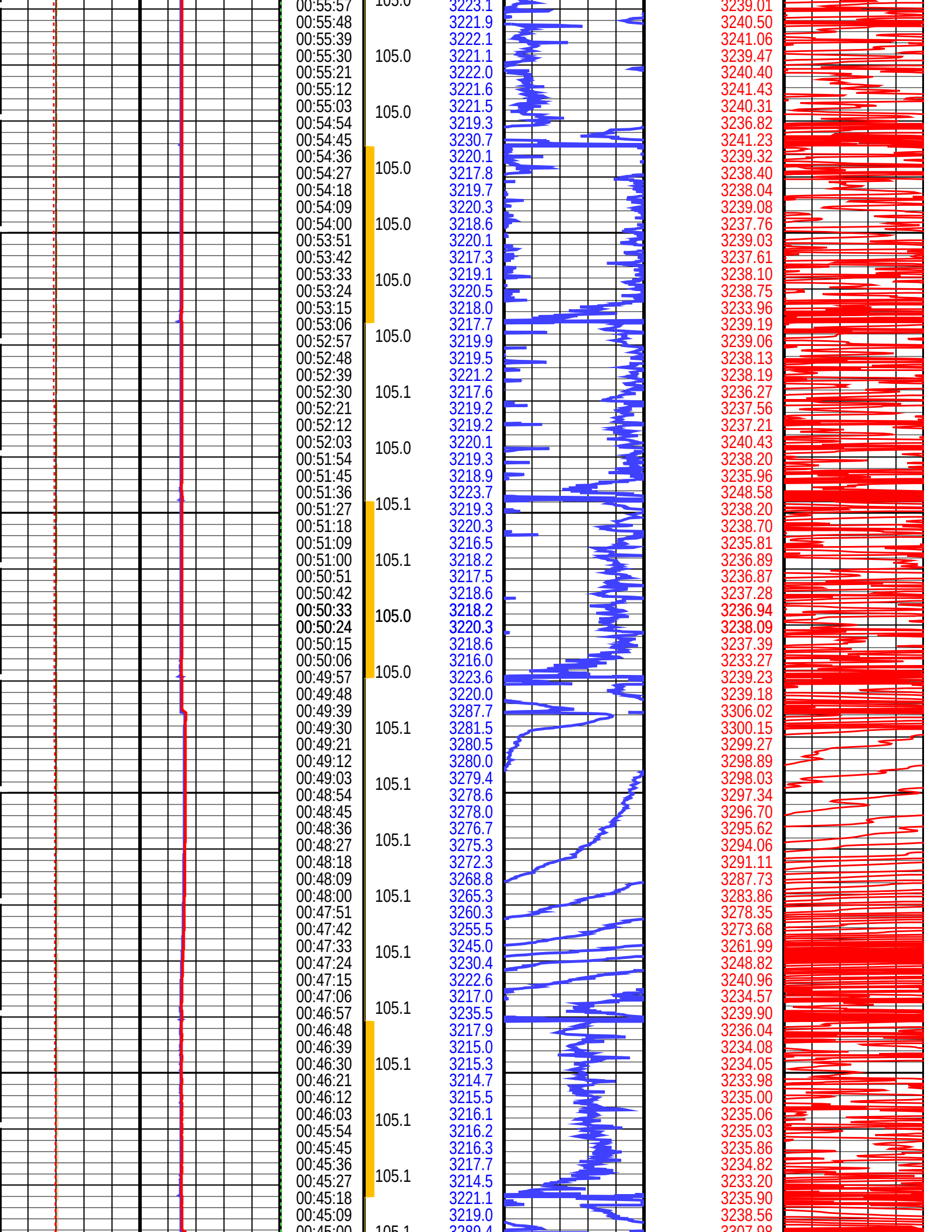
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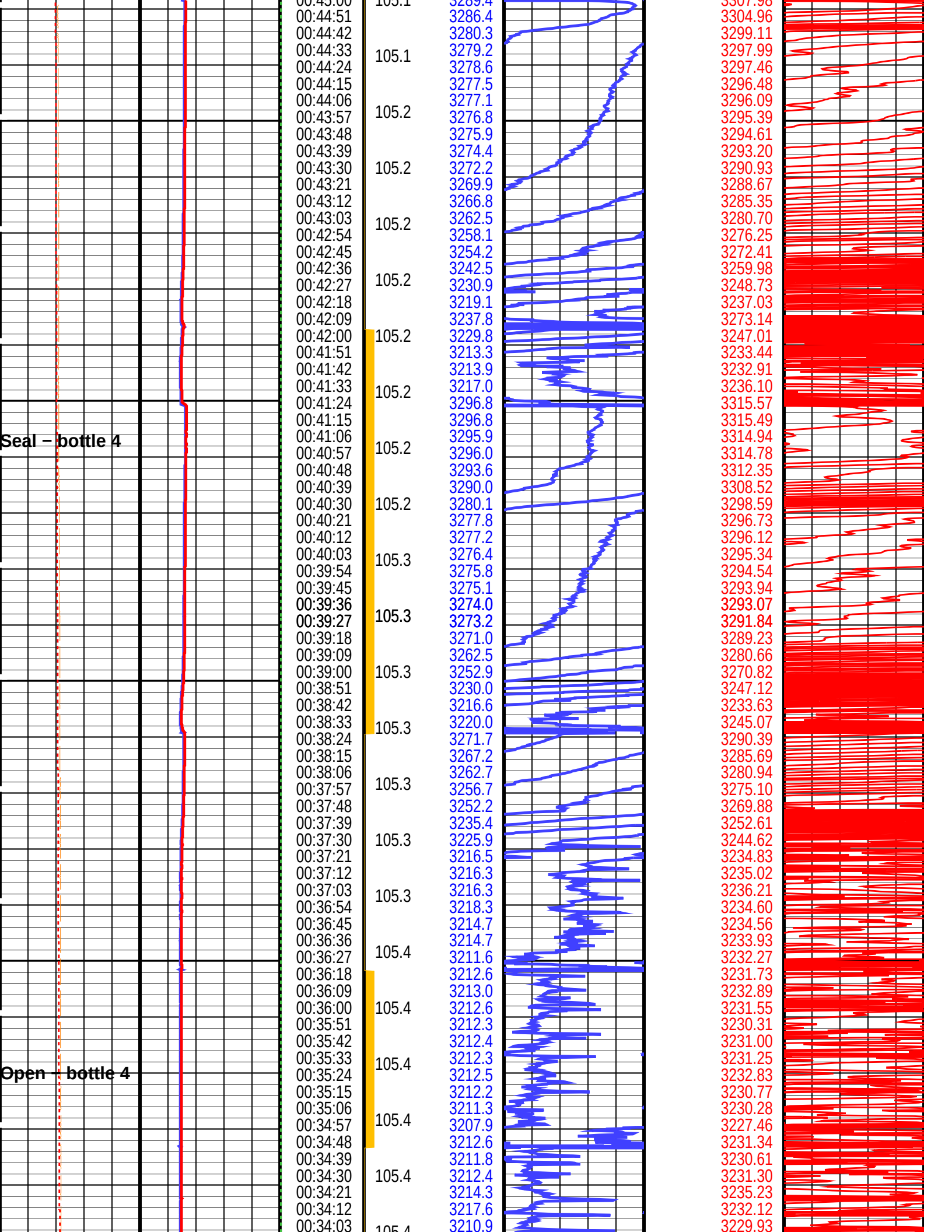
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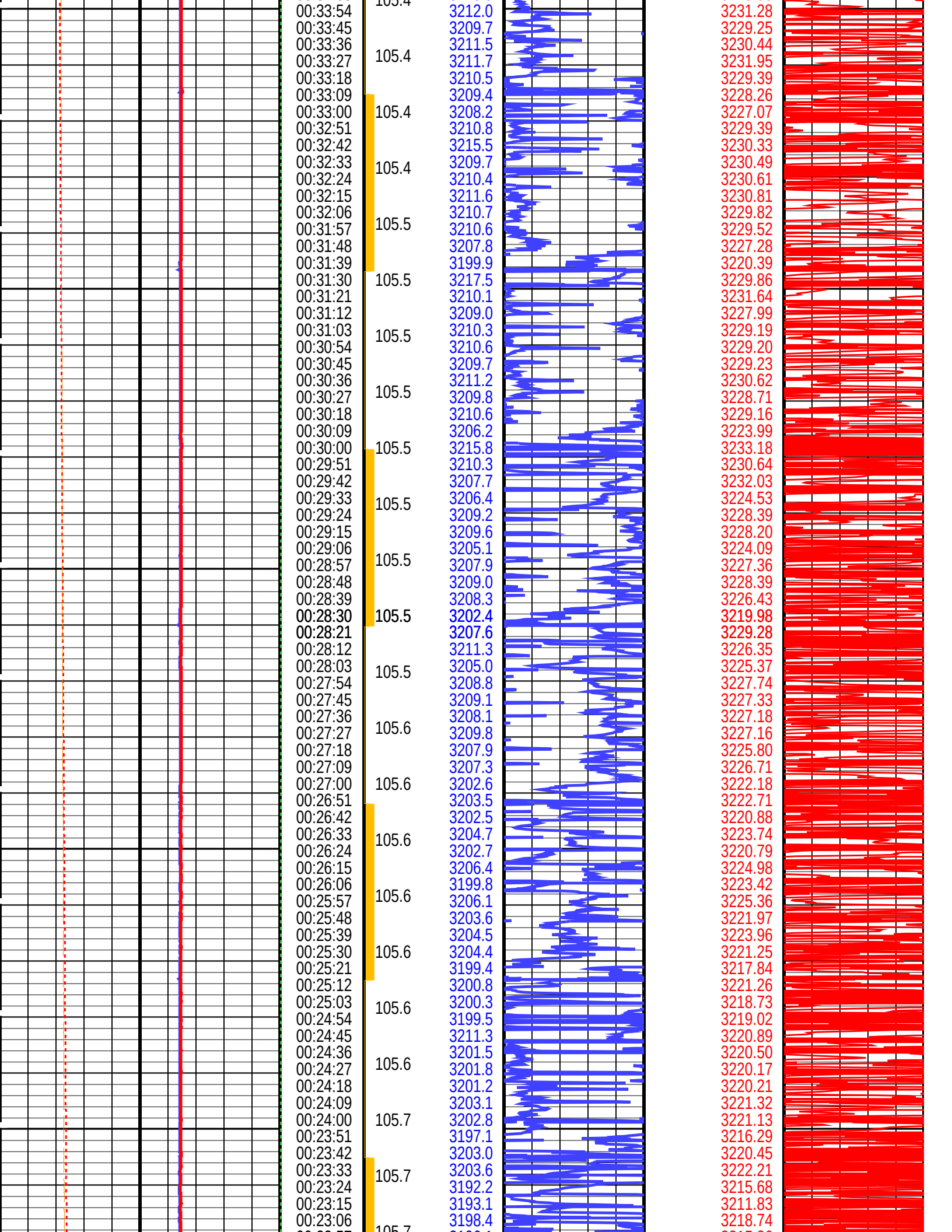
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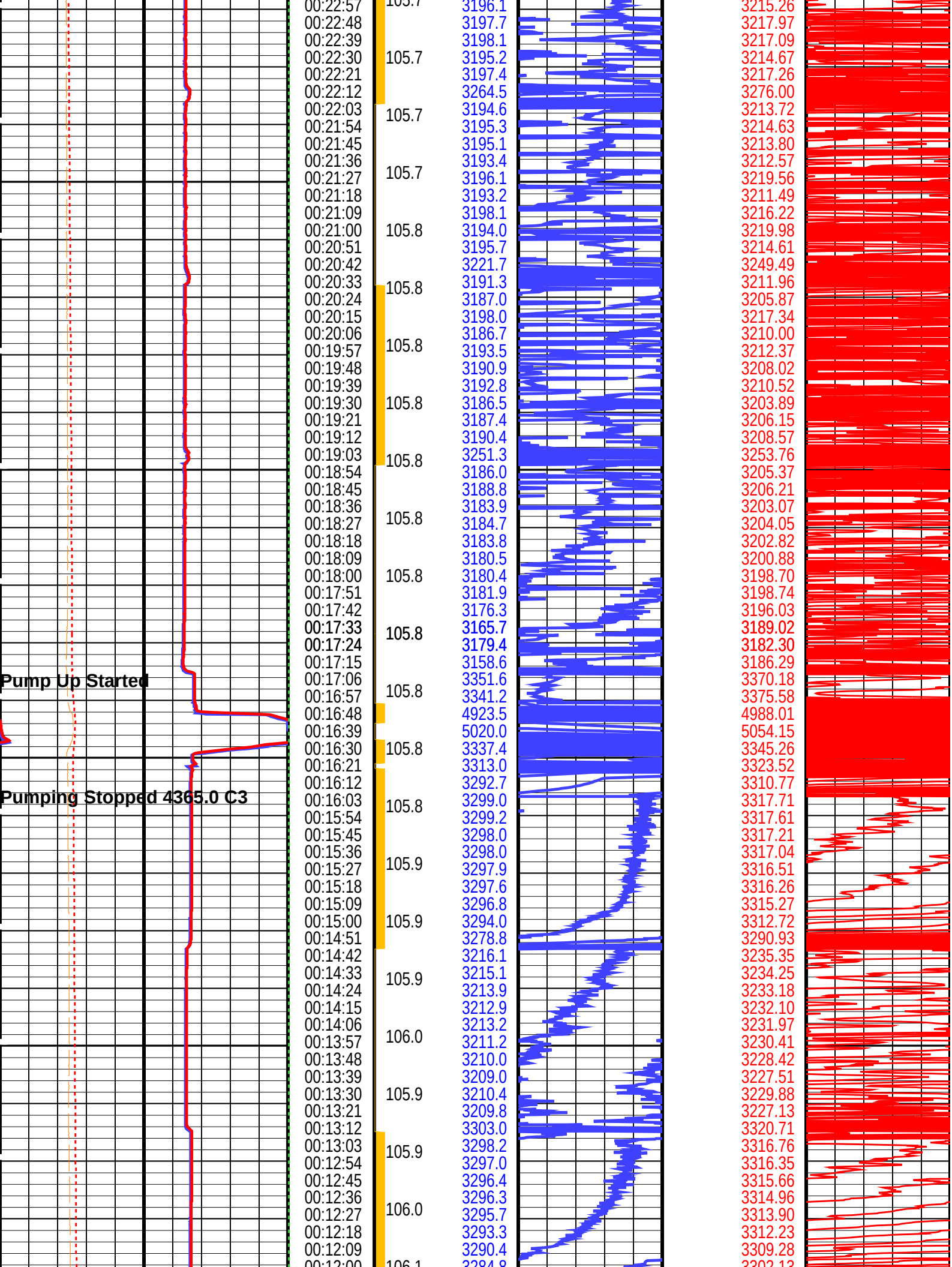
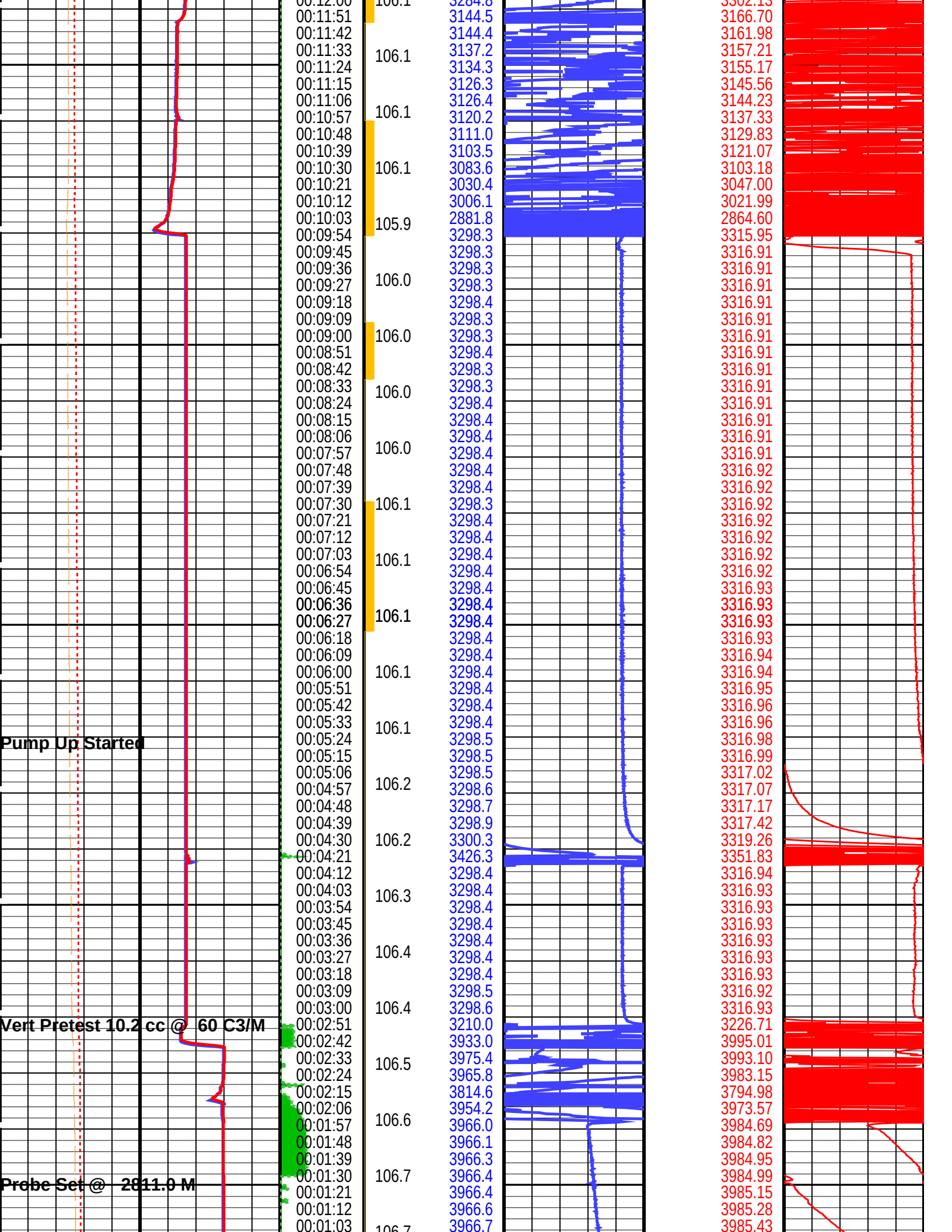
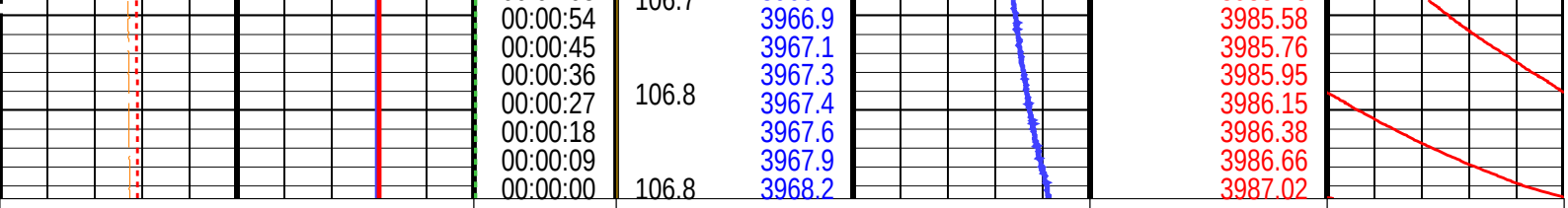
00:23:51 3197.1 3216.29
00:23:42 3203.0 3220.45
00:23:33 105.7 3203.6 3222.21
00:23:24 3192.2 3215.68
00:23:15 3193.1 3211.83
00:23:06 3198.4 3218.74


Pump Up Started
Pumping Stopped 4365.0 C3


Pump Up Started
Vert Pretest 10.2 cc @ 60 C3/M
Probe Set @ 2811.0 M



MRPS 1 Strain Gauge Pressure (BSG1)	Elapsed Time (ETIM) (S)	MRPOUD Solenoid 3 Status (POUDS3)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1)
0 (PSIG) 5000		0 (---- 30		0 (PSIA) 1

MRPS 1 Quartz Gauge Pressure (BQP1)	MRHY 1 Motor Speed (HMS1) (RPM)	MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)	MRPS 1 Strain Gauge Pressure (BSG1)
0 (PSIA) 5000	0 8000		0 (PSIG) 10

MRPS 1 Resistivity Cell Temperature (B1TR)	MRPS 1 Resistivity Cell Temperature (B1TR) (DEGC)
100 (DEGC) 125	

MRPS 1 Quartz Gauge Temperature (BQT1)
100 (DEGC) 125

PIP SUMMARY

Time Mark Every 60 S

Format: MRPS_1_SGQG_Station Vertical Scale: 1" per 60S Graphics File Created: 09−Apr−2006 05:38

OP System Version: 14C0−302

MCM

MRPS_1	unofficial	MRHY_1	unofficial
MRPO_UD	unofficial	LFA	unofficial
MRMS_1	unofficial	MRPC	unofficial
SGT−L	unofficial	TCC−B	unofficial
ACTS−B1	unofficial		

Output DLIS Files

DEFAULT	MDT_OFA_correlation_125LTP	FN:197	PRODUCER	09−Apr−2006 05:38
MDT_TLC	MDT_OFA_correlation_125LTP	FN:198	PRODUCER	09−Apr−2006 05:39

Schlumberger

Sampling @ 3060.0 mMD

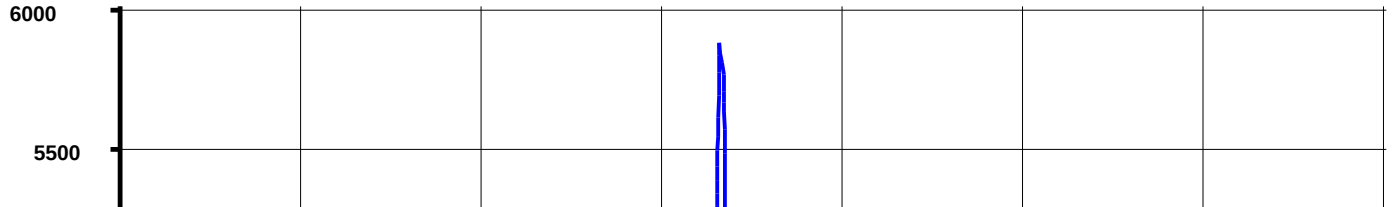
MAXIS Field Log

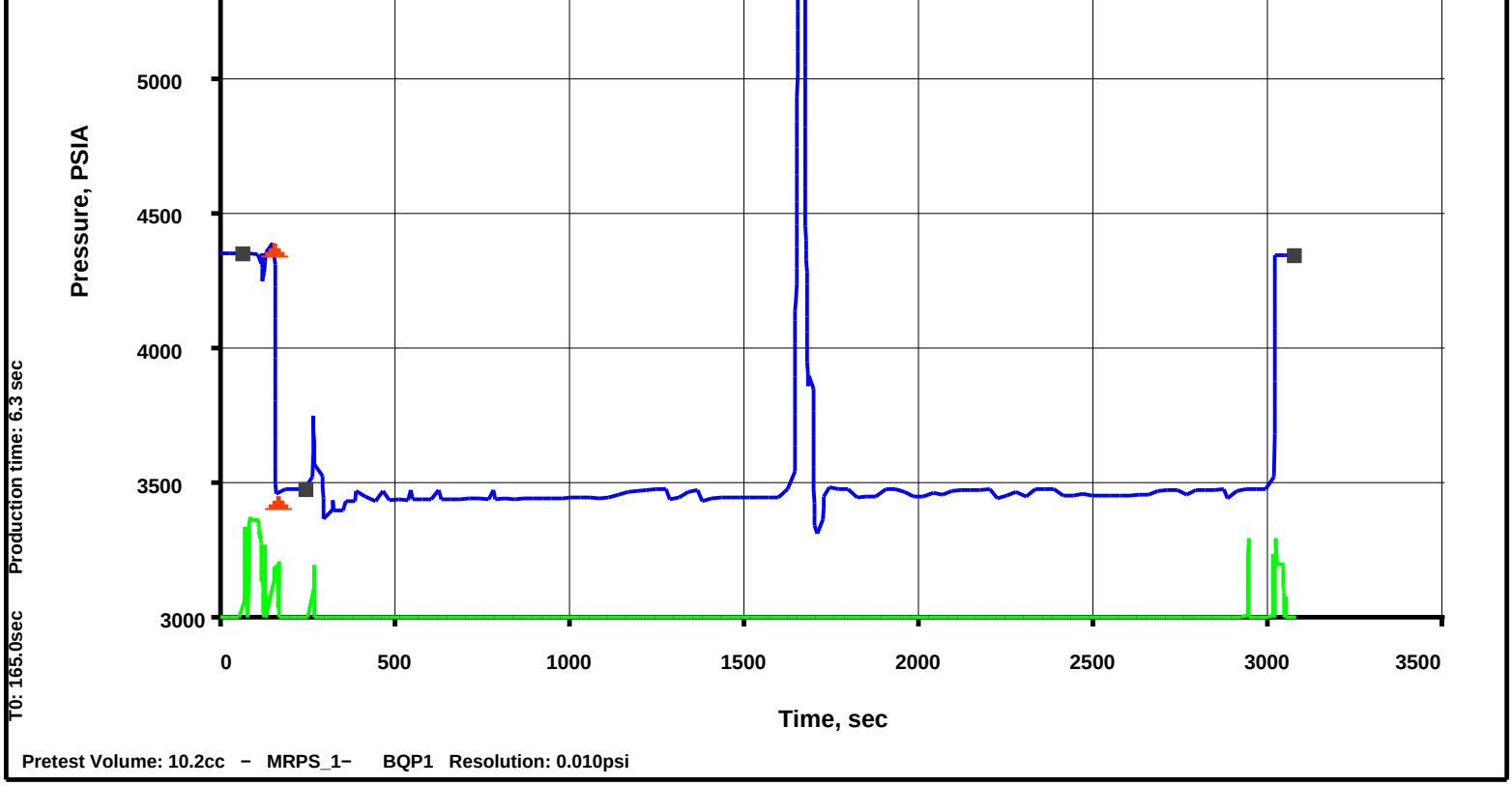
File 104
8−Apr−2006

Depth, M: 3060.02
Woodside Energy Ltd
Thylacine South
Thylacine South−1

Volumetric Limited draw−down − Large−Diameter probe

Mud Pressure before test, PSIA:	4344.78
Mud Pressure after test, PSIA:	4339.49
Last build−up pressure, PSIA:	3474.61
Draw−down mobility, md/cp:	137.6





