Schlumberger

Company: **3D Oil Limited**

Well: **West Seahorse 3**
Field: **West Seahorse**
Rig: **West Triton** Country: **Australia**

Rig: West Triton
Field: West Seahorse
Location: Vic P/57, Bass Strait
Well: West Seahorse 3
Company: 3D Oil Limited

MDT−GR
SAMPLING
Suite 1 Run 2 − Scale 1:200

LOCATION

Vic P/57, Bass Strait
N 5771044.135 m, E 554229.358 m

Elev.: K.B. 38 m
G.L. −39.5 m
D.F. 38 m

Permanent Datum: MSL
Log Measured From: Drill Floor
Drilling Measured From: Drill Floor

Elev.: 0 m
38.0 m above Perm. Datum

State:	Max. Well Deviation	Longitude	Latitude
Victoria	28.3 deg	E 147 37 9.865	S 38 12 24.942

	Run 1	Run 2	Run
Logging Date	5−May−2008		
Run Number	2		
Depth Driller	1810 m		
Schlumberger Depth	1775.5 m		
Bottom Log Interval	1638.5 m		
Top Log Interval	1567 m		
Casing Driller Size @ Depth	13.375 in @ 1117 m	@	
Casing Schlumberger	1116.8 m		
Bit Size	12.250 in		
Type Fluid In Hole	KCl Polymer		
MUD Density / Viscosity	1.16 g/cm3 / 44 s		
MUD Fluid Loss / PH	5.8 cm3 / 9		
MUD Source Of Sample	Flow Line		
RM @ Measured Temperature	0.113 ohm.m @ 23 degC	@	
RMF @ Measured Temperature	0.101 ohm.m @ 22 degC	@	
RMC @ Measured Temperature	0.166 ohm.m @ 23 degC	@	
Source RMF / RMC	Press / Press		
RM @ MRT / RMF @ MRT	0.056 @ 67 / 0.050 @ 67	@ / @	
Maximum Recorded Temperatures	67 degC		
Circulation Stopped / Time	4−May−2008 / 22:10		
Logger On Bottom / Time	5−May−2008 / 23:50		
Unit Number / Location	41 / AUSL		
Recorded By	A. Dandi , K. Aung		
Witnessed By	M. Ngatai , D. Archer		

	Run 1	Run 2	Run
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			

Run 3

Run 4

DEPTH SUMMARY LISTING

Date Created: 7−MAY−2008 7:02:50

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−H	Type:	CMTD−B/A	Type:	7−46ZV−XS
Serial Number:	796	Serial Number:	1721	Serial Number:	77178
Calibration Date:	29−Jan−2008	Calibration Date:	27−Feb−2008	Length:	7584.95 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1051		
Calibration Cable Type:	7−46ZV−XS	Calibration Gain:	0.81	Conveyance Method:	Wireline
Wheel Correction 1:	−5	Calibration Offset:	−610.00	Rig Type:	Offshore_Fixed
Wheel Correction 2:	−5				

Depth Control Parameters

Log Sequence: Subsequent Log In the Well

Reference Log Name: BHC−HRLA−PEX−GR−S
Reference Log Run Number: 1
Reference Log Date: 4−May−2008

Depth Control Remarks

1. Schlumberger Depth control policy followed.
2. IDW used as primary depth control, Z−chart as secondary.
3.
4.
5.
6.

OTHER SERVICES1

OS1:	BHC−HRLA−PEX−GR	OS1:	
OS2:	MSCT−GR	OS2:	
OS3:		OS3:	
OS4:		OS4:	
OS5:		OS5:	

REMARKS:

Tool string run as per tool sketch.
Maximum recorded temperature was 67 degC taken from Resistivity Cell Sensor.
Extra Large Diameter probe used.
Sampling was attempted in 3 stations as per client request:
− Station @1638.0m: aborted as per client instructions due to low permeability and large draw down of 1000psi.
− Station @ 1638.5m: No samples taken. Pump out water for 12min.

− Station @ 1567.m: 3x 450cc samples were taken. Samples were handed over to PetroTech for analysis as per client request.

Did not tag TD.

Depth correlated to primary log pass BHC−HRLA−PEX−GR, Suite 1, Run 1, dated 4 May 2008.

No thermometers available to run on tool, so no confirmation of BHT available.

Quartz guage corrections applied: QGCA (Both), QGFD (1 g/cc), QGDA (as per deviation survey).

Quartz Gauge calibrated on 20−June−2007; Strain Gauge calibrated on 12−April−2007.

Mud properties taken from Daily Mud Report #11 for 4−May−2008:

Chlorides = 36,000 mg/l.

KCl = 7.5 (% by weight).

Barite = 2.2 (% by vol), K+ ion = 40,000 mg/l.

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:		15C0−309	PROGRAM VERSION:		
FLUID LEVEL:		0 m	FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

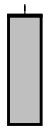
MRPP−AA 666
GSR−U/Y
WITM (CTS)−A 969

DOWNHOLE EQUIPMENT

LEH−QT 23.13
LEH−QT 2800

TCC−BF 22.25
ECH−KC 2653
TCC−BF 653

TelStatus ___ 20.90

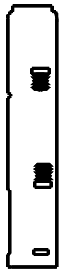


SGT−L 21.33
SGH−K 2862
SGC−V 10004
SGD−TAB 21526

Gamma Ray ___ 20.62

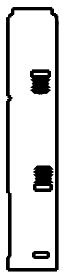
MRPC 19.65
MRPC−CA 619

PC ___ 17.71



MRMS_2 18.14
BOTT_6−AA 3347
BOTT_5−AA 3349
BOTT_4−AA 3300
BOTT_3−AA 3354
BOTT_2−AA 3358
BOTT_1−AA 3353
MRMS_2−CB 371

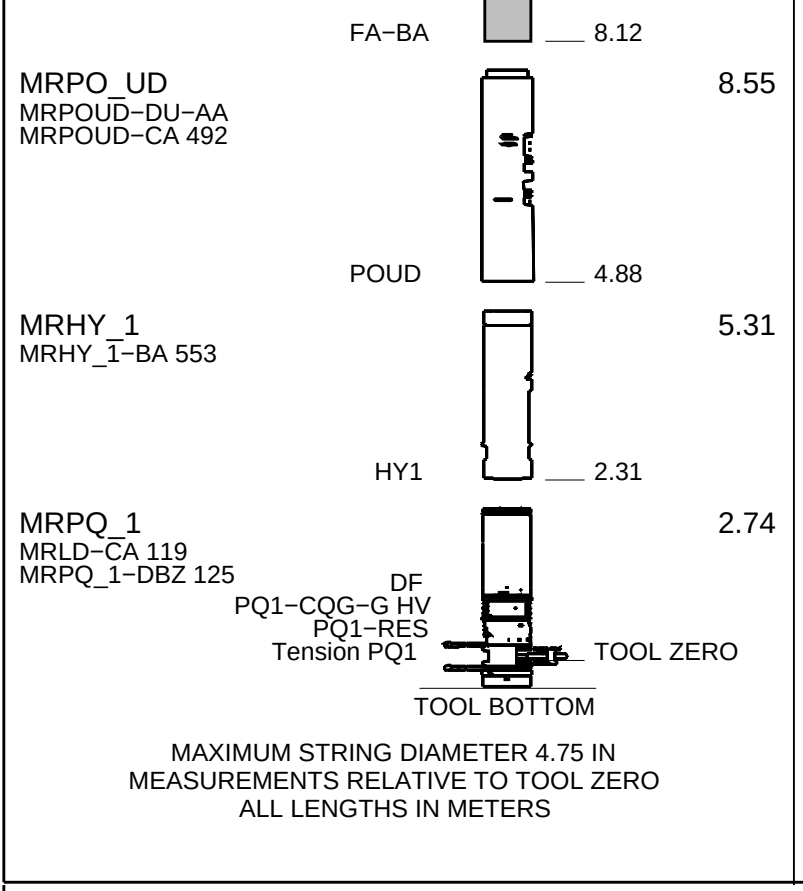
MS2 ___ 13.69



MRMS_1 14.12
BOTT_6−AA 3457
BOTT_5−AA 3456
BOTT_4−AA 3455
BOTT_3−AA 3454
BOTT_2−AA 3453
BOTT_1−AA 3452
MRMS_1−CA 324

MS1 ___ 9.67

AFA 10.10
MRFA−FA 8552



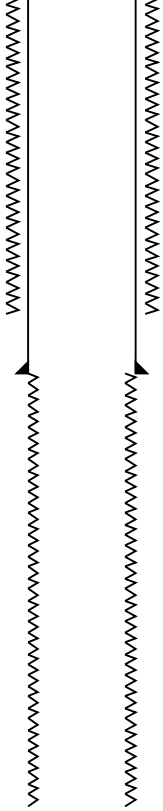
MAXIMUM STRING DIAMETER 4.75 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: 3D Oil Limited
Well: West Seahorse 3
Field: West Seahorse
State: Victoria
Country: Australia