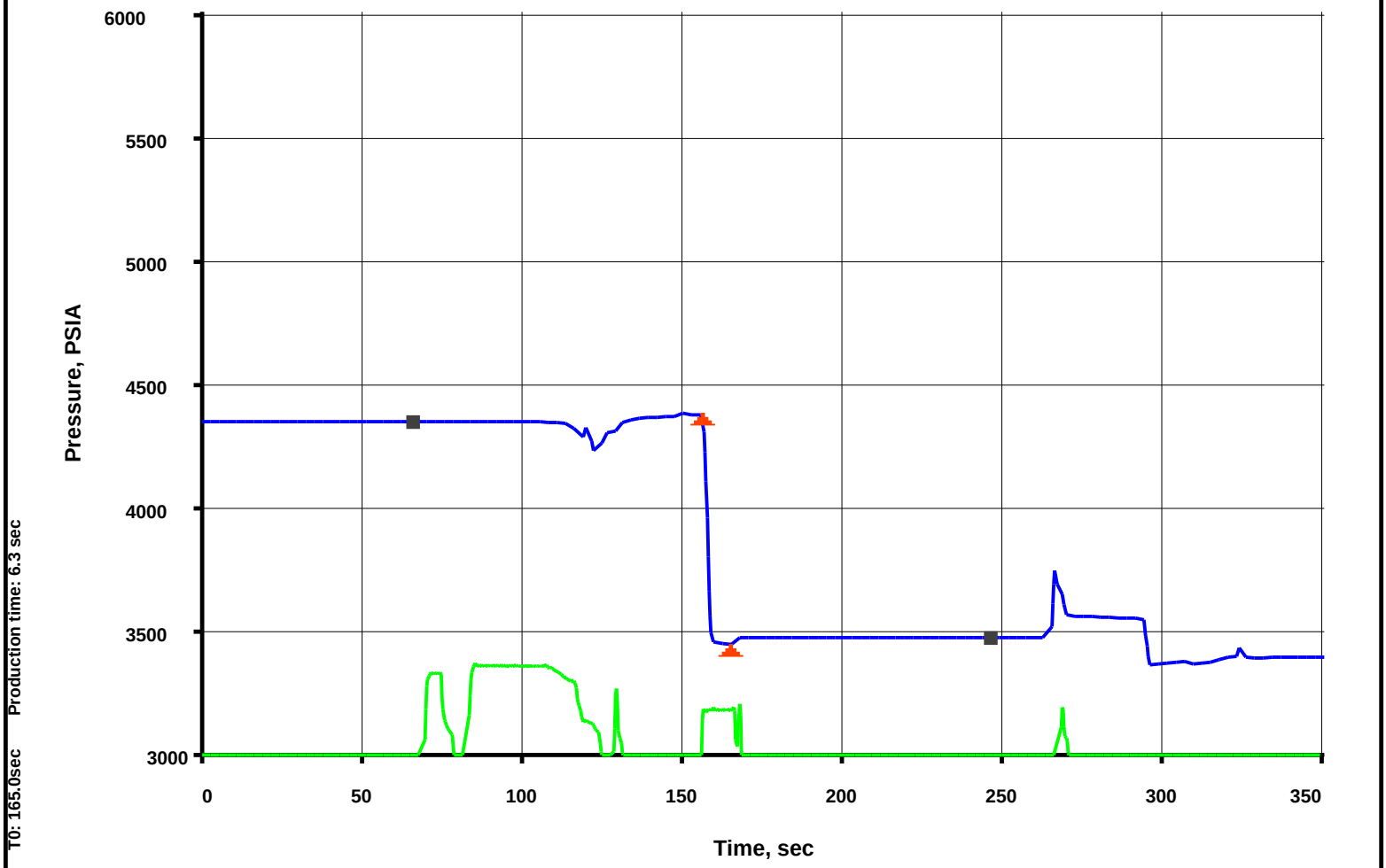
Pretest Volume: 10.2cc – MRPS_1– BQP1 Resolution: 0.010psi

File 104
8–Apr–2006

Depth, M: 3060.02
Woodside Energy Ltd
Thylacine South
Thylacine South–1

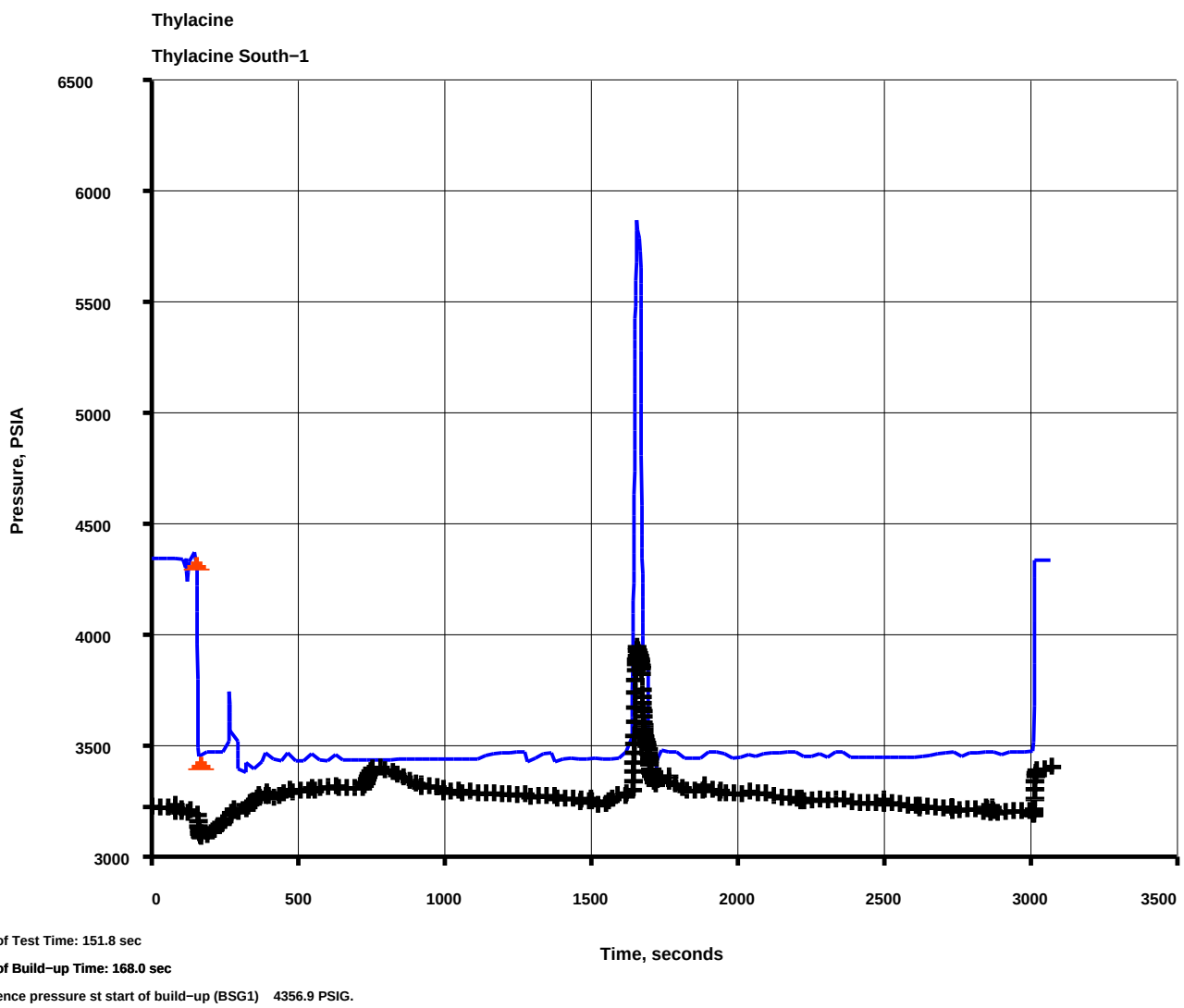
Volumetric Limited draw–down – Large–Diameter probe

Mud Pressure before test, PSIA:	4344.78
Mud Pressure after test, PSIA:	4339.49
Last build–up pressure, PSIA:	3474.61
Draw–down mobility, md/cp:	137.6



Pretest Volume: 10.2cc – MRPS_1– BQP1 Resolution: 0.010psi

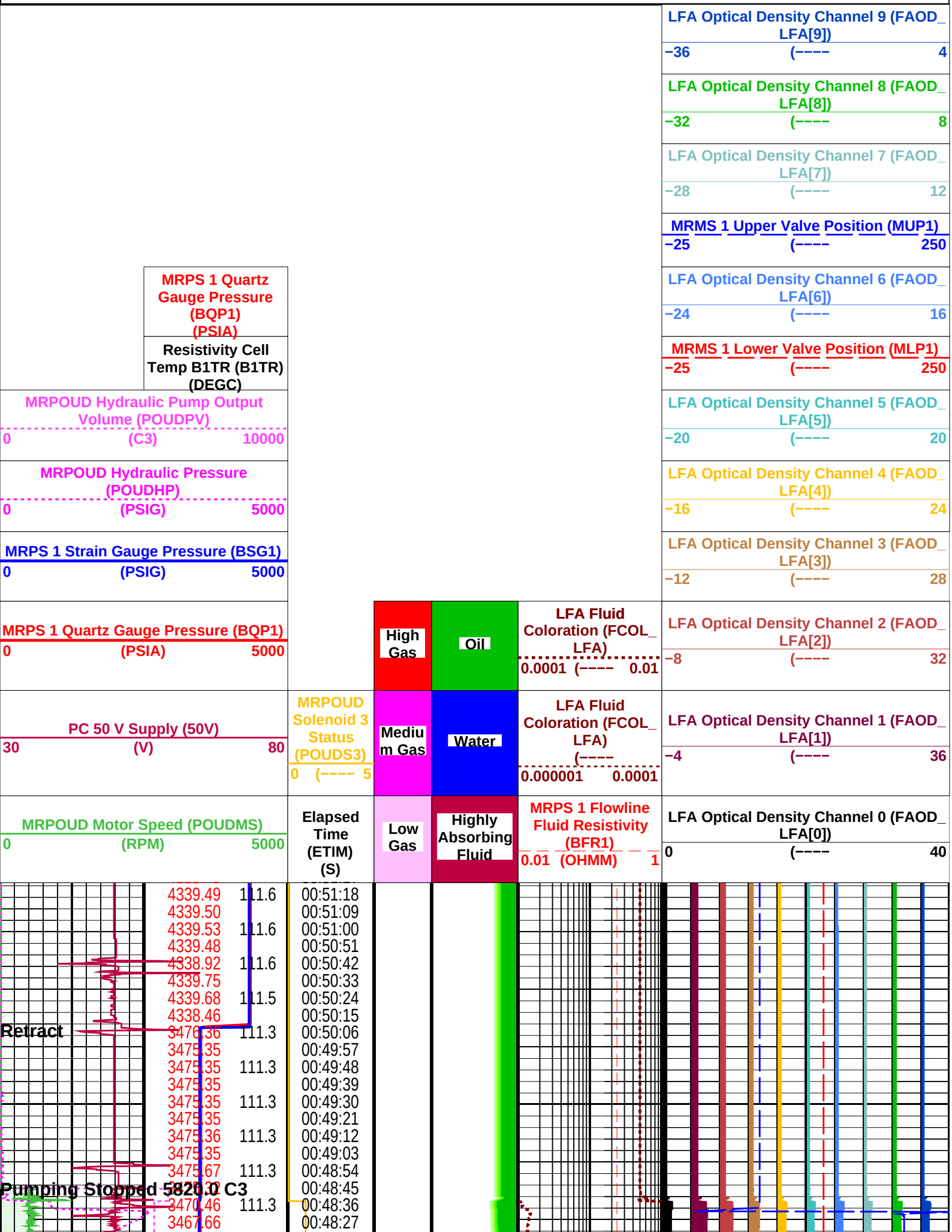
File 104 Probe Depth (BSG1) 3060.0 M TVD 2989.9 M
8–Apr–2005 Woodside Energy Ltd

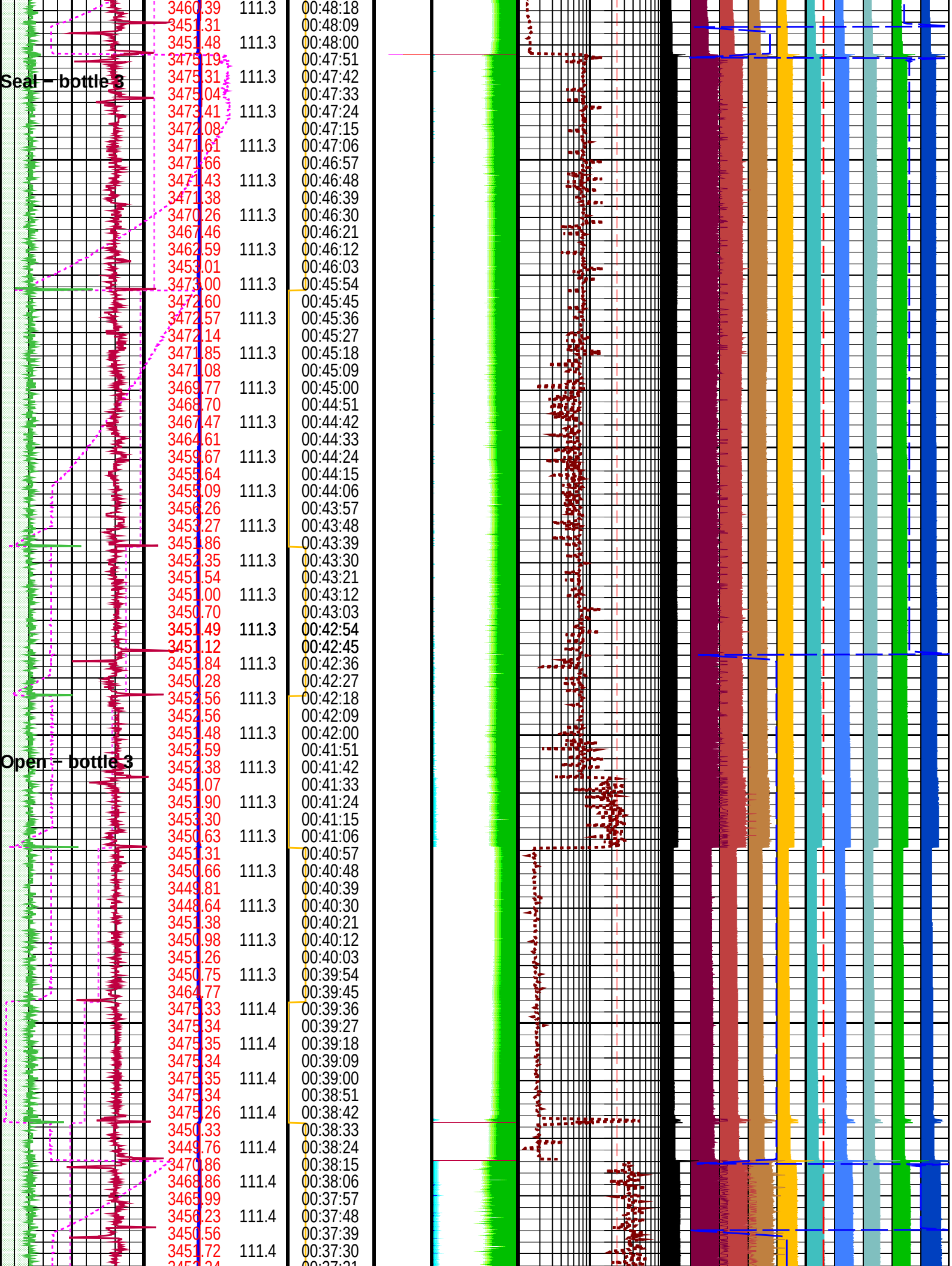


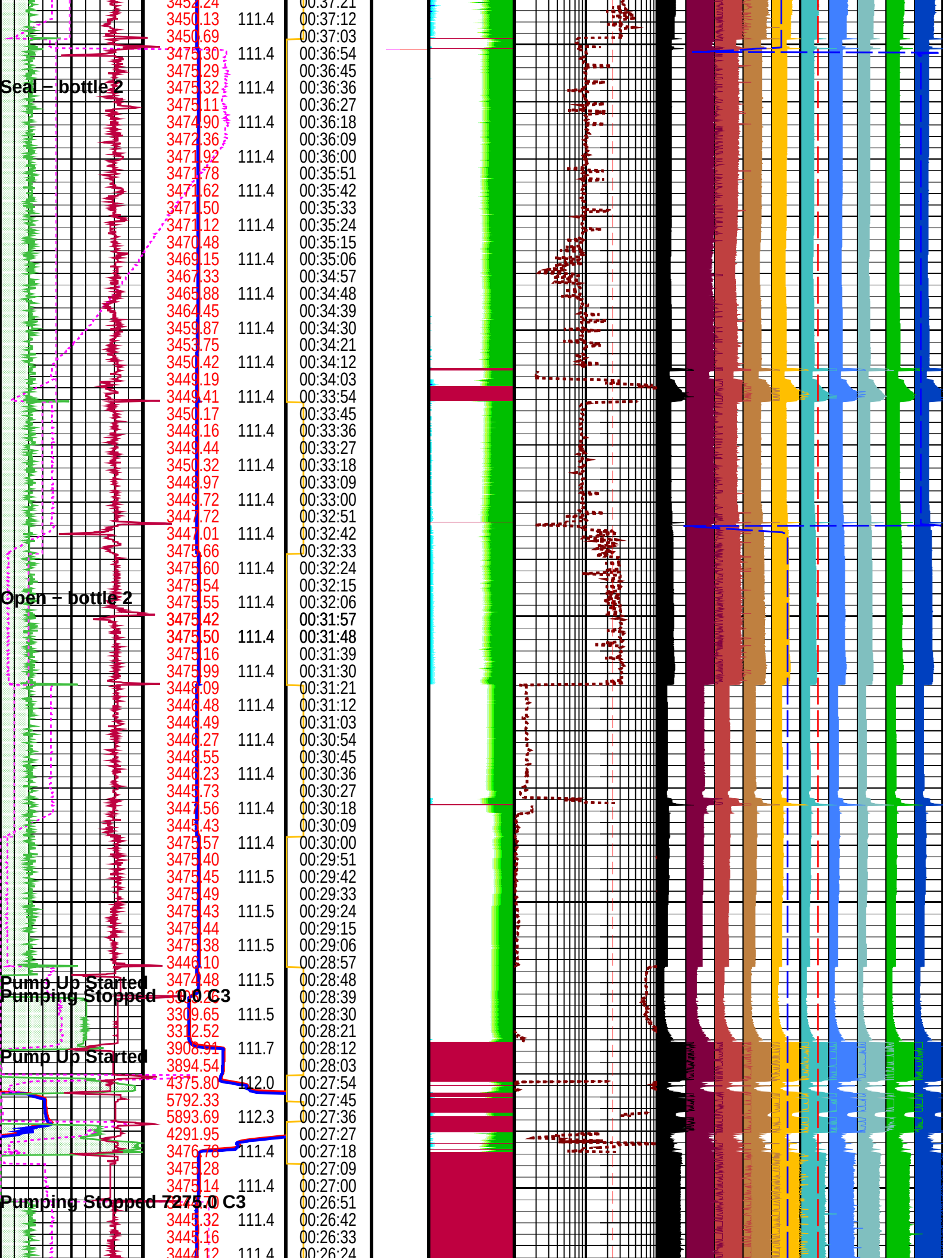
Output DLIS Files

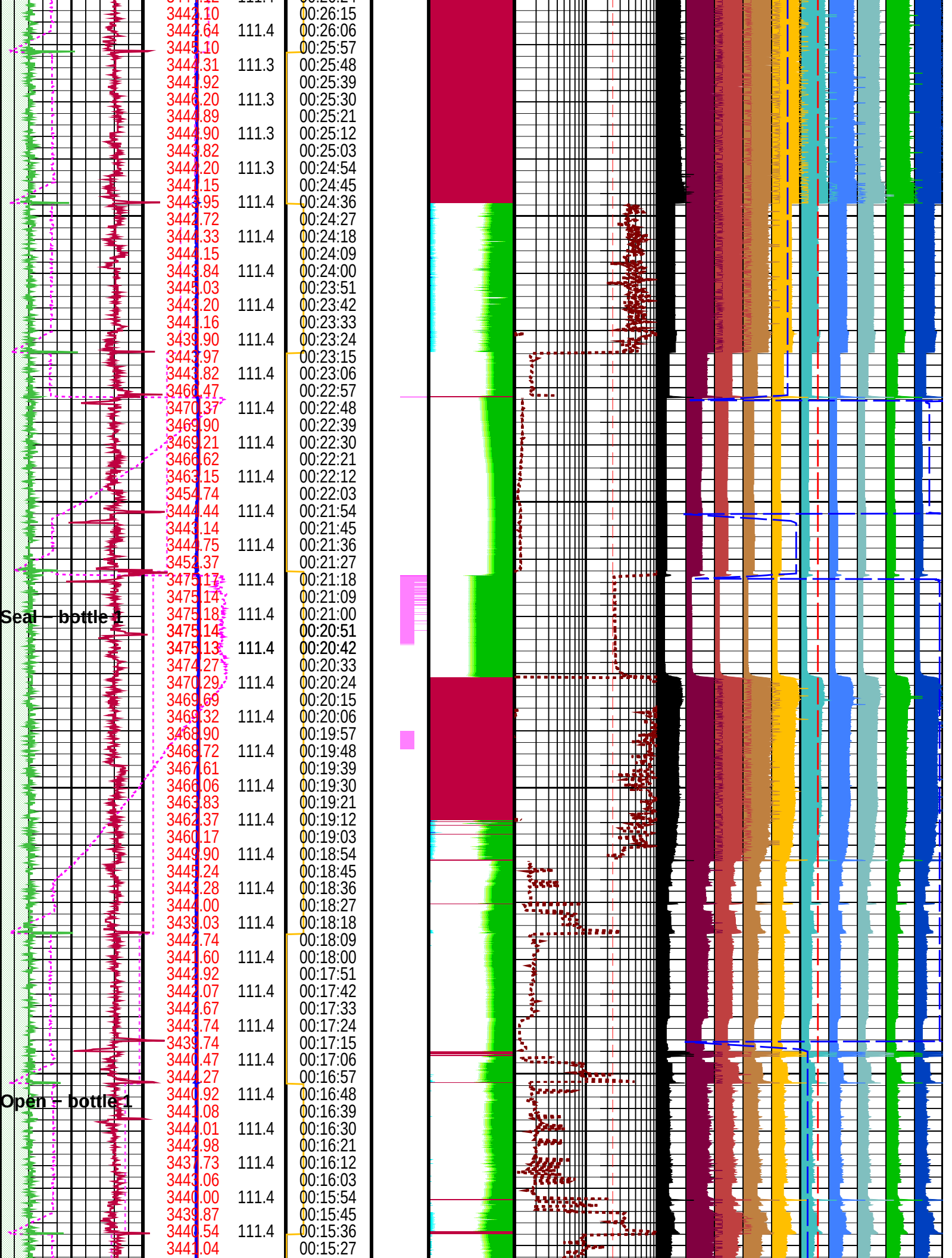
DEFAULT	MDT_OFA_correlation_104LTP	FN:155	PRODUCER	08−Apr−2006 20:44	3060.0 M	7.8 M
MDT_TLC	MDT_OFA_correlation_104LTP	FN:156	PRODUCER	08−Apr−2006 20:44	3060.0 M	7.8 M

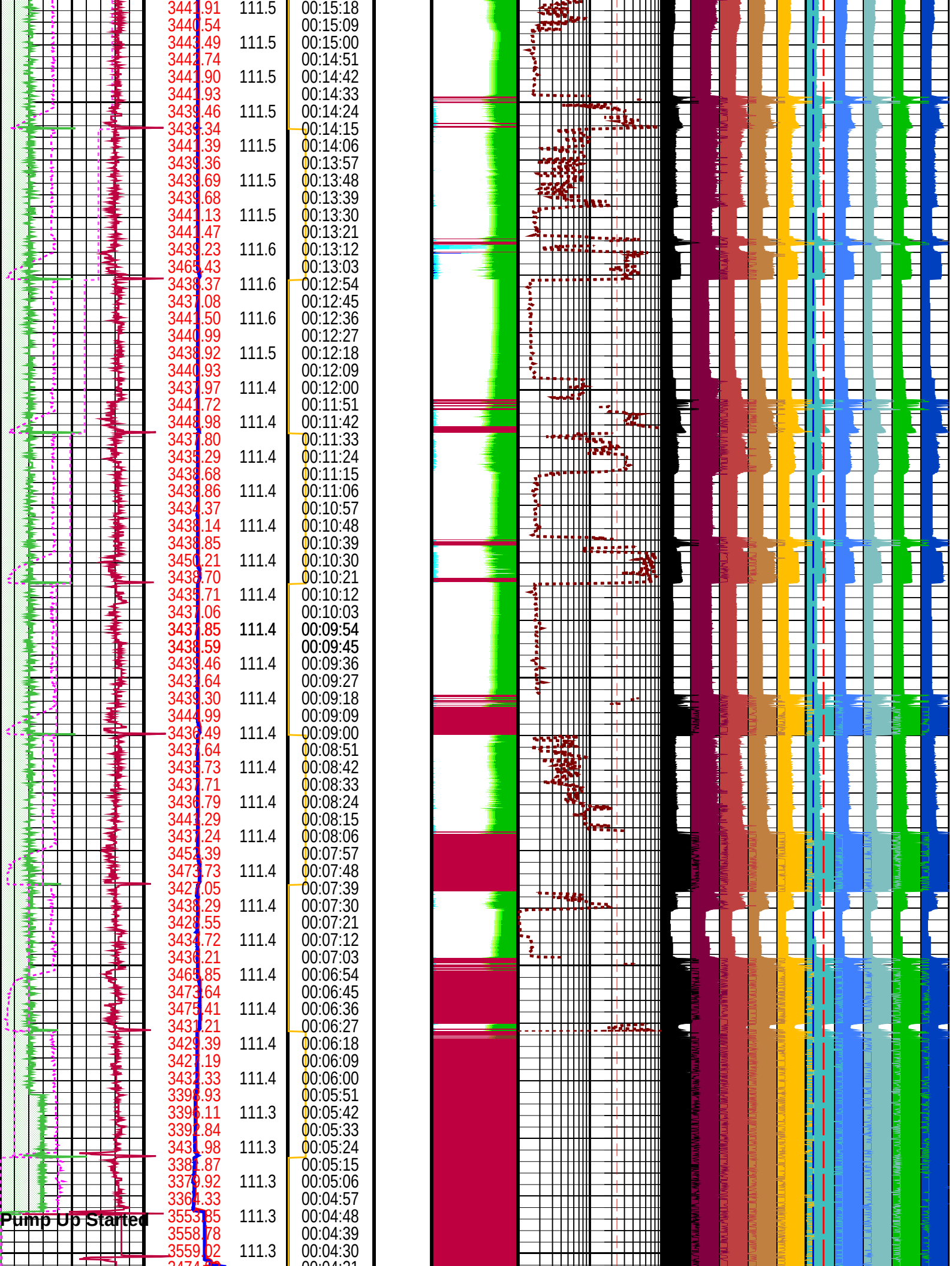
Elapsed Time (s)	Event Summary
3010.5	Retract Single Probe Module (MRPS) 1
2928.0	Pumping Stopped 5820.0 C3 Dual Up−down Pumpout Module (MRPOUD)
2863.2	Seal MDT Multi−Sample (MRMS) 1, bottle 3
2508.6	Open MDT Multi−Sample (MRMS) 1, bottle 3, sample number = 3
2199.9	Seal MDT Multi−Sample (MRMS) 1, bottle 2
1932.0	Open MDT Multi−Sample (MRMS) 1, bottle 2, sample number = 2
1730.1	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
1723.2	Pumping Stopped 0.0 C3 Dual Up−down Pumpout Module (MRPOUD)
1691.4	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
1614.9	Pumping Stopped 7275.0 C3 Dual Up−down Pumpout Module (MRPOUD)
1261.8	Seal MDT Multi−Sample (MRMS) 1, bottle 1
1008.0	Open MDT Multi−Sample (MRMS) 1, bottle 1, sample number = 1
289.8	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
151.8	Vert Pretest 10.2 cc @ 60 C3/M Single Probe Module (MRPS) 1
79.2	Probe Set @ 3060.0 M Single Probe Module (MRPS) 1

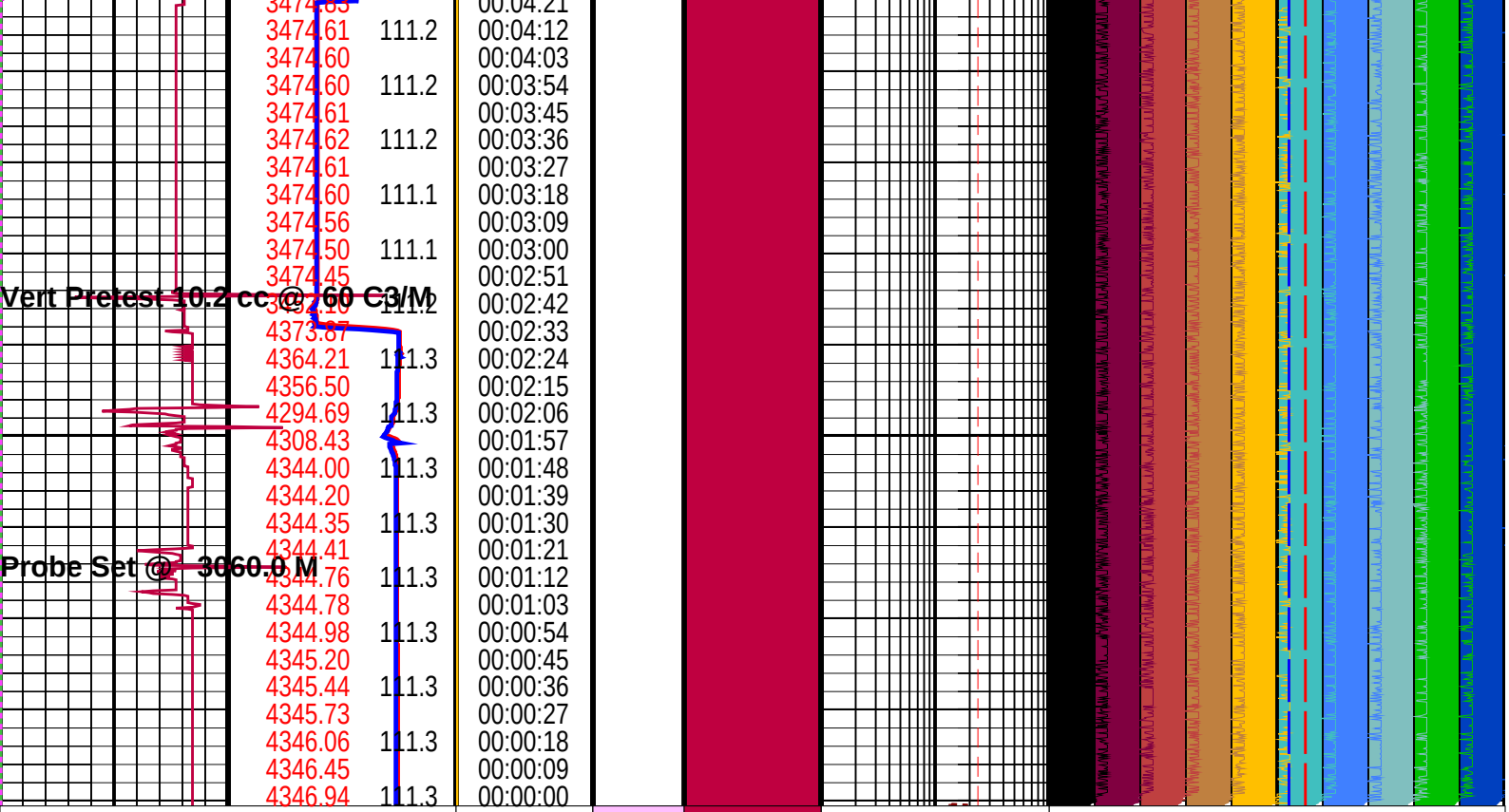

LFA Optical Density Channel 9 (FAOD_LFA[9])
−36 (−−−− 4
LFA Optical Density Channel 8 (FAOD_LFA[8])
−32 (−−−− 8
LFA Optical Density Channel 7 (FAOD_LFA[7])
−28 (−−−− 12
MRMS 1 Upper Valve Position (MUP1)
−25 (−−−− 250
MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
Resistivity Cell Temp B1TR (B1TR) (DEGC)
LFA Optical Density Channel 6 (FAOD_LFA[6])
−24 (−−−− 16
MRMS 1 Lower Valve Position (MLP1)
−25 (−−−− 250
MRPOUD Hydraulic Pump Output Volume (POUDPV)
0 (C3) 10000
LFA Optical Density Channel 5 (FAOD_LFA[5])
−20 (−−−− 20
MRPOUD Hydraulic Pressure (POUDHP)
0 (PSIG) 5000
LFA Optical Density Channel 4 (FAOD_LFA[4])
−16 (−−−− 24
MRPS 1 Strain Gauge Pressure (BSG1)
0 (PSIG) 5000
LFA Optical Density Channel 3 (FAOD_LFA[3])
−12 (−−−− 28
MRPS 1 Quartz Gauge Pressure (BQP1)
0 (PSIA) 5000
High Gas
Oil
LFA Fluid Coloration (FCOL_LFA)
0.0001 (−−−− 0.01
LFA Optical Density Channel 2 (FAOD_LFA[2])
−8 (−−−− 32
PC 50 V Supply (50V)
30 (V) 80
MRPOUD Solenoid 3 Status (POUDS3)
0 (−−−− 5
Medium Gas
Water
LFA Fluid Coloration (FCOL_LFA)
(−−−−
0.000001 0.0001
LFA Optical Density Channel 1 (FAOD_LFA[1])
−4 (−−−− 36
MRPOUD Motor Speed (POUDMS)
0 (RPM) 5000
Elapsed Time (ETIM) (S)
Low Gas
Highly Absorbing Fluid
MRPS 1 Flowline Fluid Resistivity (BFR1)
0.01 (OHMM) 1
LFA Optical Density Channel 0 (FAOD_LFA[0])
0 (−−−− 40
4339.49 111.6 00:51:18
4339.50 00:51:09
4339.53 111.6 00:51:00
4339.48 00:50:51
4338.92 111.6 00:50:42
4339.75 00:50:33
4339.68 111.5 00:50:24
4338.46 00:50:15
Retract
3476.36 111.3 00:50:06
3475.35 00:49:57
3475.35 111.3 00:49:48
3475.35 00:49:39
3475.35 111.3 00:49:30
3475.35 00:49:21
3475.36 111.3 00:49:12
3475.35 00:49:03
3475.67 111.3 00:48:54
Pumping Stopped 5820.0 C3 00:48:45
3470.46 111.3 00:48:36
3467.66 00:48:27


Seal – bottle 3
Open – bottle 3


Seal – bottle 2
Open – bottle 2
Pump Ub Started
Pumping Stopped 0.0 C3
Pump Ub Started
Pumping Stopped 7275.0 C3


Seal – bottle 1
Open – bottle 1


3441.91 111.5 00:15:18
3440.54 00:15:09
3443.49 111.5 00:15:00
3442.74 00:14:51
3441.90 111.5 00:14:42
3441.93 00:14:33
3439.46 111.5 00:14:24
3439.34 00:14:15
3441.39 111.5 00:14:06
3439.36 00:13:57
3439.69 111.5 00:13:48
3439.68 00:13:39
3441.13 111.5 00:13:30
3441.47 00:13:21
3439.23 111.6 00:13:12
3465.43 00:13:03
3438.37 111.6 00:12:54
3437.08 00:12:45
3441.50 111.6 00:12:36
3440.99 00:12:27
3438.92 111.5 00:12:18
3440.93 00:12:09
3437.97 111.4 00:12:00
3441.72 00:11:51
3448.98 111.4 00:11:42
3437.80 00:11:33
3435.29 111.4 00:11:24
3438.68 00:11:15
3438.86 111.4 00:11:06
3434.37 00:10:57
3438.14 111.4 00:10:48
3438.85 00:10:39
3450.21 111.4 00:10:30
3438.70 00:10:21
3435.71 111.4 00:10:12
3437.06 00:10:03
3437.85 111.4 00:09:54
3438.59 00:09:45
3439.46 111.4 00:09:36
3432.64 00:09:27
3439.30 111.4 00:09:18
3444.99 00:09:09
3436.49 111.4 00:09:00
3437.64 00:08:51
3435.73 111.4 00:08:42
3437.71 00:08:33
3436.79 111.4 00:08:24
3443.29 00:08:15
3437.24 111.4 00:08:06
3452.39 00:07:57
3473.73 111.4 00:07:48
3427.05 00:07:39
3438.29 111.4 00:07:30
3428.55 00:07:21
3434.72 111.4 00:07:12
3436.21 00:07:03
3465.85 111.4 00:06:54
3473.64 00:06:45
3475.41 111.4 00:06:36
3431.21 00:06:27
3429.39 111.4 00:06:18
3427.19 00:06:09
3432.33 111.4 00:06:00
3398.93 00:05:51
3396.11 111.3 00:05:42
3392.84 00:05:33
3431.98 111.3 00:05:24
3381.87 00:05:15
3379.92 111.3 00:05:06
3364.33 00:04:57
3553.85 111.3 00:04:48
Pump Up Started
3558.78 00:04:39
3559.02 111.3 00:04:30



MRPOUD Motor Speed (POUDMS)
0 (RPM) 5000

PC 50 V Supply (50V)
30 (V) 80

MRPS 1 Quartz Gauge Pressure (BQP1)
0 (PSIA) 5000

MRPS 1 Strain Gauge Pressure (BSG1)
0 (PSIG) 5000

MRPOUD Hydraulic Pressure (POUDHP)
0 (PSIG) 5000

MRPOUD Hydraulic Pump Output Volume (POUDPV)
0 (C3) 10000

Resistivity Cell Temp B1TR (B1TR) (DEGC)

MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)

Elapsed Time (ETIM) (S)

MRPOUD Solenoid 3 Status (POUDS3)
0 (---- 5

Low Gas

Medium Gas

High Gas

Highly Absorbing Fluid

Water

Oil

MRPS 1 Flowline Fluid Resistivity (BFR1)
0.01 (OHMM) 1

LFA Fluid Coloration (FCOL_LFA)
(----
0.000001 0.0001

LFA Fluid Coloration (FCOL_LFA)
0.0001 (---- 0.01

LFA Optical Density Channel 0 (FAOD_LFA[0])
0 (---- 40

LFA Optical Density Channel 1 (FAOD_LFA[1])
-4 (---- 36

LFA Optical Density Channel 2 (FAOD_LFA[2])
-8 (---- 32

LFA Optical Density Channel 3 (FAOD_LFA[3])
-12 (---- 28

LFA Optical Density Channel 4 (FAOD_LFA[4])
-16 (---- 24

LFA Optical Density Channel 5 (FAOD_LFA[5])
-20 (---- 20

MRMS 1 Lower Valve Position (MLP1)
-25 (---- 250

LFA Optical Density Channel 6 (FAOD_LFA[6])
-24 (---- 16

MRMS 1 Upper Valve Position (MUP1)
-25 (---- 250

LFA Optical Density Channel 7 (FAOD_LFA[7])
-28 (---- 12

LFA Optical Density Channel 8 (FAOD

LFA[8])

−32 (---- 8

LFA Optical Density Channel 9 (FAOD_ LFA[9])

−36 (---- 4

Format: LFA_Station_with_MRPS−1 Vertical Scale: 1" per 60S Graphics File Created: 08−Apr−2006 20:44

OP System Version: 14C0−302

MCM

MRPS_1	unofficial	MRHY_1	unofficial
MRPO_UD	unofficial	LFA	unofficial
MRMS_1	unofficial	MRPC	unofficial
SGT−L	unofficial	TCC−B	unofficial
ACTS−B1	unofficial		

Output DLIS Files

DEFAULT	MDT_OFA_correlation_104LTP	FN:155	PRODUCER	08−Apr−2006 20:44	
MDT_TLC	MDT_OFA_correlation_104LTP	FN:156	PRODUCER	08−Apr−2006 20:44	

Output DLIS Files

DEFAULT	MDT_OFA_correlation_104LTP	FN:155	PRODUCER	08−Apr−2006 20:44	3060.0 M	7.8 M
MDT_TLC	MDT_OFA_correlation_104LTP	FN:156	PRODUCER	08−Apr−2006 20:44	3060.0 M	7.8 M

Event Summary

Elapsed Time (s)	Event Summary
3010.5	Retract Single Probe Module (MRPS) 1
2928.0	Pumping Stopped 5820.0 C3 Dual Up−down Pumpout Module (MRPOUD)
2863.2	Seal MDT Multi−Sample (MRMS) 1, bottle 3
2508.6	Open MDT Multi−Sample (MRMS) 1, bottle 3, sample number = 3
2199.9	Seal MDT Multi−Sample (MRMS) 1, bottle 2
1932.0	Open MDT Multi−Sample (MRMS) 1, bottle 2, sample number = 2
1730.1	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
1723.2	Pumping Stopped 0.0 C3 Dual Up−down Pumpout Module (MRPOUD)
1691.4	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
1614.9	Pumping Stopped 7275.0 C3 Dual Up−down Pumpout Module (MRPOUD)
1261.8	Seal MDT Multi−Sample (MRMS) 1, bottle 1
1008.0	Open MDT Multi−Sample (MRMS) 1, bottle 1, sample number = 1
289.8	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
151.8	Vert Pretest 10.2 cc @ 60 C3/M Single Probe Module (MRPS) 1
79.2	Probe Set @ 3060.0 M Single Probe Module (MRPS) 1

PIP SUMMARY

Time Mark Every 60 S

MRPS 1 Quartz Gauge Temperature (BQT1)

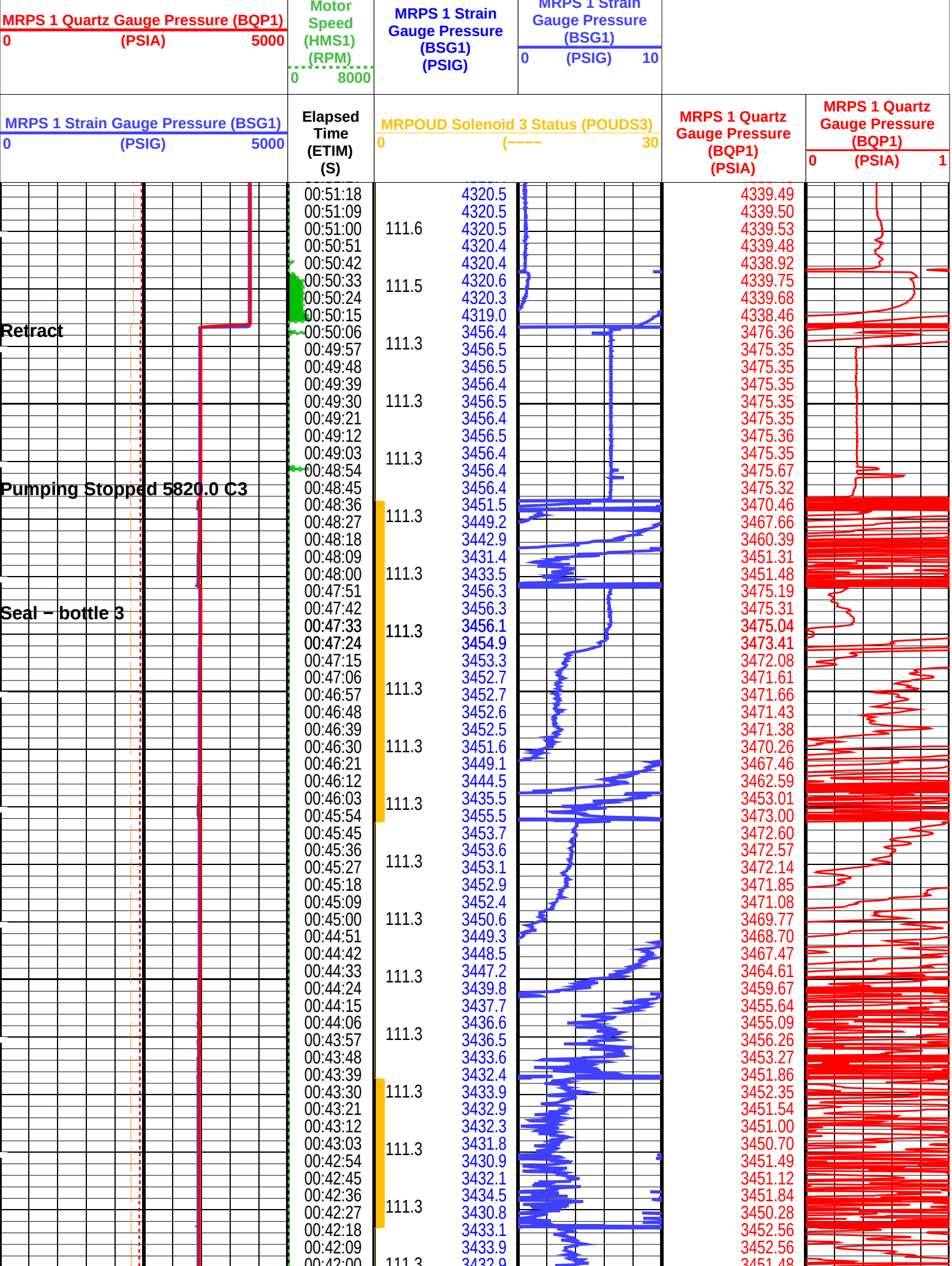
100 (DEGC) 125

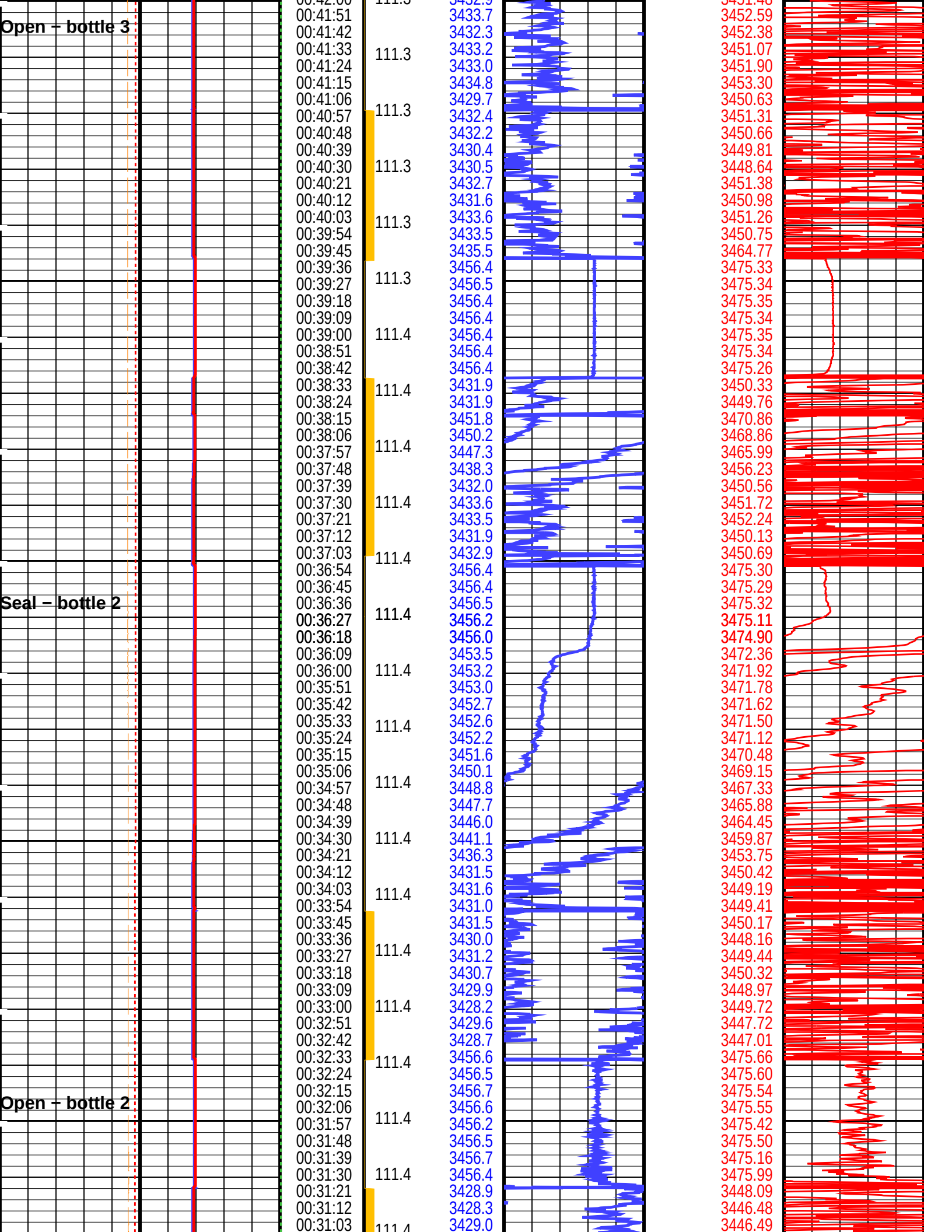
MRPS 1 Resistivity Cell Temperature (B1TR)