Rig Name: West Triton
Reference Datum: Mean Sea Level
Elevation: 38.0 m

Production String	(in) OD	(in) ID	(m) MD	Well Schematic	(m) MD	(in) OD	(in) ID	Casing String
Kelly Bushing Elevation			38.0					
Mean Sea Level			0.0					
					39.0	36.000		Borehole Segment
					122.2	30.000	28.0	Casing Shoe

All depths are driller's depths



1117.0	13.375	12.415	Casing Shoe
1117.0			Borehole Segment
1810.0	12.250		Borehole Segment Bottom

Schlumberger

Station @ 1638.0m

MAXIS Field Log

Output DLIS Files

DEFAULT	MDT_OFA_068LTP	FN:70	PRODUCER	06−May−2008 00:12	1638.0 M	3.0 M

Elapsed Time (s)	Event Summary
1115.1	Retract Quick Probe Module (MRPQ) 1
930.0	Pumping Stopped 2425.0 C3 Dual Up−down Pumpout Module (MRPOUD)
930.0	Auto Reset Quick Probe Module (MRPQ) 1
422.1	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
207.6	Vert Pretest 10.1 cc @ 60 C3/M Quick Probe Module (MRPQ) 1

87.3	Probe Set @ 1638.0 M Quick Probe Module (MRPQ) 1

PIP SUMMARY

Time Mark Every 60 S

MRPQ 1 Strain Gauge Pressure (PQSG1)
0 (PSIA) 8000

MRPQ 1 Quartz Gauge Pressure (PQQP1)
0 (PSIA) 8000

MRPQ 1 Resistivity Cell Temperature (PQ1TR)
60 (DEGC) 80

MRHY 1 Motor Speed (HMS1) (RPM)
0 8000

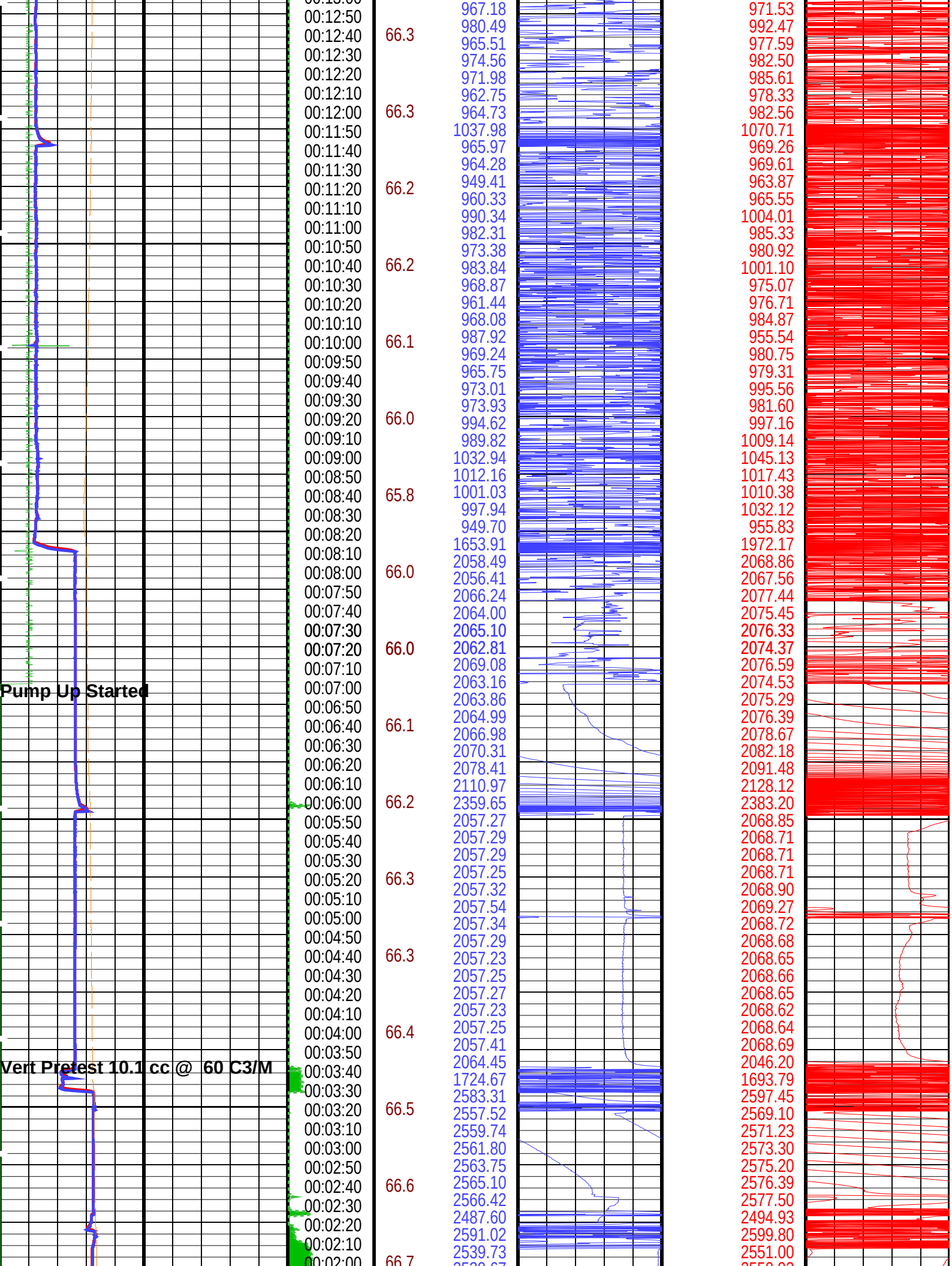
MRPQ 1 Strain Gauge Pressure (PQSG1) (PSIG)