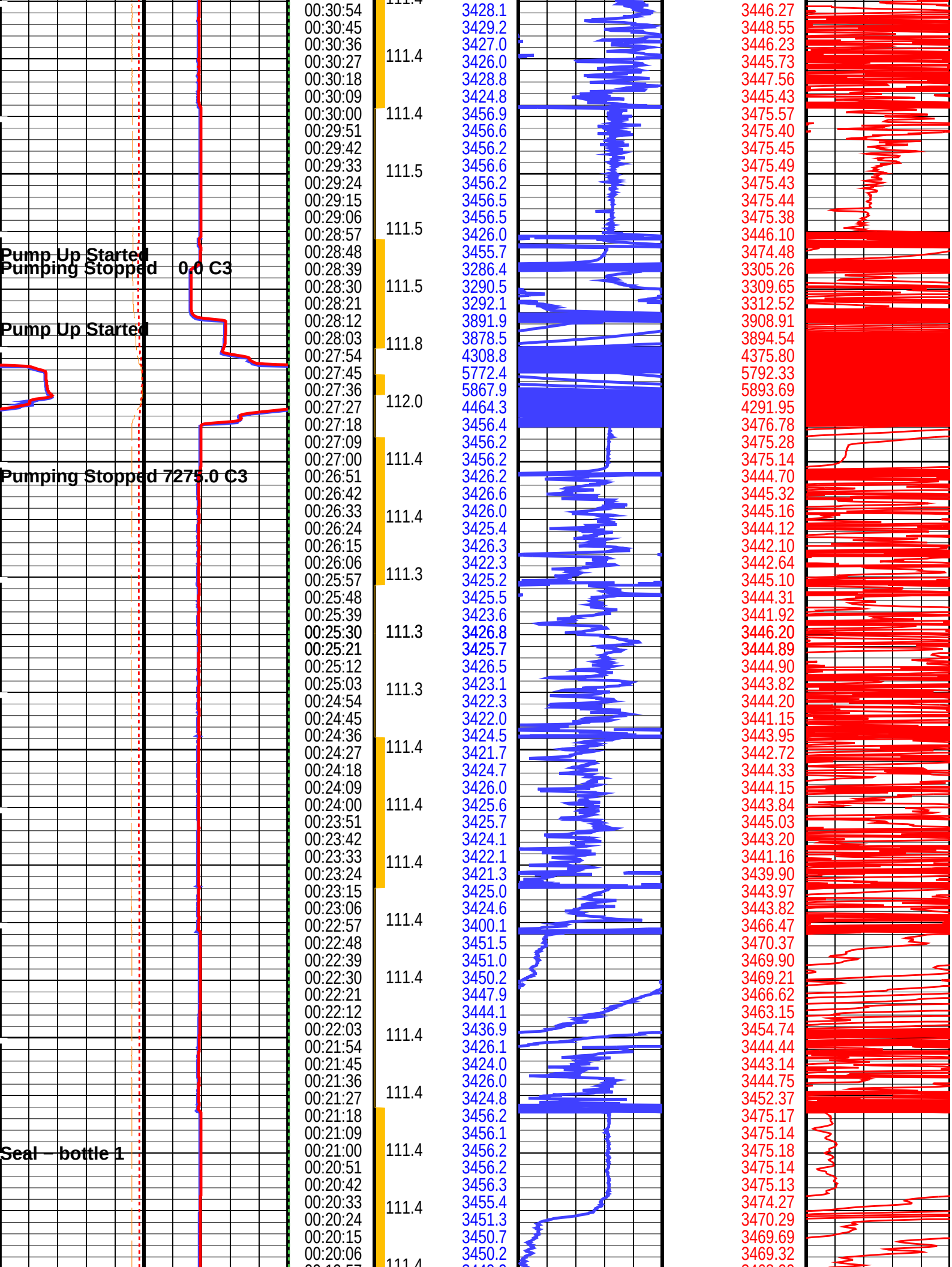
100 (DEGC) 125

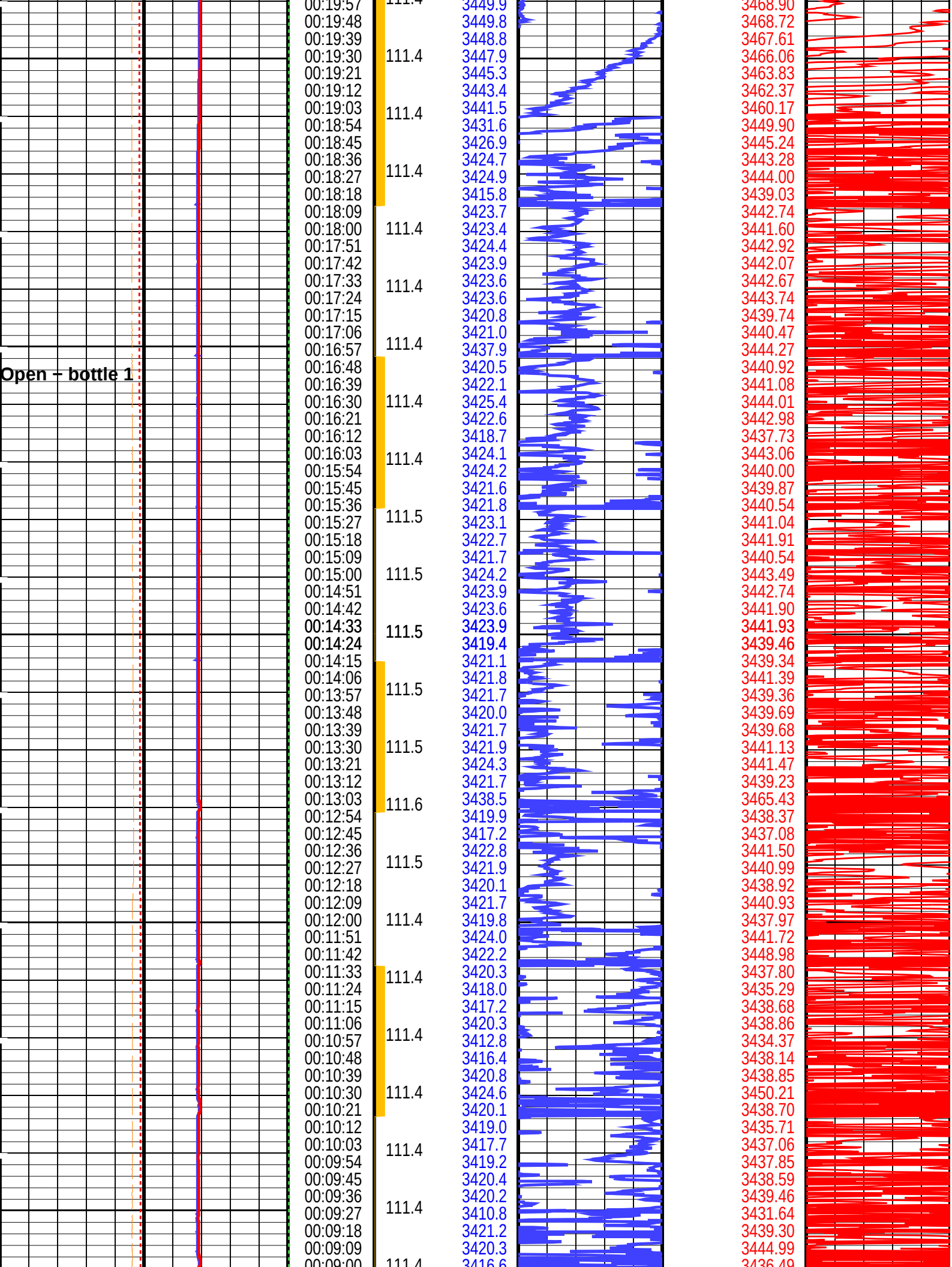
MRPS 1 Resistivity Cell Temperature (B1TR) (DEGC)

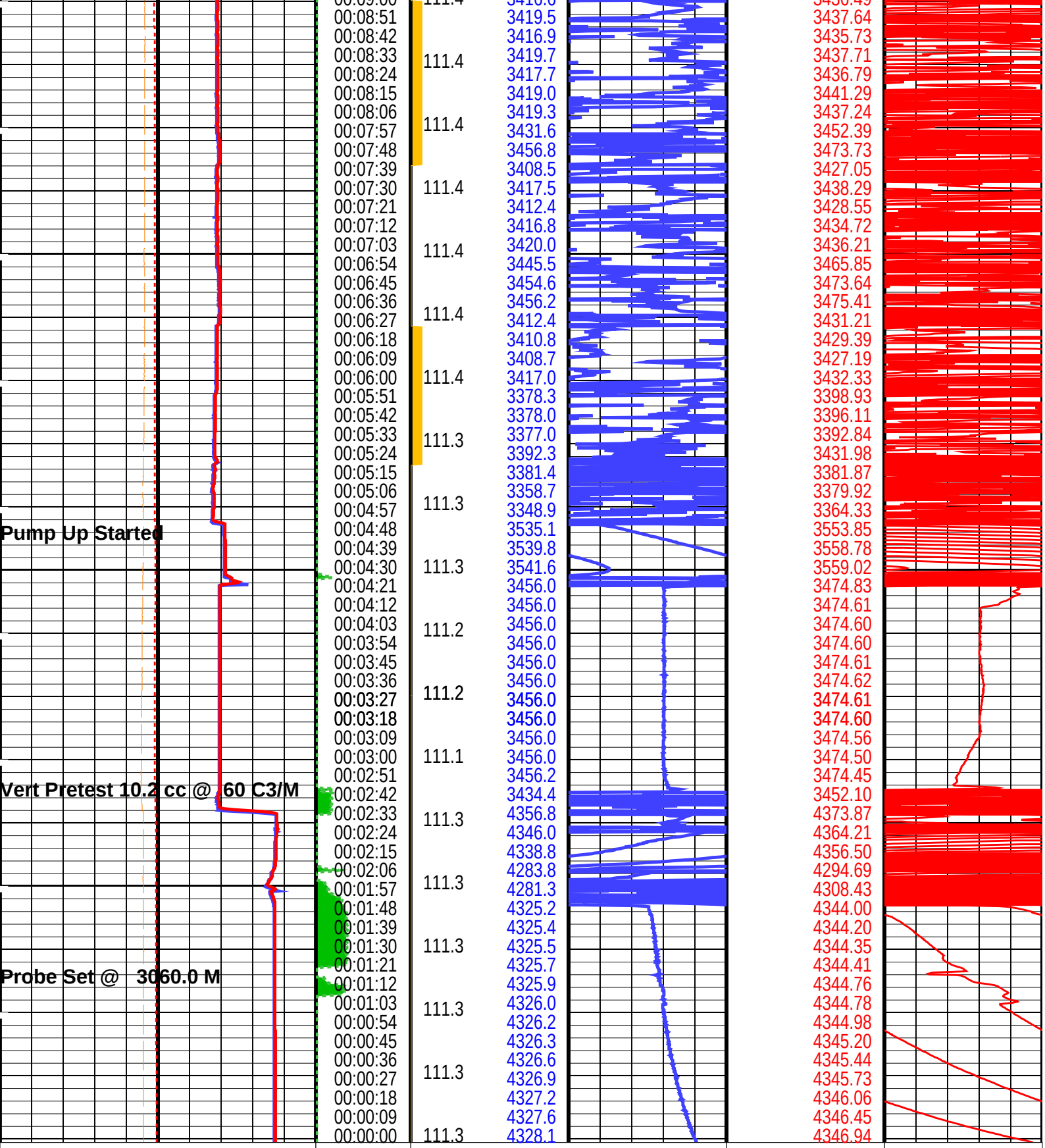
MRHY 1


MRPS 1 Quartz Gauge Pressure (BQP1)
0 (PSIA) 5000
Motor Speed (HMS1) (RPM)
0 8000
MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)
MRPS 1 Strain Gauge Pressure (BSG1)
0 (PSIG) 10
MRPS 1 Strain Gauge Pressure (BSG1)
0 (PSIG) 5000
Elapsed Time (ETIM) (S)
MRPOUD Solenoid 3 Status (POUDS3)
0 (---- 30
MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)
MRPS 1 Quartz Gauge Pressure (BQP1)
0 (PSIA) 1
Retract
Pumping Stopped 5820.0 C3
Seal – bottle 3
00:51:18 4320.5 4339.49
00:51:09 4320.5 4339.50
00:51:00 111.6 4320.5 4339.53
00:50:51 4320.4 4339.48
00:50:42 4320.4 4338.92
00:50:33 111.5 4320.6 4339.75
00:50:24 4320.3 4339.68
00:50:15 4319.0 4338.46
00:50:06 3456.4 3476.36
00:49:57 111.3 3456.5 3475.35
00:49:48 3456.5 3475.35
00:49:39 3456.4 3475.35
00:49:30 111.3 3456.5 3475.35
00:49:21 3456.4 3475.35
00:49:12 3456.5 3475.36
00:49:03 111.3 3456.4 3475.35
00:48:54 3456.4 3475.67
00:48:45 3456.4 3475.32
00:48:36 3451.5 3470.46
00:48:27 111.3 3449.2 3467.66
00:48:18 3442.9 3460.39
00:48:09 3431.4 3451.31
00:48:00 111.3 3433.5 3451.48
00:47:51 3456.3 3475.19
00:47:42 3456.3 3475.31
00:47:33 111.3 3456.1 3475.04
00:47:24 3454.9 3473.41
00:47:15 3453.3 3472.08
00:47:06 3452.7 3471.61
00:46:57 111.3 3452.7 3471.66
00:46:48 3452.6 3471.43
00:46:39 3452.5 3471.38
00:46:30 111.3 3451.6 3470.26
00:46:21 3449.1 3467.46
00:46:12 3444.5 3462.59
00:46:03 111.3 3435.5 3453.01
00:45:54 3455.5 3473.00
00:45:45 3453.7 3472.60
00:45:36 3453.6 3472.57
00:45:27 111.3 3453.1 3472.14
00:45:18 3452.9 3471.85
00:45:09 3452.4 3471.08
00:45:00 111.3 3450.6 3469.77
00:44:51 3449.3 3468.70
00:44:42 3448.5 3467.47
00:44:33 111.3 3447.2 3464.61
00:44:24 3439.8 3459.67
00:44:15 3437.7 3455.64
00:44:06 3436.6 3455.09
00:43:57 111.3 3436.5 3456.26
00:43:48 3433.6 3453.27
00:43:39 3432.4 3451.86
00:43:30 111.3 3433.9 3452.35
00:43:21 3432.9 3451.54
00:43:12 3432.3 3451.00
00:43:03 111.3 3431.8 3450.70
00:42:54 3430.9 3451.49
00:42:45 3432.1 3451.12
00:42:36 3434.5 3451.84
00:42:27 111.3 3430.8 3450.28
00:42:18 3433.1 3452.56
00:42:09 3433.9 3452.56


Open − bottle 3
Seal − bottle 2
Open − bottle 2
00:41:51 3433.7 3452.59
00:41:42 3432.3 3452.38
00:41:33 111.3 3433.2 3451.07
00:41:24 3433.0 3451.90
00:41:15 3434.8 3453.30
00:41:06 3429.7 3450.63
00:40:57 111.3 3432.4 3451.31
00:40:48 3432.2 3450.66
00:40:39 3430.4 3449.81
00:40:30 111.3 3430.5 3448.64
00:40:21 3432.7 3451.38
00:40:12 3431.6 3450.98
00:40:03 111.3 3433.6 3451.26
00:39:54 3433.5 3450.75
00:39:45 3435.5 3464.77
00:39:36 3456.4 3475.33
00:39:27 111.3 3456.5 3475.34
00:39:18 3456.4 3475.35
00:39:09 3456.4 3475.34
00:39:00 111.4 3456.4 3475.35
00:38:51 3456.4 3475.34
00:38:42 3456.4 3475.26
00:38:33 111.4 3431.9 3450.33
00:38:24 3431.9 3449.76
00:38:15 3451.8 3470.86
00:38:06 3450.2 3468.86
00:37:57 111.4 3447.3 3465.99
00:37:48 3438.3 3456.23
00:37:39 3432.0 3450.56
00:37:30 111.4 3433.6 3451.72
00:37:21 3433.5 3452.24
00:37:12 3431.9 3450.13
00:37:03 111.4 3432.9 3450.69
00:36:54 3456.4 3475.30
00:36:45 3456.4 3475.29
00:36:36 3456.5 3475.32
00:36:27 111.4 3456.2 3475.11
00:36:18 3456.0 3474.90
00:36:09 3453.5 3472.36
00:36:00 111.4 3453.2 3471.92
00:35:51 3453.0 3471.78
00:35:42 3452.7 3471.62
00:35:33 111.4 3452.6 3471.50
00:35:24 3452.2 3471.12
00:35:15 3451.6 3470.48
00:35:06 3450.1 3469.15
00:34:57 111.4 3448.8 3467.33
00:34:48 3447.7 3465.88
00:34:39 3446.0 3464.45
00:34:30 111.4 3441.1 3459.87
00:34:21 3436.3 3453.75
00:34:12 3431.5 3450.42
00:34:03 111.4 3431.6 3449.19
00:33:54 3431.0 3449.41
00:33:45 3431.5 3450.17
00:33:36 111.4 3430.0 3448.16
00:33:27 3431.2 3449.44
00:33:18 3430.7 3450.32
00:33:09 3429.9 3448.97
00:33:00 111.4 3428.2 3449.72
00:32:51 3429.6 3447.72
00:32:42 3428.7 3447.01
00:32:33 111.4 3456.6 3475.66
00:32:24 3456.5 3475.60
00:32:15 3456.7 3475.54
00:32:06 3456.6 3475.55
00:31:57 111.4 3456.2 3475.42
00:31:48 3456.5 3475.50
00:31:39 3456.7 3475.16
00:31:30 111.4 3456.4 3475.99
00:31:21 3428.9 3448.09
00:31:12 3428.3 3446.48
00:31:03 3429.0 3446.49


Pump Up Started
Pumping Stopped 0.0 C3
Pump Up Started
Pumping Stopped 7275.0 C3
Seal – bottle 1


Open + bottle 1
00:19:57 111.4 3449.9 3468.90
00:19:48 3449.8 3468.72
00:19:39 3448.8 3467.61
00:19:30 111.4 3447.9 3466.06
00:19:21 3445.3 3463.83
00:19:12 3443.4 3462.37
00:19:03 111.4 3441.5 3460.17
00:18:54 3431.6 3449.90
00:18:45 3426.9 3445.24
00:18:36 3424.7 3443.28
00:18:27 111.4 3424.9 3444.00
00:18:18 3415.8 3439.03
00:18:09 3423.7 3442.74
00:18:00 111.4 3423.4 3441.60
00:17:51 3424.4 3442.92
00:17:42 3423.9 3442.07
00:17:33 111.4 3423.6 3442.67
00:17:24 3423.6 3443.74
00:17:15 3420.8 3439.74
00:17:06 3421.0 3440.47
00:16:57 111.4 3437.9 3444.27
00:16:48 3420.5 3440.92
00:16:39 3422.1 3441.08
00:16:30 111.4 3425.4 3444.01
00:16:21 3422.6 3442.98
00:16:12 3418.7 3437.73
00:16:03 111.4 3424.1 3443.06
00:15:54 3424.2 3440.00
00:15:45 3421.6 3439.87
00:15:36 3421.8 3440.54
00:15:27 111.5 3423.1 3441.04
00:15:18 3422.7 3441.91
00:15:09 3421.7 3440.54
00:15:00 111.5 3424.2 3443.49
00:14:51 3423.9 3442.74
00:14:42 3423.6 3441.90
00:14:33 111.5 3423.9 3441.93
00:14:24 3419.4 3439.46
00:14:15 3421.1 3439.34
00:14:06 111.5 3421.8 3441.39
00:13:57 3421.7 3439.36
00:13:48 3420.0 3439.69
00:13:39 3421.7 3439.68
00:13:30 111.5 3421.9 3441.13
00:13:21 3424.3 3441.47
00:13:12 3421.7 3439.23
00:13:03 111.6 3438.5 3465.43
00:12:54 3419.9 3438.37
00:12:45 3417.2 3437.08
00:12:36 3422.8 3441.50
00:12:27 111.5 3421.9 3440.99
00:12:18 3420.1 3438.92
00:12:09 3421.7 3440.93
00:12:00 111.4 3419.8 3437.97
00:11:51 3424.0 3441.72
00:11:42 3422.2 3448.98
00:11:33 111.4 3420.3 3437.80
00:11:24 3418.0 3435.29
00:11:15 3417.2 3438.68
00:11:06 111.4 3420.3 3438.86
00:10:57 3412.8 3434.37
00:10:48 3416.4 3438.14
00:10:39 3420.8 3438.85
00:10:30 111.4 3424.6 3450.21
00:10:21 3420.1 3438.70
00:10:12 3419.0 3435.71
00:10:03 111.4 3417.7 3437.06
00:09:54 3419.2 3437.85
00:09:45 3420.4 3438.59
00:09:36 3420.2 3439.46
00:09:27 111.4 3410.8 3431.64
00:09:18 3421.2 3439.30
00:09:09 3420.3 3444.99
00:09:00 111.4 3416.6 3436.49



Elapsed Time (ETIM) (S)	MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)	MRPOUD Solenoid 3 Status (POUDS3)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRPS 1 Quartz Gauge Pressure (BQP1) (PSIA)	MRHY 1 Motor Speed (HMS1) (RPM)	MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)	MRPS 1 Strain Gauge Pressure (BSG1) (PSIG)	MRPS 1 Resistivity Cell Temperature	MRPS 1 Resistivity
00:08:51				3437.64			3419.5			
00:08:42				3435.73			3416.9			
00:08:33		111.4		3437.71			3419.7			
00:08:24				3436.79			3417.7			
00:08:15				3441.29			3419.0			
00:08:06				3437.24			3419.3			
00:07:57		111.4		3452.39			3431.6			
00:07:48				3473.73			3456.8			
00:07:39				3427.05			3408.5			
00:07:30		111.4		3438.29			3417.5			
00:07:21				3428.55			3412.4			
00:07:12				3434.72			3416.8			
00:07:03		111.4		3436.21			3420.0			
00:06:54				3465.85			3445.5			
00:06:45				3473.64			3454.6			
00:06:36				3475.41			3456.2			
00:06:27		111.4		3431.21			3412.4			
00:06:18				3429.39			3410.8			
00:06:09				3427.19			3408.7			
00:06:00		111.4		3432.33			3417.0			
00:05:51				3398.93			3378.3			
00:05:42				3396.11			3378.0			
00:05:33		111.3		3392.84			3377.0			
00:05:24				3431.98			3392.3			
00:05:15				3381.87			3381.4			
00:05:06				3379.92			3358.7			
00:04:57		111.3		3364.33			3348.9			
00:04:48				3553.85			3535.1			
00:04:39				3558.78			3539.8			
00:04:30		111.3		3559.02			3541.6			
00:04:21				3474.83			3456.0			
00:04:12				3474.61			3456.0			
00:04:03		111.2		3474.60			3456.0			
00:03:54				3474.60			3456.0			
00:03:45				3474.61			3456.0			
00:03:36				3474.62			3456.0			
00:03:27		111.2		3474.61			3456.0			
00:03:18				3474.60			3456.0			
00:03:09				3474.56			3456.0			
00:03:00		111.1		3474.50			3456.0			
00:02:51				3474.45			3456.2			
00:02:42				3452.10			3434.4			
00:02:33		111.3		3373.87			4356.8			
00:02:24				4364.21			4346.0			
00:02:15				4356.50			4338.8			
00:02:06		111.3		4294.69			4283.8			
00:01:57				4308.43			4281.3			
00:01:48				4344.00			4325.2			
00:01:39				4344.20			4325.4			
00:01:30		111.3		4344.35			4325.5			
00:01:21				4344.41			4325.7			
00:01:12				4344.76			4325.9			
00:01:03		111.3		4344.78			4326.0			
00:00:54				4344.98			4326.2			
00:00:45				4345.20			4326.3			
00:00:36				4345.44			4326.6			
00:00:27		111.3		4345.73			4326.9			
00:00:18				4346.06			4327.2			
00:00:09				4346.45			4327.6			
00:00:00		111.3		4346.94			4328.1			

(B1TR)
100 (DEGC) 125

MRPS 1 Quartz Gauge Temperature (BQT1)
100 (DEGC) 125

Cell Temperature (B1TR) (DEGC)

PIP SUMMARY

Time Mark Every 60 S

Format: MRPS_1_SGQG_Station Vertical Scale: 1" per 60S Graphics File Created: 08−Apr−2006 20:44

OP System Version: 14C0−302

MCM

MRPS_1	unofficial	MRHY_1	unofficial
MRPO_UD	unofficial	LFA	unofficial
MRMS_1	unofficial	MRPC	unofficial
SGT−L	unofficial	TCC−B	unofficial
ACTS−B1	unofficial		

Output DLIS Files

DEFAULT	MDT_OFA_correlation_104LTP	FN:155	PRODUCER	08−Apr−2006 20:44
MDT_TLC	MDT_OFA_correlation_104LTP	FN:156	PRODUCER	08−Apr−2006 20:44

Schlumberger

LFA OBM Log
Surface Check

MAXIS Field Log

Output DLIS Files

DEFAULT	OFA_MDT_025LTP	FN:24	PRODUCER	04−Apr−2006 11:23

LFA Optical Density Channel 9 (FAOD_LFA[9])
−36 (−−−− 4

LFA Optical Density Channel 8 (FAOD_LFA[8])
−32 (−−−− 8

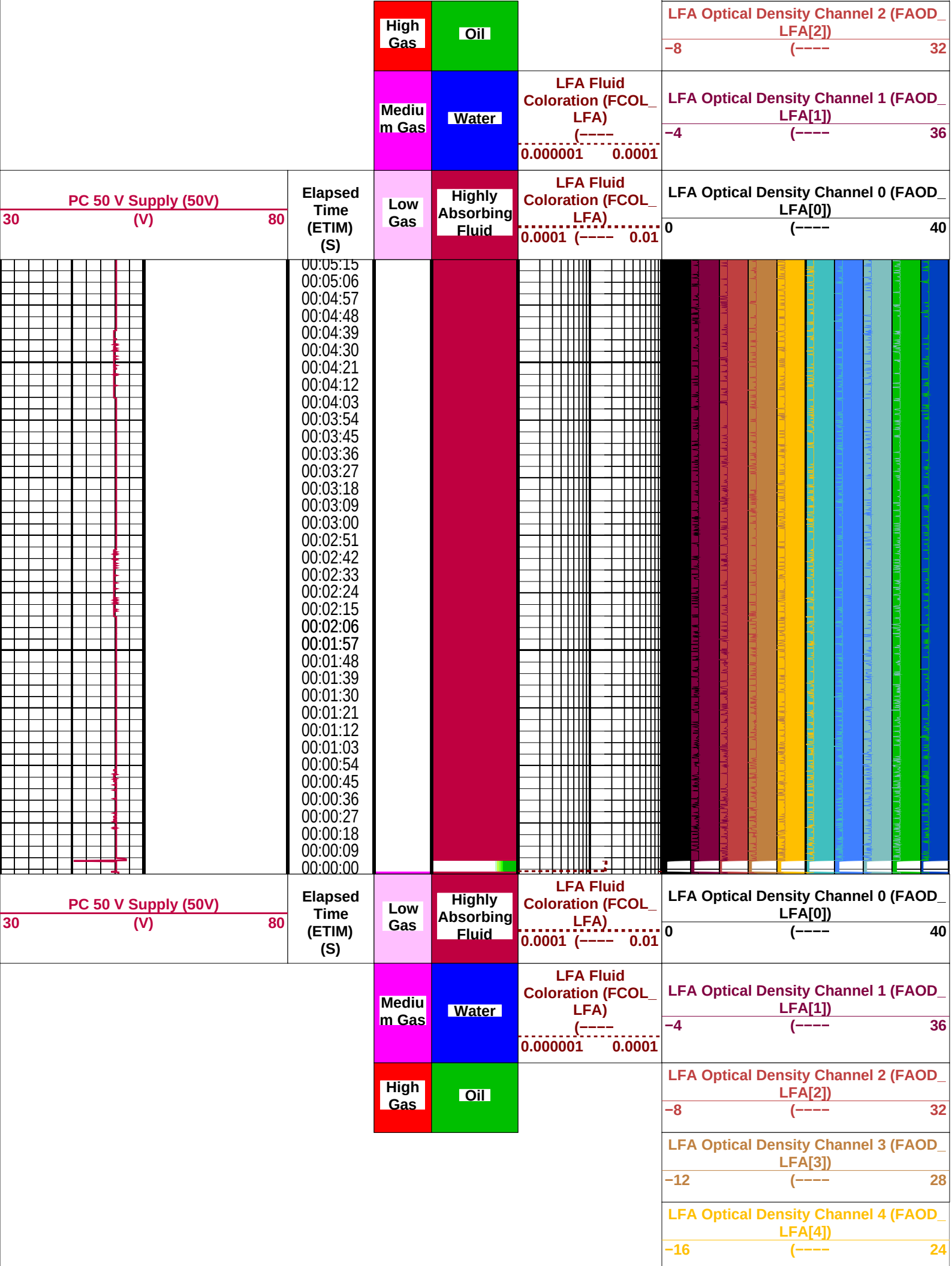
LFA Optical Density Channel 7 (FAOD_LFA[7])
−28 (−−−− 12

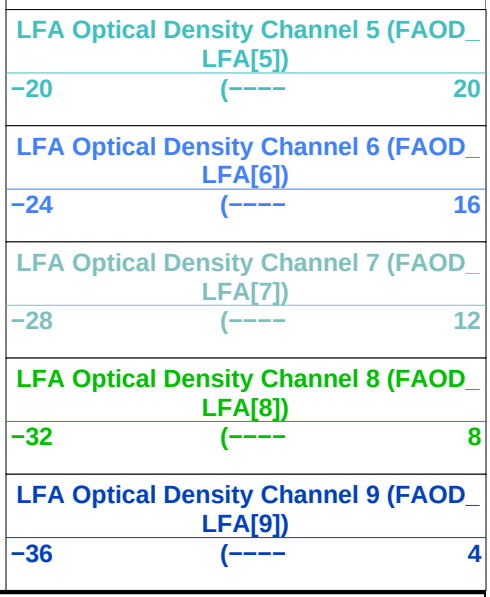
LFA Optical Density Channel 6 (FAOD_LFA[6])
−24 (−−−− 16

LFA Optical Density Channel 5 (FAOD_LFA[5])
−20 (−−−− 20

LFA Optical Density Channel 4 (FAOD_LFA[4])
−16 (−−−− 24

LFA Optical Density Channel 3 (FAOD_LFA[3])
−12 (−−−− 28


High Gas
Oil
Medium Gas
Water
LFA Fluid Coloration (FCOL_LFA)
(----
0.000001
0.0001
LFA Optical Density Channel 2 (FAOD_LFA[2])
−8
(----
32
LFA Optical Density Channel 1 (FAOD_LFA[1])
−4
(----
36
PC 50 V Supply (50V)
30
(V)
80
Elapsed Time (ETIM) (S)
Low Gas
Highly Absorbing Fluid
LFA Fluid Coloration (FCOL_LFA)
0.0001
(----
0.01
LFA Optical Density Channel 0 (FAOD_LFA[0])
0
(----
40
00:05:15
00:05:06
00:04:57
00:04:48
00:04:39
00:04:30
00:04:21
00:04:12
00:04:03
00:03:54
00:03:45
00:03:36
00:03:27
00:03:18
00:03:09
00:03:00
00:02:51
00:02:42
00:02:33
00:02:24
00:02:15
00:02:06
00:01:57
00:01:48
00:01:39
00:01:30
00:01:21
00:01:12
00:01:03
00:00:54
00:00:45
00:00:36
00:00:27
00:00:18
00:00:09
00:00:00
PC 50 V Supply (50V)
30
(V)
80
Elapsed Time (ETIM) (S)
Low Gas
Highly Absorbing Fluid
LFA Fluid Coloration (FCOL_LFA)
0.0001
(----
0.01
LFA Optical Density Channel 0 (FAOD_LFA[0])
0
(----
40
Medium Gas
Water
LFA Fluid Coloration (FCOL_LFA)
(----
0.000001
0.0001
LFA Optical Density Channel 1 (FAOD_LFA[1])
−4
(----
36
High Gas
Oil
LFA Optical Density Channel 2 (FAOD_LFA[2])
−8
(----
32
LFA Optical Density Channel 3 (FAOD_LFA[3])
−12
(----
28
LFA Optical Density Channel 4 (FAOD_LFA[4])
−16
(----
24



Parameters

DLIS Name	Description	Value	
	LFA: Live Fluid Analyzer		
C1C7SIG_LFA	LFA C1/C7 Signal Values in 1g/cc	** V **	
CEXP_LFA	LFA Coloration Exponent	4.6	
FAGM_LFA	LFA GOR Allow/Disallow Mode	ALLOW	
FAJM_LFA	LFA Job Mode	LFA	
FATCM_LFA	LFA Temp. Coef. Measure Mode	** V **	
FATCS_LFA	LFA Temp. Coef. Source Mode	** V **	
GASH_LFA	LFA Gas Indicator High Level Threshold	0.4	
GASL_LFA	LFA Gas Indicator Low Level Threshold	0.05	
GASM_LFA	LFA Gas Indicator Medium Level Threshold	0.1	
GORD_LFA	LFA GOR Disqualification Level	0.1	
PDCO	Probe Depth Correction Offset	0	M
SATL_LFA	LFA Saturation Level of Optical Density Measurement	** V **	
TCPS_STATUS_LFA	LFA Temperature Compensation Coefficient Status	VALID	
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: LFA_Station_with_MRPS−1 Vertical Scale: 1" per 60S Graphics File Created: 04−Apr−2006 11:24

OP System Version: 14C0−302

MCM

LFA	unofficial	MRPC	unofficial
TCC−BF	unofficial		

Output DLIS Files

DEFAULT	OFA_MDT_025LTP	FN:24	PRODUCER	04−Apr−2006 11:23

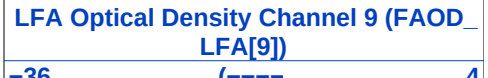
Schlumberger

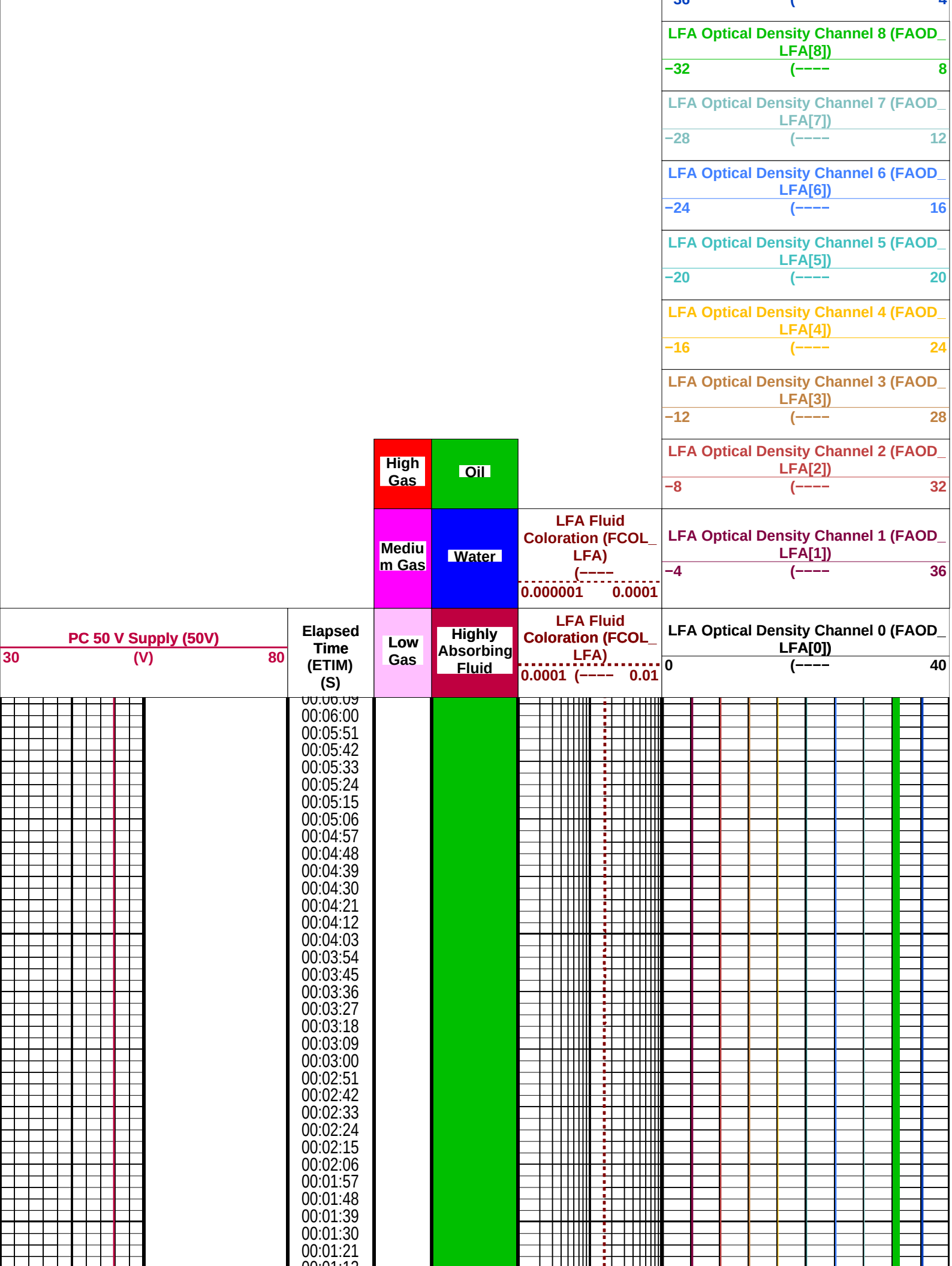
LFA Base Oil Log
Surface Check

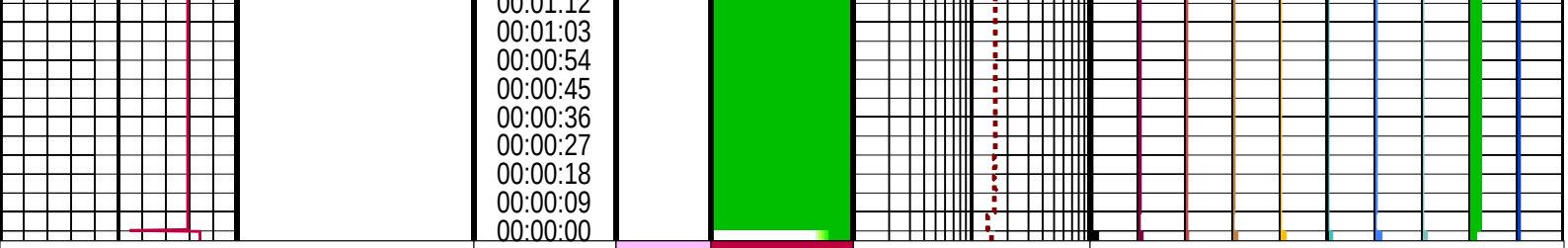
MAXIS Field Log

Output DLIS Files

DEFAULT	OFA_MDT_024LTP	FN:23	PRODUCER	04−Apr−2006 09:29




LFA Optical Density Channel 8 (FAOD_LFA[8])
−32 (−−−− 8
LFA Optical Density Channel 7 (FAOD_LFA[7])
−28 (−−−− 12
LFA Optical Density Channel 6 (FAOD_LFA[6])
−24 (−−−− 16
LFA Optical Density Channel 5 (FAOD_LFA[5])
−20 (−−−− 20
LFA Optical Density Channel 4 (FAOD_LFA[4])
−16 (−−−− 24
LFA Optical Density Channel 3 (FAOD_LFA[3])
−12 (−−−− 28
LFA Optical Density Channel 2 (FAOD_LFA[2])
−8 (−−−− 32
High Gas
Oil
Medium Gas
Water
LFA Fluid Coloration (FCOL_LFA)
(−−−−
0.000001 0.0001
LFA Optical Density Channel 1 (FAOD_LFA[1])
−4 (−−−− 36
PC 50 V Supply (50V)
30 (V) 80
Elapsed Time (ETIM) (S)
Low Gas
Highly Absorbing Fluid
LFA Fluid Coloration (FCOL_LFA)
0.0001 (−−−− 0.01
LFA Optical Density Channel 0 (FAOD_LFA[0])
0 (−−−− 40
00:06:09
00:06:00
00:05:51
00:05:42
00:05:33
00:05:24
00:05:15
00:05:06
00:04:57
00:04:48
00:04:39
00:04:30
00:04:21
00:04:12
00:04:03
00:03:54
00:03:45
00:03:36
00:03:27
00:03:18
00:03:09
00:03:00
00:02:51
00:02:42
00:02:33
00:02:24
00:02:15
00:02:06
00:01:57
00:01:48
00:01:39
00:01:30
00:01:21



PC 50 V Supply (50V)
30 (V) 80

Elapsed Time (ETIM) (S)

Low Gas
Highly Absorbing Fluid
Medium Gas
Water
High Gas
Oil

LFA Fluid Coloration (FCOL_LFA)
0.0001 (----- 0.01

LFA Fluid Coloration (FCOL_LFA)
(----
0.000001 0.0001

LFA Optical Density Channel 0 (FAOD_LFA[0])
0 (---- 40

LFA Optical Density Channel 1 (FAOD_LFA[1])
−4 (---- 36

LFA Optical Density Channel 2 (FAOD_LFA[2])
−8 (---- 32

LFA Optical Density Channel 3 (FAOD_LFA[3])
−12 (---- 28

LFA Optical Density Channel 4 (FAOD_LFA[4])
−16 (---- 24

LFA Optical Density Channel 5 (FAOD_LFA[5])
−20 (---- 20

LFA Optical Density Channel 6 (FAOD_LFA[6])
−24 (---- 16

LFA Optical Density Channel 7 (FAOD_LFA[7])
−28 (---- 12

LFA Optical Density Channel 8 (FAOD_LFA[8])
−32 (---- 8

LFA Optical Density Channel 9 (FAOD_LFA[9])
−36 (---- 4

Parameters

DLIS Name	Description	Value	
LFA: Live Fluid Analyzer			
C1C7SIG_LFA	LFA C1/C7 Signal Values in 1g/cc	** V **	
CEXP_LFA	LFA Coloration Exponent	4.6	
FAGM_LFA	LFA GOR Allow/Disallow Mode	ALLOW	
FAJM_LFA	LFA Job Mode	LFA	
FATCM_LFA	LFA Temp. Coef. Measure Mode	** V **	
FATCS_LFA	LFA Temp. Coef. Source Mode	** V **	
GASH_LFA	LFA Gas Indicator High Level Threshold	0.4	
GASL_LFA	LFA Gas Indicator Low Level Threshold	0.05	
GASM_LFA	LFA Gas Indicator Medium Level Threshold	0.1	
GORD_LFA	LFA GOR Disqualification Level	0.1	
PDCO	Probe Depth Correction Offset	0	M
SATL_LFA	LFA Saturation Level of Optical Density Measurement	** V **	
TCPS_STATUS_LFA	LFA Temperature Compensation Coefficient Status	VALID	
MRPC: Power Cartridge			
PDCO	Probe Depth Correction Offset	0	M

Format: LFA_Station_with_MRPS−1 Vertical Scale: 1" per 60S Graphics File Created: 04−Apr−2006 09:29

OP System Version: 14C0-302

MCM

LFA	unofficial	MRPC	unofficial
TCC-BF	unofficial		

Output DLIS Files

DEFAULT	OFA_MDT_024LTP	FN:23	PRODUCER	04-Apr-2006 09:29

Schlumberger

LFA Calibration Log
Oil/Water/Gas Surface Check

MAXIS Field Log

Company:	Well:

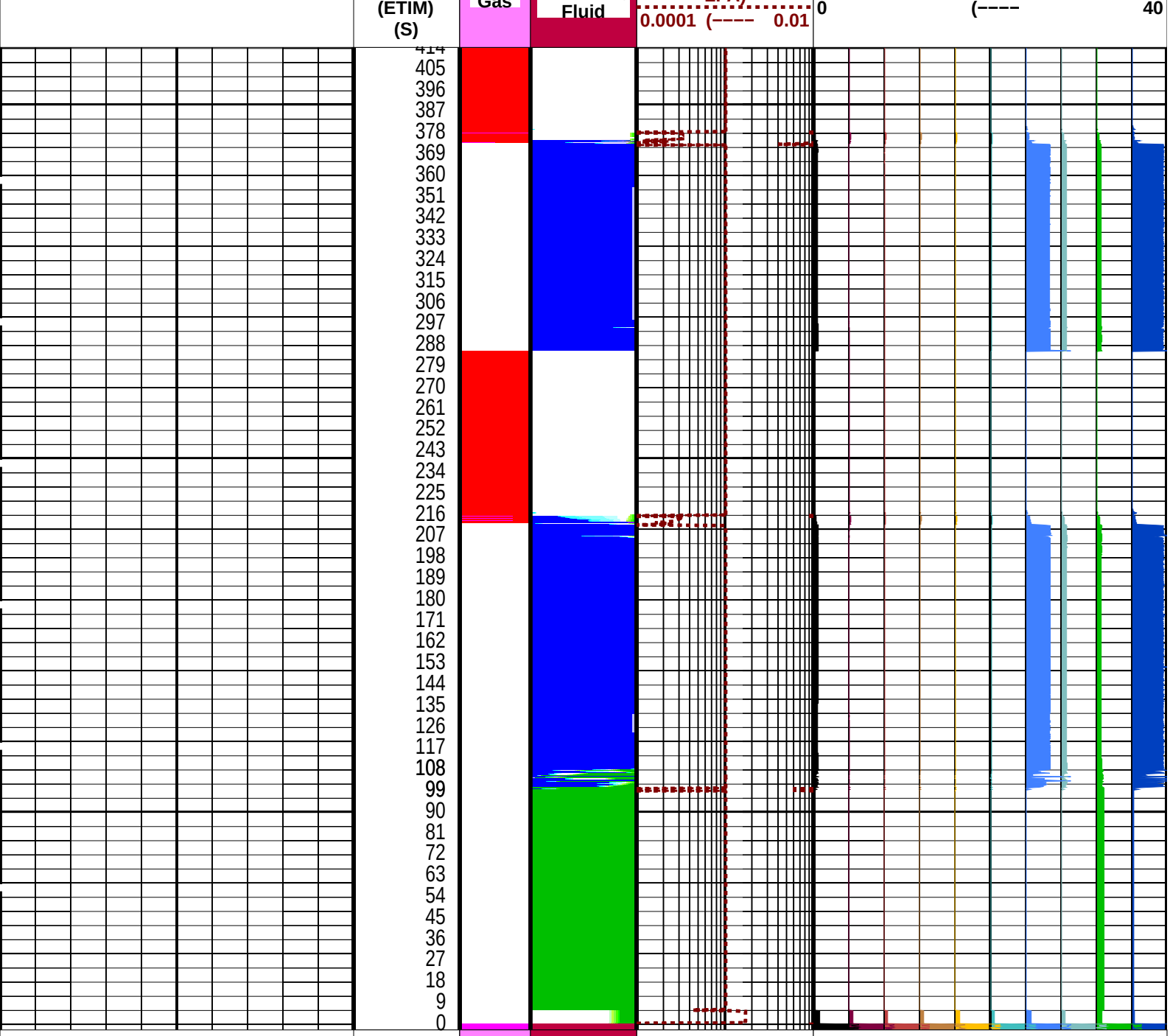
Output DLIS Files

DEFAULT	OFA_MDT_008LTP	FN:7	PRODUCER	27-Mar-2006 10:33	1000.0 M	1.1 M

PIP SUMMARY

Time Mark Every 60 S

				LFA Optical Density Channel 9 (FAOD_LFA[9])
				-36 (---- 4
				LFA Optical Density Channel 8 (FAOD_LFA[8])
				-32 (---- 8
				LFA Optical Density Channel 7 (FAOD_LFA[7])
				-28 (---- 12
				LFA Optical Density Channel 6 (FAOD_LFA[6])
				-24 (---- 16
				LFA Optical Density Channel 5 (FAOD_LFA[5])
				-20 (---- 20
				LFA Optical Density Channel 4 (FAOD_LFA[4])
				-16 (---- 24
				LFA Optical Density Channel 3 (FAOD_LFA[3])
				-12 (---- 28
	High Gas	Oil		LFA Optical Density Channel 2 (FAOD_LFA[2])
				-8 (---- 32
	Medium Gas	Water	LFA Fluid Coloration (FCOL_LFA) (---- 0.000001 0.0001	LFA Optical Density Channel 1 (FAOD_LFA[1])
				-4 (---- 36
Elapsed Time	Low Gas	Highly Absorbing	LFA Fluid Coloration (FCOL_LFA)	LFA Optical Density Channel 0 (FAOD_LFA[0])


Elapsed Time (ETIM) (S)
414
405
396
387
378
369
360
351
342
333
324
315
306
297
288
279
270
261
252
243
234
225
216
207
198
189
180
171
162
153
144
135
126
117
108
99
90
81
72
63
54
45
36
27
18
9
0
Low Gas
Highly Absorbing Fluid
LFA Fluid Coloration (FCOL_LFA)
0.0001 (---- 0.01
LFA Optical Density Channel 0 (FAOD_LFA[0])
0 (---- 40
Medium Gas
Water
LFA Fluid Coloration (FCOL_LFA)
(----
0.000001 0.0001
LFA Optical Density Channel 1 (FAOD_LFA[1])
-4 (---- 36
High Gas
Oil
LFA Optical Density Channel 2 (FAOD_LFA[2])
-8 (---- 32
LFA Optical Density Channel 3 (FAOD_LFA[3])
-12 (---- 28
LFA Optical Density Channel 4 (FAOD_LFA[4])
-16 (---- 24
LFA Optical Density Channel 5 (FAOD_LFA[5])

−20	(−−−−	20

LFA Optical Density Channel 6 (FAOD_LFA[6])

−24	(−−−−	16

LFA Optical Density Channel 7 (FAOD_LFA[7])

−28	(−−−−	12

LFA Optical Density Channel 8 (FAOD_LFA[8])

−32	(−−−−	8

LFA Optical Density Channel 9 (FAOD_LFA[9])

−36	(−−−−	4

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
LFA: Live Fluid Analyzer			
C1C7SIG_LFA	LFA C1/C7 Signal Values in 1g/cc	** V **	
CEXP_LFA	LFA Coloration Exponent	4.6	
FAGM_LFA	LFA GOR Allow/Disallow Mode	ALLOW	
FAJM_LFA	LFA Job Mode	LFA	
FATCM_LFA	LFA Temp. Coef. Measure Mode	** V **	
FATCS_LFA	LFA Temp. Coef. Source Mode	** V **	
GASH_LFA	LFA Gas Indicator High Level Threshold	0.4	
GASL_LFA	LFA Gas Indicator Low Level Threshold	0.05	
GASM_LFA	LFA Gas Indicator Medium Level Threshold	0.1	
GORD_LFA	LFA GOR Disqualification Level	0.1	
PDCO	Probe Depth Correction Offset	0	M
SATL_LFA	LFA Saturation Level of Optical Density Measurement	** V **	
TCPS_STATUS_LFA	LFA Temperature Compensation Coefficient Status	VALID	
MRPC: Power Cartridge			
PDCO	Probe Depth Correction Offset	0	M

Format: LFA_Station Vertical Scale: 1" per 60S Graphics File Created: 27−Mar−2006 10:34

OP System Version: 14C0−302

MCM

LFA	14C0−302	MRPC	14C0−302
SGT−L	14C0−302	TCC−BF	14C0−302

Output DLIS Files

DEFAULT	OFA_MDT_008LTP	FN:7	PRODUCER	27−Mar−2006 10:33	

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Correlation Passes

MAXIS Field Log

Input DLIS Files

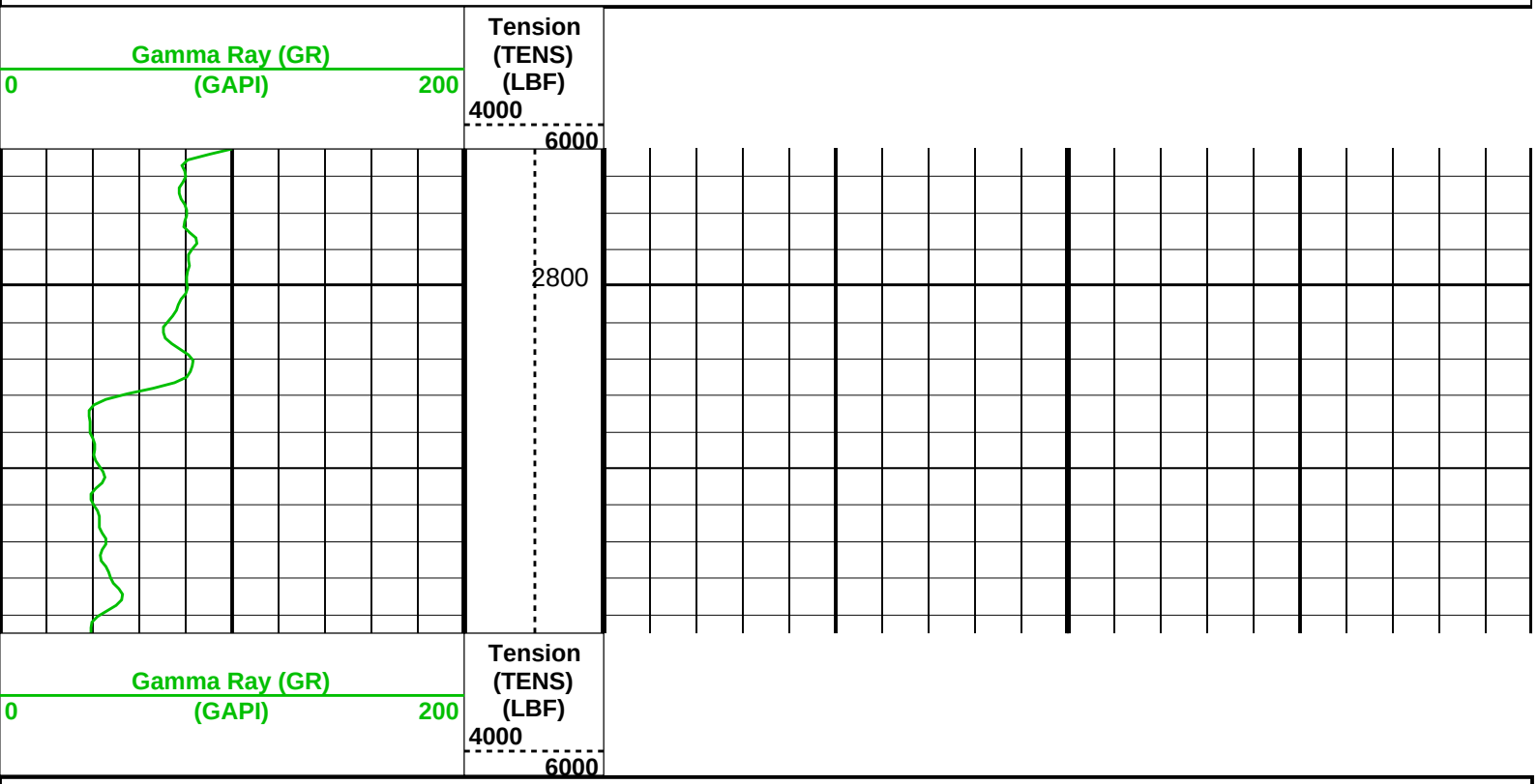
DEFAULT	Flip_MDT_OFA_154LUP	PRODUCER	09−Apr−2006 11:04	2809.5 M	2796.2 M

OP System Version: 14C0−302

OP System Version: 14C0−302

MCM

MRPS_1	unofficial	MRHY_1	unofficial
MRPO_UD	unofficial	LFA	unofficial
MRMS_1	unofficial	MRPC	unofficial
SGT−L	unofficial	TCC−B	unofficial
ACTS−B1	unofficial		



Format: CORRELATION Vertical Scale: 1:200 Graphics File Created: 09−Apr−2006 11:06

OP System Version: 14C0−302

MCM

MRPS_1	unofficial	MRHY_1	unofficial
MRPO_UD	unofficial	LFA	unofficial
MRMS_1	unofficial	MRPC	unofficial
SGT−L	unofficial	TCC−B	unofficial
ACTS−B1	unofficial		

Input DLIS Files

DEFAULT	Flip_MDT_OFA_154LUP	PRODUCER	09−Apr−2006 11:04	2809.5 M	2796.2 M

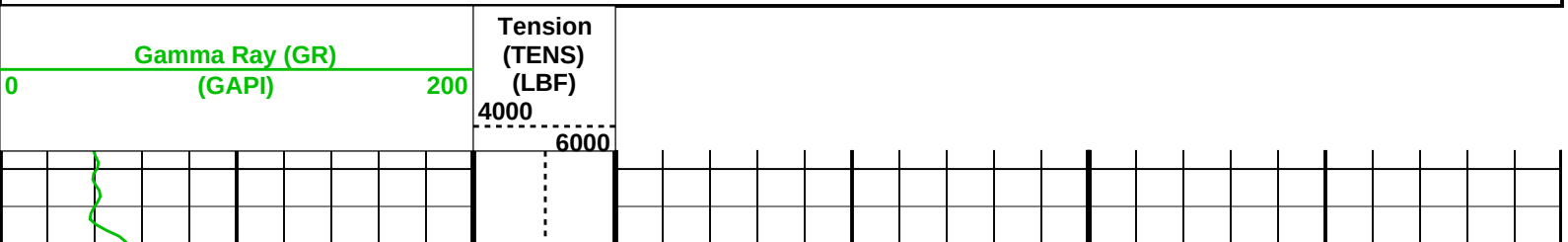
Input DLIS Files

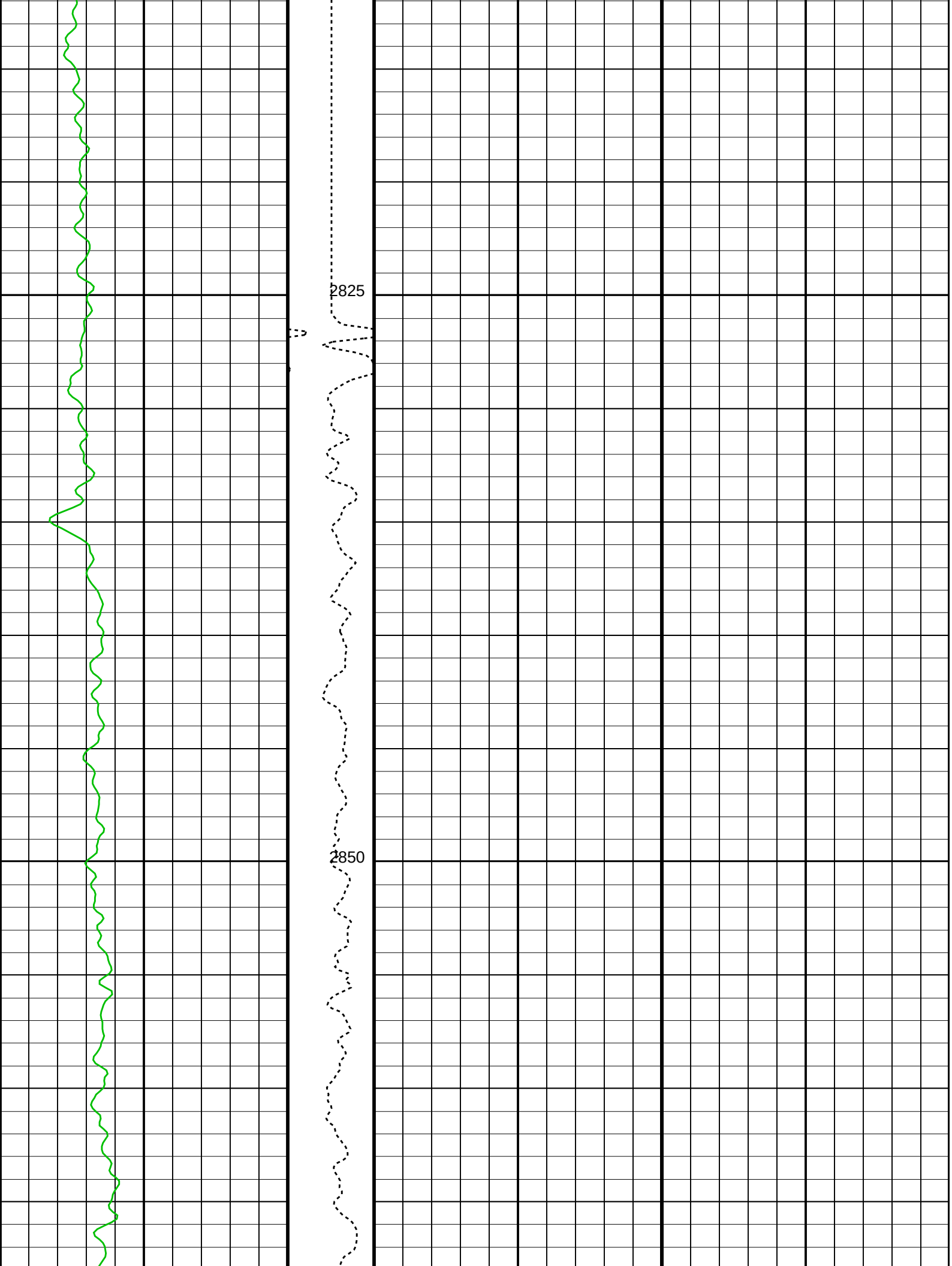
DEFAULT	Flip_MDT_OFA_155LUP	PRODUCER	09−Apr−2006 11:05	3043.6 M	2809.5 M

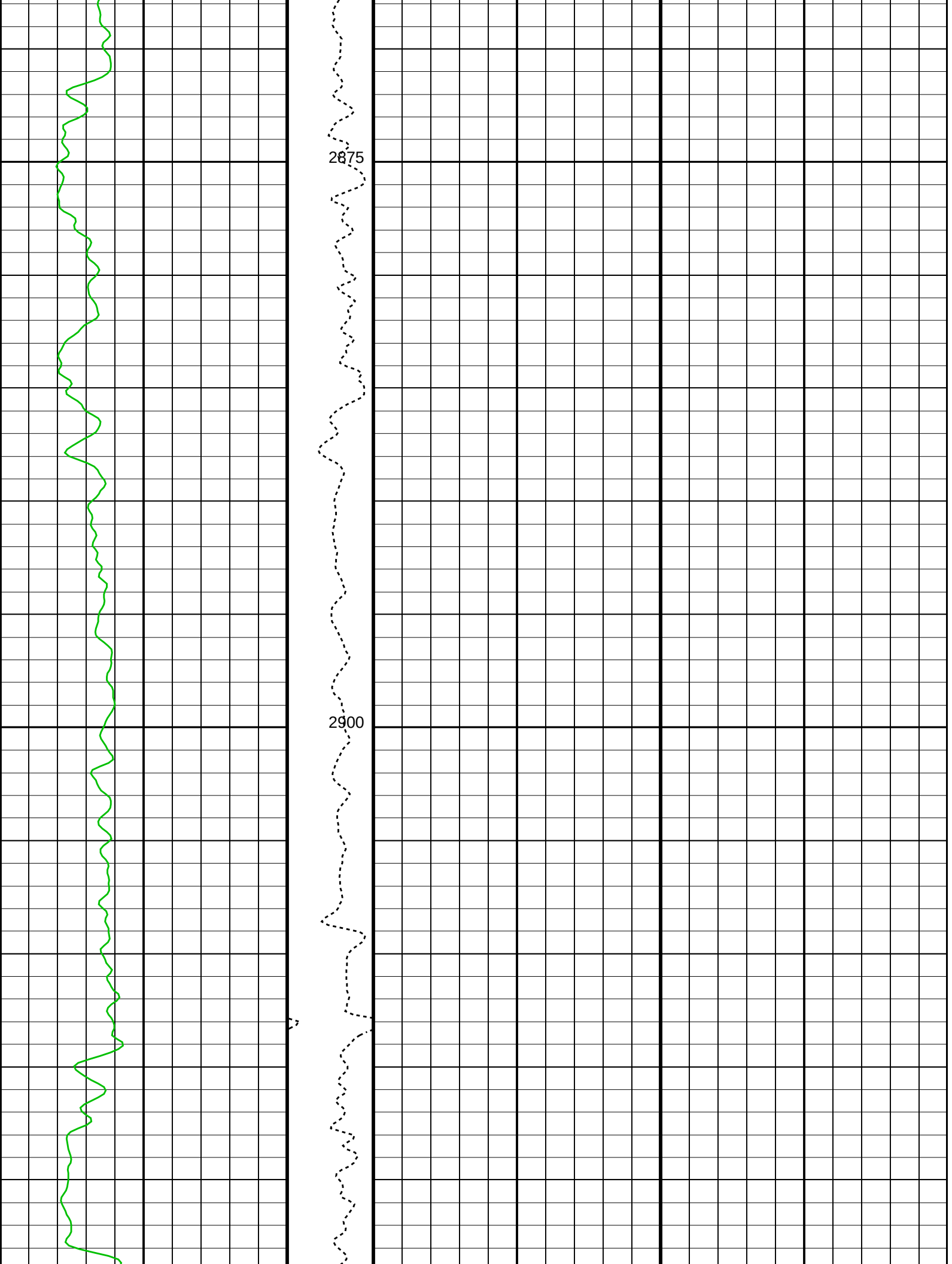
OP System Version: 14C0−302

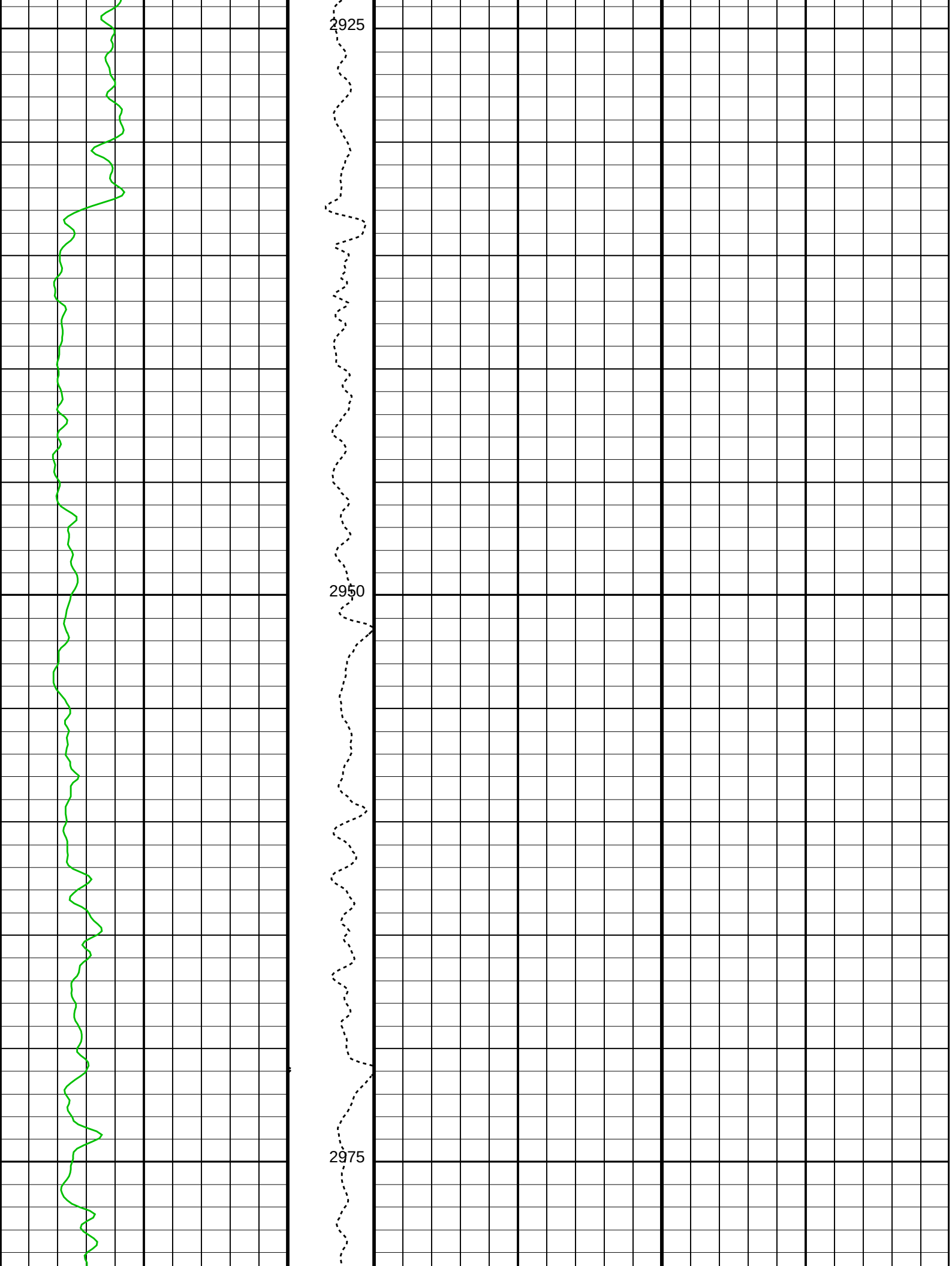
MCM

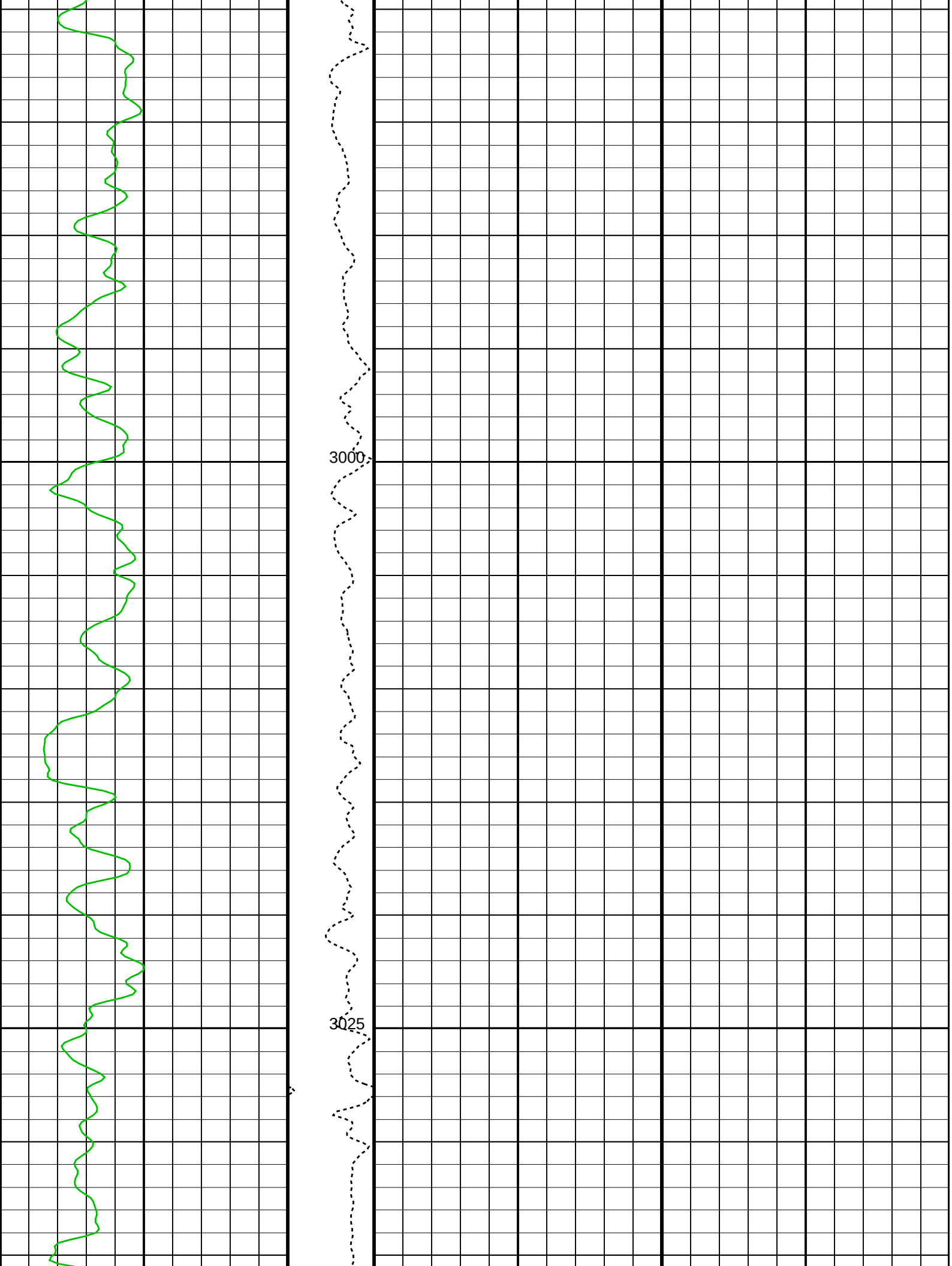
MRPS_1	unofficial	MRHY_1	unofficial
MRPO_UD	unofficial	LFA	unofficial
MRMS_1	unofficial	MRPC	unofficial
SGT−L	unofficial	TCC−B	unofficial
ACTS−B1	unofficial		

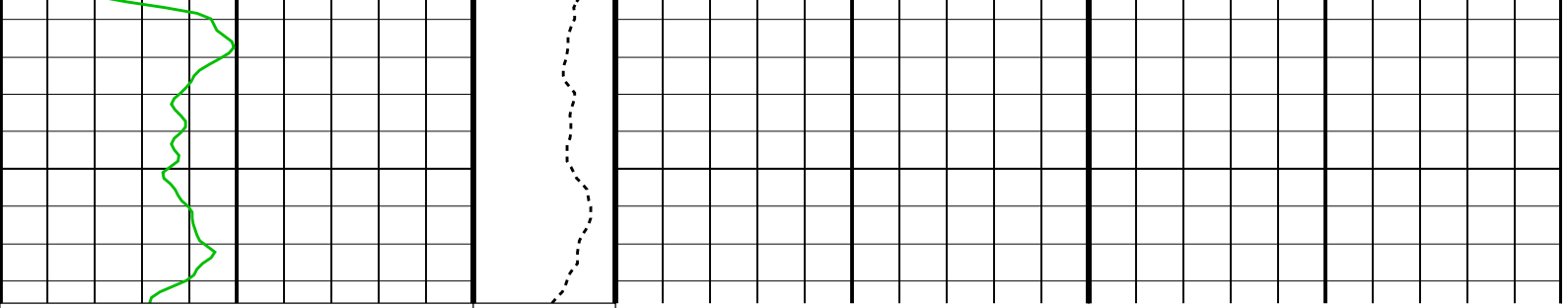



2825
2850


2875
2900


2925
2950
2975


3000
3025



Gamma Ray (GR)
0 (GAPI) 200

Tension (TENS) (LBF)
4000
6000

Format: CORRELATION **Vertical Scale: 1:200** **Graphics File Created: 09−Apr−2006 11:07**

OP System Version: 14C0−302

MCM

MRPS_1	unofficial	MRHY_1	unofficial
MRPO_UD	unofficial	LFA	unofficial
MRMS_1	unofficial	MRPC	unofficial
SGT−L	unofficial	TCC−B	unofficial
ACTS−B1	unofficial		

Input DLIS Files

DEFAULT	Flip_MDT_OFA_155LUP	PRODUCER	09−Apr−2006 11:05	3043.6 M	2809.5 M

Input DLIS Files

DEFAULT	Flip_MDT_OFA_156LUP	PRODUCER	09−Apr−2006 11:06	3191.3 M	3046.0 M

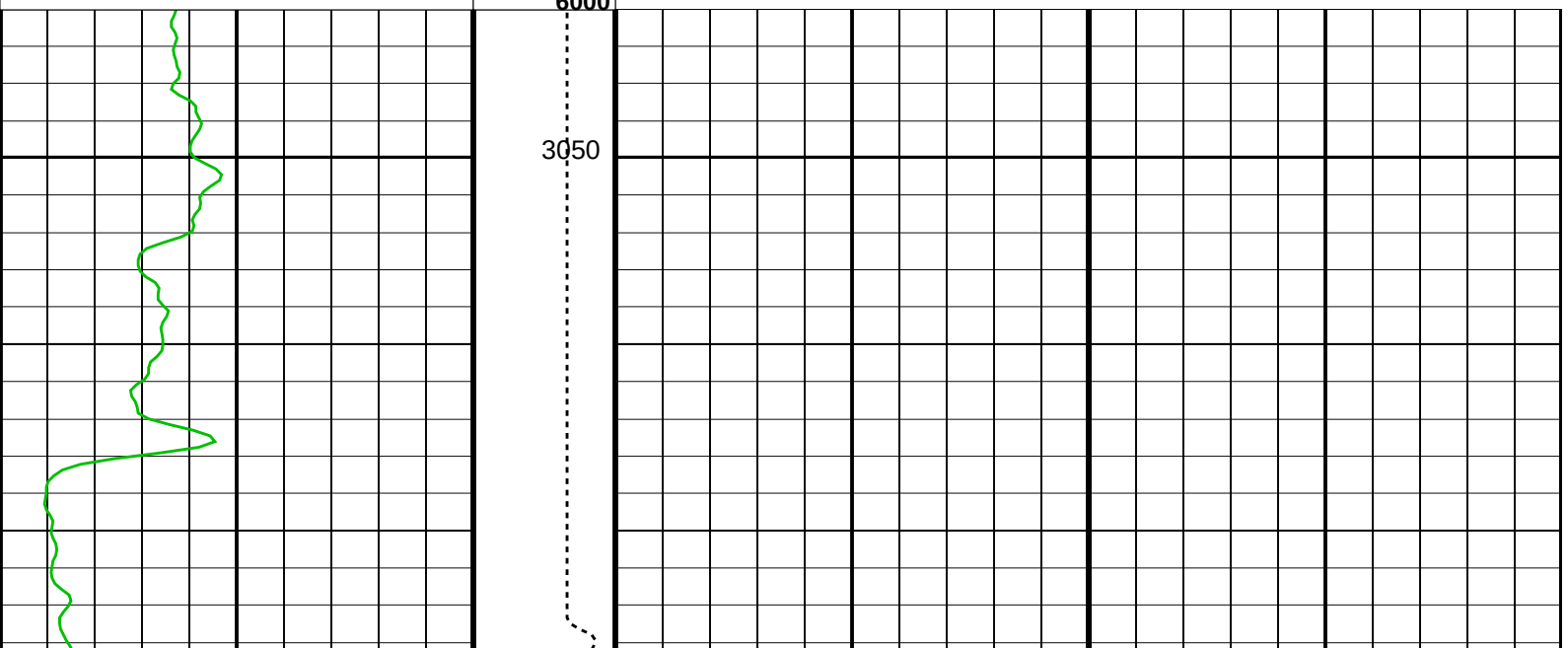
OP System Version: 14C0−302

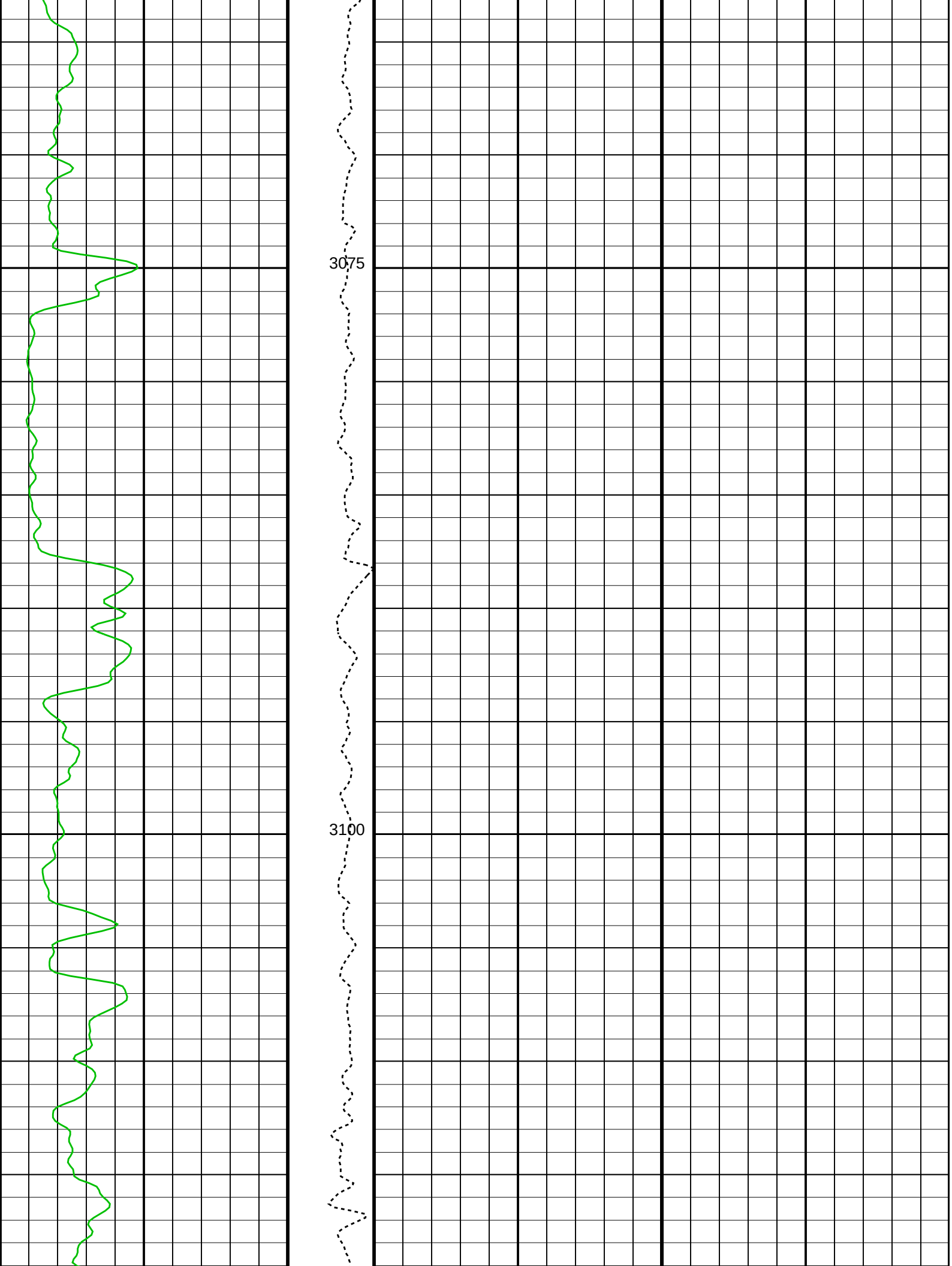
MCM

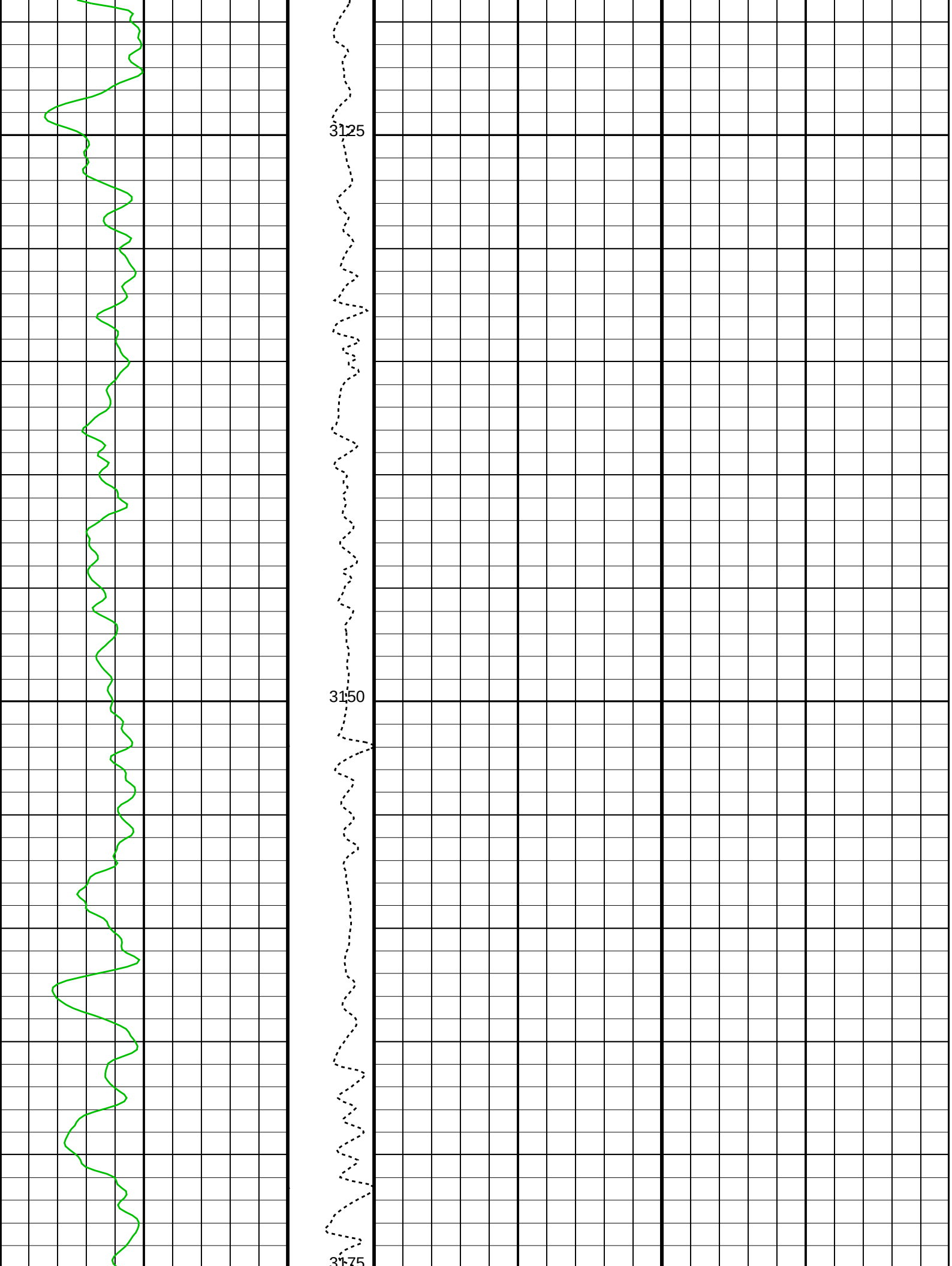
MRPS_1	unofficial	MRHY_1	unofficial
MRPO_UD	unofficial	LFA	unofficial
MRMS_1	unofficial	MRPC	unofficial
SGT−L	unofficial	TCC−B	unofficial
ACTS−B1	unofficial		

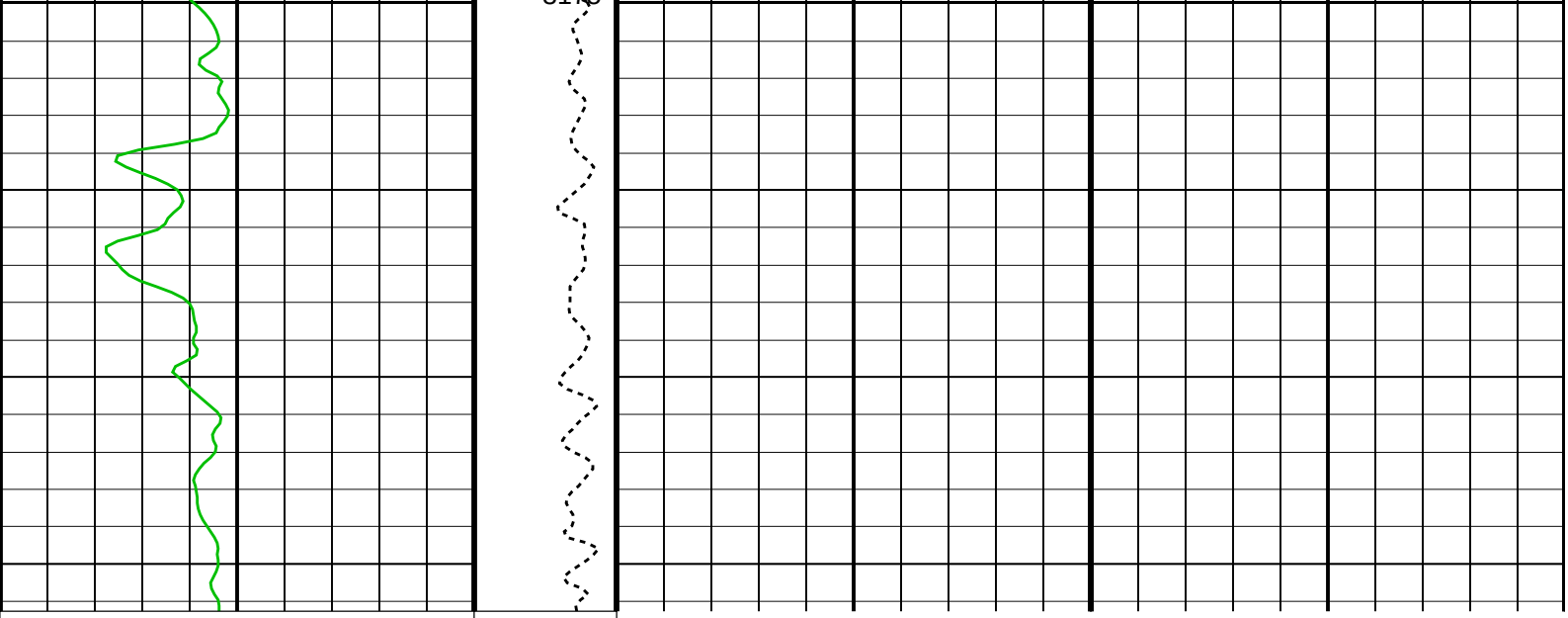
Gamma Ray (GR)
0 (GAPI) 200

Tension (TENS) (LBF)
4000
6000




3075
3100


3125
3150
3175



Format: CORRELATION Vertical Scale: 1:200 Graphics File Created: 09−Apr−2006 11:07

OP System Version: 14C0−302

MCM

MRPS_1	unofficial	MRHY_1	unofficial
MRPO_UD	unofficial	LFA	unofficial
MRMS_1	unofficial	MRPC	unofficial
SGT−L	unofficial	TCC−B	unofficial
ACTS−B1	unofficial		

Input DLIS Files

DEFAULT	Flip_MDT_OFA_156LUP	PRODUCER	09−Apr−2006 11:06	3191.3 M	3046.0 M

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Gauge Calibrations

MAXIS Field Log

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

Calibration Pressure Unit:	PSIA
Calibration Temperature Unit:	DEGC
Sensor Comment:	:
Sensor Serial Number:	0468
Sensor Calibration Date (DDMMYY):	250305
Pressure Model:	P=F(Fc,Fb)
Pressure Matrix:	66
Pressure CRC:	8859

Temperature Model:	**T=F(Fb,Fc)**
Temperature Matrix:	**66**
Temperature CRC:	**1AB4**
Clock Comment:	**:**
Clock Serial Number:	**076**
Clock Calibration Date (DDMMYY):	**310305**
Clock Model:	**Fclk=F(Fb'−Fc')**
Clock Matrix:	**16**
Clock CRC:	**106E**
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	+.769193382611E+0	+.215714408763E−0	−.305859366249E−0	−.843281396456E−1
Fc**1	−.109016513188E+0	−.130199519002E−0	−.976876395688E−1	+.539124804649E−1
Fc**2	+.118207448455E−0	+.467482269686E−1	+.942751797123E−1	+.136956250430E−1
Fc**3	+.363291682246E−1	−.836939671179E−1	−.878962563182E−2	+.111461533088E−2
Fc**4	−.831183233864E−1	+.163350708038E−2	−.456931863327E−2	+.359205014181E−2
Fc**5	−.376438711823E−1	+.251507427033E−2	+.761819367147E−2	−.194829094147E−3

	Fb**4	Fb**5
Fc**0	−.154486278622E−1	−.267748503281E−1
Fc**1	+.233608817125E−1	+.164902626145E−2
Fc**2	+.498783827465E−2	−.269991968824E−2
Fc**3	+.134410883106E−2	−.846993672562E−3
Fc**4	−.375597971996E−3	−.145773024459E−3
Fc**5	−.286184434176E−3	+.144498843807E−3

Temperature Coefficients

	Fc**0	Fc**1	Fc**2	Fc**3
Fb**0	+.111967034336E+0	−.309358276239E−0	+.620960703483E−0	+.612094967014E−1
Fb**1	−.604404617606E−0	+.175925335721E−0	+.579722130132E−1	+.407350718850E−1
Fb**2	−.321745521328E−0	+.373406065005E−1	−.559939753819E−1	−.287241680644E−2
Fb**3	−.299447195644E−1	+.203388171086E−1	+.222225097211E−2	−.726717004100E−2
Fb**4	−.288345407721E−1	−.238156830258E−2	+.508510860755E−2	+.191589086631E−2
Fb**5	+.356063685626E−2	−.560803418614E−2	−.103342284048E−2	+.278173108234E−3

	Fc**4	Fc**5
Fb**0	−.342412825527E−1	−.907220856381E−2
Fb**1	+.213443028577E−2	−.653482031741E−2
Fb**2	+.184339181700E−2	+.538654193374E−2
Fb**3	−.504728286812E−2	+.120368979490E−3
Fb**4	−.138892103776E−3	−.335300638694E−3

Fb**5	+.231979856314E−3	−.469543080038E−4

Clock Coefficients

F'b/F'c**0	+.517502620822E+0
F'b/F'c**1	+.452894706477E−0
F'b/F'c**2	+.512687513617E−0
F'b/F'c**3	−.672536411203E−1
F'b/F'c**4	−.471511167569E−1
F'b/F'c**5	+.452740711792E−2

Vert Strain Gauge (Single Probe Module 1)

Serial Number: 207826
Range: 10K
Calibration Date: 01−19−06
Mean Quadratic Deviation: 0.2358
Offset: 0.0000 PSI
Calibration Pressure Unit: PSIG
Calibration Temperature Unit: DEGC

	G	H	I	J
0	−4.531539e+002	1.005679e+000	−3.182863e−007	−1.213868e−011
1	2.268179e−003	−3.851758e−005	7.608435e−011	1.322232e−013
2	2.941827e−004	3.294696e−007	−1.489784e−011	−7.681941e−016
3	1.292688e−007	−1.012689e−009	8.940367e−014	0.000000e+000

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Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Live Fluid Analyzer Wellsite Calibration − Spectrometer Channels							
Master: 27−Mar−2006 10:25 Before: 7−Apr−2006 11:42							
Dark Mode − 0	0.02500	0.02644	0.02632	N/A	N/A	N/A	V
Dark Mode − 1	0.02500	0.02680	0.02673	N/A	N/A	N/A	V

Dark Mode − 1	0.02500	0.02680	0.02673	N/A	N/A	N/A	V
Dark Mode − 2	0.02500	0.02678	0.02671	N/A	N/A	N/A	V
Dark Mode − 3	0.02500	0.02692	0.02687	N/A	N/A	N/A	V
Dark Mode − 4	0.02500	0.02645	0.02645	N/A	N/A	N/A	V
Dark Mode − 5	0.02500	0.02656	0.02649	N/A	N/A	N/A	V
Dark Mode − 6	0.02500	0.02648	0.02644	N/A	N/A	N/A	V
Dark Mode − 7	0.02500	0.02676	0.02672	N/A	N/A	N/A	V
Dark Mode − 8	0.02500	0.02703	0.02689	N/A	N/A	N/A	V
Dark Mode − 9	0.02500	0.02688	0.02684	N/A	N/A	N/A	V
Source Mode − 0	0	0.5630	0.5682	N/A	N/A	N/A	V
Source Mode − 1	0	0.8278	0.8699	N/A	N/A	N/A	V
Source Mode − 2	0	1.134	1.176	N/A	N/A	N/A	V
Source Mode − 3	0	0.8404	0.8612	N/A	N/A	N/A	V
Source Mode − 4	0	0.8584	0.8659	N/A	N/A	N/A	V
Source Mode − 5	0	1.131	1.134	N/A	N/A	N/A	V
Source Mode − 6	0	0.7447	0.7427	N/A	N/A	N/A	V
Source Mode − 7	0	1.030	1.036	N/A	N/A	N/A	V
Source Mode − 8	0	0.5303	0.5332	N/A	N/A	N/A	V
Source Mode − 9	0	1.403	1.402	N/A	N/A	N/A	V

Live Fluid Analyzer Wellsite Calibration − Gas Detector Channels
Master: 27−Mar−2006 10:25 Before: 7−Apr−2006 11:42

Dark Mode − 0	0.02500	0.02663	0.02650	N/A	N/A	N/A	V
Dark Mode − 1	0.02500	0.02669	0.02657	N/A	N/A	N/A	V
Dark Mode − 2	0.02500	0.02654	0.02645	N/A	N/A	N/A	V
Dark Mode − 3	0.02500	0.02658	0.02641	N/A	N/A	N/A	V
Dark Mode − 4	0.02500	0.02662	0.02657	N/A	N/A	N/A	V
Dark Mode − 5	0.02500	0.02635	0.02624	N/A	N/A	N/A	V

Live Fluid Analyzer Wellsite Calibration − Gas Detector Source Intensity
Master: 27−Mar−2006 10:25 Before: 7−Apr−2006 11:42

Source Intensity Dark Mode	0.02600	0.02892	0.02881	N/A	N/A	N/A	V
Source Intensity Source Mode	0.2500	0.2349	0.2303	N/A	N/A	N/A	V

Live Fluid Analyzer Master Calibration − Spectrometer
Master: 27−Mar−2006 10:25

Dry Dark Mode − 0	0.02500	0.02644	−−	−−	−−	−−	V
Dry Dark Mode − 1	0.02500	0.02680	−−	−−	−−	−−	V
Dry Dark Mode − 2	0.02500	0.02678	−−	−−	−−	−−	V
Dry Dark Mode − 3	0.02500	0.02692	−−	−−	−−	−−	V
Dry Dark Mode − 4	0.02500	0.02645	−−	−−	−−	−−	V
Dry Dark Mode − 5	0.02500	0.02656	−−	−−	−−	−−	V
Dry Dark Mode − 6	0.02500	0.02648	−−	−−	−−	−−	V
Dry Dark Mode − 7	0.02500	0.02676	−−	−−	−−	−−	V
Dry Dark Mode − 8	0.02500	0.02703	−−	−−	−−	−−	V
Dry Dark Mode − 9	0.02500	0.02688	−−	−−	−−	−−	V
Dry Source Mode − 0	0	0.5630	−−	−−	−−	−−	V
Dry Source Mode − 1	0	0.8278	−−	−−	−−	−−	V
Dry Source Mode − 2	0	1.134	−−	−−	−−	−−	V
Dry Source Mode − 3	0	0.8404	−−	−−	−−	−−	V
Dry Source Mode − 4	0	0.8584	−−	−−	−−	−−	V
Dry Source Mode − 5	0	1.131	−−	−−	−−	−−	V
Dry Source Mode − 6	0	0.7447	−−	−−	−−	−−	V
Dry Source Mode − 7	0	1.030	−−	−−	−−	−−	V
Dry Source Mode − 8	0	0.5303	−−	−−	−−	−−	V
Dry Source Mode − 9	0	1.403	−−	−−	−−	−−	V
Dry Measure Mode − 0	0	2.272	−−	−−	−−	−−	V
Dry Measure Mode − 1	0	2.182	−−	−−	−−	−−	V
Dry Measure Mode − 2	0	2.127	−−	−−	−−	−−	V
Dry Measure Mode − 3	0	2.035	−−	−−	−−	−−	V
Dry Measure Mode − 4	0	2.428	−−	−−	−−	−−	V
Dry Measure Mode − 5	0	2.615	−−	−−	−−	−−	V
Dry Measure Mode − 6	0	2.654	−−	−−	−−	−−	V
Dry Measure Mode − 7	0	2.639	−−	−−	−−	−−	V
Dry Measure Mode − 8	0	1.724	−−	−−	−−	−−	V
Dry Measure Mode − 9	0	2.440	−−	−−	−−	−−	V
Oil Dark Mode − 0	0.02500	0.02638	−−	−−	−−	−−	V
Oil Dark Mode − 1	0.02500	0.02679	−−	−−	−−	−−	V
Oil Dark Mode − 2	0.02500	0.02671	−−	−−	−−	−−	V
Oil Dark Mode − 3	0.02500	0.02690	−−	−−	−−	−−	V
Oil Dark Mode − 4	0.02500	0.02641	−−	−−	−−	−−	V
Oil Dark Mode − 5	0.02500	0.02652	−−	−−	−−	−−	V
Oil Dark Mode − 6	0.02500	0.02647	−−	−−	−−	−−	V
Oil Dark Mode − 7	0.02500	0.02672	−−	−−	−−	−−	V
Oil Dark Mode − 8	0.02500	0.02696	−−	−−	−−	−−	V
Oil Dark Mode − 9	0.02500	0.02686	−−	−−	−−	−−	V
Oil Source Mode − 0	0	0.5789	−−	−−	−−	−−	V
Oil Source Mode − 1	0	0.9029	−−	−−	−−	−−	V
Oil Source Mode − 2	0	1.216	−−	−−	−−	−−	V
Oil Source Mode − 3	0	0.8870	−−	−−	−−	−−	V
Oil Source Mode − 4	0	0.8900	−−	−−	−−	−−	V
Oil Source Mode − 5	0	1.166	−−	−−	−−	−−	V

Oil Source Mode − 6	0	0.7627	−−	−−	−−	−−	V
Oil Source Mode − 7	0	1.053	−−	−−	−−	−−	V
Oil Source Mode − 8	0	0.5439	−−	−−	−−	−−	V
Oil Source Mode − 9	0	1.435	−−	−−	−−	−−	V
Oil Measure Mode − 0	1.000	2.102	−−	−−	−−	−−	V
Oil Measure Mode − 1	1.000	2.737	−−	−−	−−	−−	V
Oil Measure Mode − 2	1.000	2.609	−−	−−	−−	−−	V
Oil Measure Mode − 3	1.000	2.432	−−	−−	−−	−−	V
Oil Measure Mode − 4	1.000	2.818	−−	−−	−−	−−	V
Oil Measure Mode − 5	1.000	2.946	−−	−−	−−	−−	V
Oil Measure Mode − 6	1.000	2.698	−−	−−	−−	−−	V
Oil Measure Mode − 7	1.000	2.906	−−	−−	−−	−−	V
Oil Measure Mode − 8	1.000	0.3276	−−	−−	−−	−−	V
Oil Measure Mode − 9	1.000	1.879	−−	−−	−−	−−	V
Water Dark Mode − 0	0.02500	0.02641	−−	−−	−−	−−	V
Water Dark Mode − 1	0.02500	0.02681	−−	−−	−−	−−	V
Water Dark Mode − 2	0.02500	0.02670	−−	−−	−−	−−	V
Water Dark Mode − 3	0.02500	0.02693	−−	−−	−−	−−	V
Water Dark Mode − 4	0.02500	0.02643	−−	−−	−−	−−	V
Water Dark Mode − 5	0.02500	0.02655	−−	−−	−−	−−	V
Water Dark Mode − 6	0.02500	0.02646	−−	−−	−−	−−	V
Water Dark Mode − 7	0.02500	0.02674	−−	−−	−−	−−	V
Water Dark Mode − 8	0.02500	0.02700	−−	−−	−−	−−	V
Water Dark Mode − 9	0.02500	0.02687	−−	−−	−−	−−	V
Water Source Mode − 0	0	0.5753	−−	−−	−−	−−	V
Water Source Mode − 1	0	0.9024	−−	−−	−−	−−	V
Water Source Mode − 2	0	1.216	−−	−−	−−	−−	V
Water Source Mode − 3	0	0.8870	−−	−−	−−	−−	V
Water Source Mode − 4	0	0.8927	−−	−−	−−	−−	V
Water Source Mode − 5	0	1.167	−−	−−	−−	−−	V
Water Source Mode − 6	0	0.7622	−−	−−	−−	−−	V
Water Source Mode − 7	0	1.054	−−	−−	−−	−−	V
Water Source Mode − 8	0	0.5422	−−	−−	−−	−−	V
Water Source Mode − 9	0	1.435	−−	−−	−−	−−	V
Water Measure Mode − 0	1.000	0.8249	−−	−−	−−	−−	V
Water Measure Mode − 1	1.000	2.625	−−	−−	−−	−−	V
Water Measure Mode − 2	1.000	2.501	−−	−−	−−	−−	V
Water Measure Mode − 3	1.000	2.334	−−	−−	−−	−−	V
Water Measure Mode − 4	1.000	2.661	−−	−−	−−	−−	V
Water Measure Mode − 5	1.000	2.265	−−	−−	−−	−−	V
Water Measure Mode − 6	1.000	0.03154	−−	−−	−−	−−	V
Water Measure Mode − 7	1.000	0.6947	−−	−−	−−	−−	V
Water Measure Mode − 8	1.000	0.5475	−−	−−	−−	−−	V
Water Measure Mode − 9	1.000	0.02767	−−	−−	−−	−−	V

Live Fluid Analyzer Master Calibration − Gas Detector
Master: 27−Mar−2006 10:25

Dry Dark Mode − 0	0.02500	0.02663	−−	−−	−−	−−	V
Dry Dark Mode − 1	0.02500	0.02669	−−	−−	−−	−−	V
Dry Dark Mode − 2	0.02500	0.02654	−−	−−	−−	−−	V
Dry Dark Mode − 3	0.02500	0.02658	−−	−−	−−	−−	V
Dry Dark Mode − 4	0.02500	0.02662	−−	−−	−−	−−	V
Dry Dark Mode − 5	0.02500	0.02635	−−	−−	−−	−−	V
Dry Measure Mode − 0	0	0.1434	−−	−−	−−	−−	V
Dry Measure Mode − 1	0	0.1380	−−	−−	−−	−−	V
Dry Measure Mode − 2	0	0.3571	−−	−−	−−	−−	V
Dry Measure Mode − 3	0	0.4149	−−	−−	−−	−−	V
Dry Measure Mode − 4	0	0.4096	−−	−−	−−	−−	V
Dry Measure Mode − 5	0	0.3474	−−	−−	−−	−−	V
Dry Normalized − 0	0	0.3007	−−	−−	−−	−−	V
Dry Normalized − 1	0	0.2866	−−	−−	−−	−−	V
Dry Normalized − 2	0	0.8513	−−	−−	−−	−−	V
Dry Normalized − 3	0	1.000	−−	−−	−−	−−	V
Dry Normalized − 4	0	0.9863	−−	−−	−−	−−	V
Dry Normalized − 5	0	0.8268	−−	−−	−−	−−	V
Water Dark Mode − 0	0.02500	0.02659	−−	−−	−−	−−	V
Water Dark Mode − 1	0.02500	0.02668	−−	−−	−−	−−	V
Water Dark Mode − 2	0.02500	0.02652	−−	−−	−−	−−	V
Water Dark Mode − 3	0.02500	0.02656	−−	−−	−−	−−	V
Water Dark Mode − 4	0.02500	0.02659	−−	−−	−−	−−	V
Water Dark Mode − 5	0.02500	0.02632	−−	−−	−−	−−	V
Water Measure Mode − 0	1.000	0.1394	−−	−−	−−	−−	V
Water Measure Mode − 1	1.000	0.07199	−−	−−	−−	−−	V
Water Measure Mode − 2	1.000	0.04305	−−	−−	−−	−−	V
Water Measure Mode − 3	1.000	0.03798	−−	−−	−−	−−	V
Water Measure Mode − 4	1.000	0.04466	−−	−−	−−	−−	V
Water Measure Mode − 5	1.000	0.07266	−−	−−	−−	−−	V

Live Fluid Analyzer Master Calibration − Gas Detector Source Intensity
Master: 27−Mar−2006 10:25

Source Intensity Dark Mode	0.02600	0.02892	−−	−−	−−	−−	V
Source Intensity Source Mode	0.2500	0.2349	−−	−−	−−	−−	V

Source Intensity Source Mode	0.2500	0.2349	−−	−−	−−	−−	V

Live Fluid Analyzer Master Calibration − Absorption Coefficients
Master: 27−Mar−2006 10:28

Oil Absorption Coefficie − 0	0	0.03424	−−	−−	−−	−−	V
Oil Absorption Coefficie − 1	0	−0.09949	−−	−−	−−	−−	V
Oil Absorption Coefficie − 2	0	−0.08963	−−	−−	−−	−−	V
Oil Absorption Coefficie − 3	0	−0.07834	−−	−−	−−	−−	V
Oil Absorption Coefficie − 4	0	−0.06538	−−	−−	−−	−−	V
Oil Absorption Coefficie − 5	0	−0.05224	−−	−−	−−	−−	V
Oil Absorption Coefficie − 6	0	−0.007226	−−	−−	−−	−−	V
Oil Absorption Coefficie − 7	0	−0.04241	−−	−−	−−	−−	V
Oil Absorption Coefficie − 8	0	0.7515	−−	−−	−−	−−	V
Oil Absorption Coefficie − 9	0	0.1148	−−	−−	−−	−−	V
Water Absorption Coeffic − 0	0	0.4491	−−	−−	−−	−−	V
Water Absorption Coeffic − 1	0	−0.08119	−−	−−	−−	−−	V
Water Absorption Coeffic − 2	0	−0.07117	−−	−−	−−	−−	V
Water Absorption Coeffic − 3	0	−0.06020	−−	−−	−−	−−	V
Water Absorption Coeffic − 4	0	−0.04027	−−	−−	−−	−−	V
Water Absorption Coeffic − 5	0	0.06306	−−	−−	−−	−−	V
Water Absorption Coeffic − 6	0	2.713	−−	−−	−−	−−	V
Water Absorption Coeffic − 7	0	0.5922	−−	−−	−−	−−	V
Water Absorption Coeffic − 8	0	0.5132	−−	−−	−−	−−	V
Water Absorption Coeffic − 9	0	3.482	−−	−−	−−	−−	V

Scintillation Gamma−Ray − L Wellsite Calibration − Detector Calibration
Before: 2−Apr−2006 20:47

Gamma Ray Background	30.00	N/A	3.524	N/A	N/A	N/A	GAPI
Gamma Ray (Jig − Bkg)	162.8	N/A	162.8	N/A	N/A	14.80	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

Live Fluid Analyzer / Equipment Identification

Primary Equipment:

Live Fluid Analyzer (TW)	MRFA − EA	8263

Auxiliary Equipment:

Live Fluid Analyzer Wellsite Calibration

Spectrometer Channels

Idx	Phase	Dark Mode V	Value	Idx	Phase	Source Mode V	Value
0	Master		0.02644	0	Master		0.5630
	Before		0.02632		Before		0.5682
1	Master		0.02680		0.2000 (Minimum)	1.400 (Nominal)	2.600 (Maximum)
	Before		0.02673	1	Master		0.8278
2	Master		0.02678		Before		0.8699
	Before		0.02671		0.2000 (Minimum)	1.950 (Nominal)	3.700 (Maximum)
3	Master		0.02692	2	Master		1.134
	Before		0.02687		Before		1.176
4	Master		0.02645		0.2000 (Minimum)	1.950 (Nominal)	3.700 (Maximum)
	Before		0.02645	3	Master		0.8404
5	Master		0.02656		Before		0.8612
	Before		0.02649		0.2000 (Minimum)	1.700 (Nominal)	3.200 (Maximum)
6	Master		0.02648	4	Master		0.8584
	Before		0.02644		Before		0.8659
7	Master		0.02676		0.2000 (Minimum)	1.950 (Nominal)	3.700 (Maximum)
	Before		0.02672	5	Master		1.131
8	Master		0.02703		Before		1.134
	Before		0.02689		0.2000 (Minimum)	1.950 (Nominal)	3.700 (Maximum)
9	Master		0.02688	6	Master		0.7447

	Before		0.02684
		0.01700 (Minimum) 0.02500 (Nominal) 0.03300 (Maximum)	
6	Master		0.7427
	Before		0.7427
		0.2000 (Minimum) 1.950 (Nominal) 3.700 (Maximum)	
7	Master		1.030
	Before		1.036
		0.2000 (Minimum) 1.950 (Nominal) 3.700 (Maximum)	
8	Master		0.5303
	Before		0.5332
		0.2000 (Minimum) 1.950 (Nominal) 2.600 (Maximum)	
9	Master		1.403
	Before		1.402
		0.2000 (Minimum) 1.950 (Nominal) 3.700 (Maximum)	

Master: 27−Mar−2006 10:25 Before: 7−Apr−2006 11:42

Live Fluid Analyzer Wellsite Calibration

Gas Detector Channels

Idx	Phase	Dark Mode V	Value
0	Master		0.02663
	Before		0.02650
1	Master		0.02669
	Before		0.02657
2	Master		0.02654
	Before		0.02645
3	Master		0.02658
	Before		0.02641
4	Master		0.02662
	Before		0.02657
5	Master		0.02635
	Before		0.02624
		0.01700 (Minimum) 0.02500 (Nominal) 0.03300 (Maximum)	

Master: 27−Mar−2006 10:25

Before: 7−Apr−2006 11:42

Live Fluid Analyzer Wellsite Calibration

Gas Detector Source Intensity

Phase	Source Intensity Dark Mode V	Value	Phase	Source Intensity Source Mode V	Value
Master		0.02892	Master		0.2349
Before		0.02881	Before		0.2303
	0.01700 (Minimum) 0.02600 (Nominal) 0.03500 (Maximum)			0.1900 (Minimum) 0.2500 (Nominal) 0.3100 (Maximum)	

Master: 27−Mar−2006 10:25 Before: 7−Apr−2006 11:42

Live Fluid Analyzer Master Calibration

Spectrometer

Idx	Dry Dark Mode V	Value	Idx	Dry Source Mode V	Value	Idx	Dry Measure Mode V	Value
0		0.02644	0		0.5630	0		2.272
1		0.02680		0.2000 (Minimum) 1.400 (Nominal) 2.600 (Maximum)			2.000 (Minimum) 2.600 (Nominal) 3.200 (Maximum)	
2		0.02678	1		0.8278	1		2.182
3		0.02692		0.2000 (Minimum) 1.950 (Nominal) 3.700 (Maximum)			2.000 (Minimum) 2.600 (Nominal) 3.200 (Maximum)	
4		0.02645	2		1.134	2		2.127
5		0.02656		0.2000 (Minimum) 1.950 (Nominal) 3.700 (Maximum)			2.000 (Minimum) 2.600 (Nominal) 3.200 (Maximum)	

Idx	Oil Dark Mode V	Value
0		0.02638
1		0.02679
2		0.02671
3		0.02690
4		0.02641
5		0.02652
6		0.02647
7		0.02672
8		0.02696
9		0.02686

0.01700 (Minimum) 0.02500 (Nominal) 0.03300 (Maximum)

Idx	Water Dark Mode V	Value
0		0.02641
1		0.02681
2		0.02670
3		0.02693
4		0.02643
5		0.02655
6		0.02646
7		0.02674
8		0.02700
9		0.02687

0.01700 (Minimum) 0.02500 (Nominal) 0.03300 (Maximum)

Idx	Oil Source Mode V	Value
0		0.5789
1		0.9029
2		1.216
3		0.8870
4		0.8900
5		1.166
6		0.7627
7		1.053
8		0.5439
9		1.435

0.2000 (Minimum) 1.950 (Nominal) 3.700 (Maximum)

0.2000 (Minimum) 1.400 (Nominal) 2.600 (Maximum)

0.2000 (Minimum) 1.700 (Nominal) 3.200 (Maximum)

0.2000 (Minimum) 1.950 (Nominal) 2.600 (Maximum)

Idx	Water Source Mode V	Value
0		0.5753
1		0.9024
2		1.216
3		0.8870
4		0.8927

0.2000 (Minimum) 1.400 (Nominal) 2.600 (Maximum)

0.2000 (Minimum) 1.950 (Nominal) 3.700 (Maximum)

0.2000 (Minimum) 1.700 (Nominal) 3.200 (Maximum)

Idx	Oil Measure Mode V	Value
0		2.102
1		2.737
2		2.609
3		2.432
4		2.818
5		2.946
6		2.698
7		2.906
8		0.3276
9		1.879

0 (Minimum) 1.000 (Nominal) 4.500 (Maximum)

Idx	Water Measure Mode V	Value
0		0.8249
1		2.625
2		2.501
3		2.334
4		2.661
5		2.265
6		0.03154
7		0.6947
8		0.5475
9		0.02767

0 (Minimum) 1.000 (Nominal) 4.500 (Maximum)

0.2000 (Minimum)	1.950 (Nominal)	3.700 (Maximum)
5		1.167
0.2000 (Minimum)	1.950 (Nominal)	3.700 (Maximum)
6		0.7622
0.2000 (Minimum)	1.950 (Nominal)	3.700 (Maximum)
7		1.054
0.2000 (Minimum)	1.950 (Nominal)	3.700 (Maximum)
8		0.5422
0.2000 (Minimum)	1.950 (Nominal)	2.600 (Maximum)
9		1.435
0.2000 (Minimum)	1.950 (Nominal)	3.700 (Maximum)

Master: 27−Mar−2006 10:25

Live Fluid Analyzer Master Calibration

Gas Detector

Idx	Dry Dark Mode V	Value
0		0.02663
1		0.02669
2		0.02654
3		0.02658
4		0.02662
5		0.02635
0.01700 (Minimum)	0.02500 (Nominal)	0.03300 (Maximum)

Idx	Water Dark Mode V	Value
0		0.02659
1		0.02668
2		0.02652
3		0.02656
4		0.02659
5		0.02632
0.01700 (Minimum)	0.02500 (Nominal)	0.03300 (Maximum)

Idx	Dry Measure Mode V	Value
0		0.1434
0 (Minimum)	0.5000 (Nominal)	1.000 (Maximum)
1		0.1380
0 (Minimum)	0.5000 (Nominal)	1.000 (Maximum)
2		0.3571
0 (Minimum)	0.5000 (Nominal)	1.000 (Maximum)
3		0.4149
0.3000 (Minimum)	0.5000 (Nominal)	1.000 (Maximum)
4		0.4096
0 (Minimum)	0.5000 (Nominal)	1.000 (Maximum)
5		0.3474
0 (Minimum)	0.5000 (Nominal)	1.000 (Maximum)

Idx	Dry Normalized V	Value
0		0.3007
0.1080 (Minimum)	0.2400 (Nominal)	0.3720 (Maximum)
1		0.2866
0.2760 (Minimum)	0.4600 (Nominal)	0.6440 (Maximum)
2		0.8513
0.8080 (Minimum)	1.010 (Nominal)	1.212 (Maximum)
3		1.000
1.000 (Minimum)	1.000 (Nominal)	1.000 (Maximum)
4		0.9863
0.7360 (Minimum)	0.9200 (Nominal)	1.104 (Maximum)
5		0.8268
0.5250 (Minimum)	0.7500 (Nominal)	0.9750 (Maximum)

Idx	Water Measure Mode V	Value
0		0.1394
1		0.07199
2		0.04305
3		0.03798
4		0.04466
5		0.07266
0 (Minimum)	1.000 (Nominal)	4.500 (Maximum)

Master: 27−Mar−2006 10:25

Live Fluid Analyzer Master Calibration

Gas Detector Source Intensity

Source Intensity Dark Mode V	Value	Source Intensity Source Mode V	Value
	0.02892		0.2349
0.01700 (Minimum) 0.02600 (Nominal) 0.03500 (Maximum)		0.1900 (Minimum) 0.2500 (Nominal) 0.3100 (Maximum)	

Master: 27−Mar−2006 10:25

Live Fluid Analyzer Master Calibration

Absorption Coefficients

Idx	Oil Absorption Coefficients V	Value
0		0.03424

Idx	Water Absorption Coefficients V	Value
0		0.4491

0 (Minimum)	0.05500 (Nominal)	0.1100 (Maximum)		0.4300 (Minimum)	0.4800 (Nominal)	0.5300 (Maximum)	
1			−0.09949	1			−0.08119
−0.1000 (Minimum)	−0.06000 (Nominal)	−0.02000 (Maximum)		−0.09000 (Minimum)	−0.05000 (Nominal)	−0.010000 (Maximum)	
2			−0.08963	2			−0.07117
−0.1000 (Minimum)	−0.06500 (Nominal)	−0.03000 (Maximum)		−0.09000 (Minimum)	−0.05500 (Nominal)	−0.02000 (Maximum)	
3			−0.07834	3			−0.06020
−0.1000 (Minimum)	−0.06000 (Nominal)	−0.02000 (Maximum)		−0.09000 (Minimum)	−0.05500 (Nominal)	−0.02000 (Maximum)	
4			−0.06538	4			−0.04027
−0.1000 (Minimum)	−0.06000 (Nominal)	−0.02000 (Maximum)		−0.07000 (Minimum)	−0.03500 (Nominal)	0 (Maximum)	
5			−0.05224	5			0.06306
−0.08000 (Minimum)	−0.04500 (Nominal)	−0.010000 (Maximum)		0.02000 (Minimum)	0.06000 (Nominal)	0.1000 (Maximum)	
6			−0.007226	6			2.713
−0.03000 (Minimum)	−0.005000 (Nominal)	0.02000 (Maximum)		2.520 (Minimum)	2.660 (Nominal)	2.800 (Maximum)	
7			−0.04241	7			0.5922
−0.08000 (Minimum)	−0.04000 (Nominal)	0 (Maximum)		0.5500 (Minimum)	0.6200 (Nominal)	0.6900 (Maximum)	
8			0.7515	8			0.5132
0.6600 (Minimum)	0.7500 (Nominal)	0.8400 (Maximum)		0.4700 (Minimum)	0.5150 (Nominal)	0.5600 (Maximum)	
9			0.1148	9			3.482
0.08000 (Minimum)	0.1300 (Nominal)	0.1800 (Maximum)		2.500 (Minimum)	3.850 (Nominal)	50.00 (Maximum)	

Master: 27−Mar−2006 10:28

Scintillation Gamma−Ray − L / Equipment Identification

Primary Equipment:		
Scintillation Gamma Cartridge	SGC − SA	1490
Scintillation Gamma Detector	SGD − TAA	4552
Auxiliary Equipment:		
Scintillation Gamma Housing	SGH − K	2030
Gamma Source Radioactive	GSR − U/Y	

Scintillation Gamma−Ray − L Wellsite Calibration

Detector Calibration

Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig − Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before		3.524	Before		162.8	Before		165.0
0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)	148.0 (Minimum)	162.8 (Nominal)	177.6 (Maximum)	150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)

Before: 2−Apr−2006 20:47

Company: **Woodside Energy Ltd**

Schlumberger

Well: **Thylacine South−1**
Field: **Thylacine South**
Rig: **Maersk Guardian**
Country: **Australia**

Country:	Australia
	MDT−GR Modular Formation Dynamic Tester Sampling Print