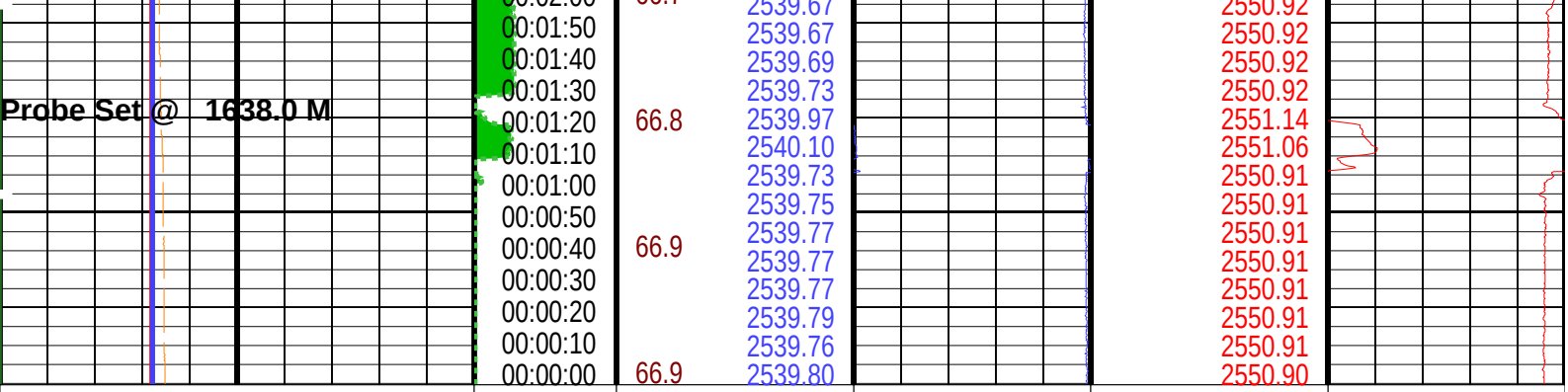
MRPOUD Motor Speed (POUDMS)
0 (RPM) 5000

Elapsed Time (ETIM) (S)	Resistivity Cell Temperature (PQ1TR) (DEGC)	MRPQ 1 Strain Gauge Pressure (PQSG1) (PSIG) 0 (PSIG) 10	MRPQ 1 Quartz Gauge Pressure (PQQP1) (PSIA)	MRPQ 1 Quartz Gauge Pressure (PQQP1) 0 (PSIA) 1
00:19:50		2539.55	2551.10	
00:19:40		2539.57	2551.10	
00:19:30		2539.61	2551.11	
00:19:20	65.8	2539.57	2551.14	
00:19:10		2539.49	2551.06	
00:19:00		2539.51	2551.06	
00:18:50		2539.37	2551.03	
00:18:40	65.9	2539.13	2550.69	
00:18:30		2057.60	2069.46	
00:18:20		2056.69	2068.56	
00:18:10		2056.68	2068.46	
00:18:00	66.0	2056.69	2068.47	
00:17:50		2056.68	2068.47	
00:17:40		2056.71	2068.47	
00:17:30		2056.73	2068.47	
00:17:20	66.1	2056.69	2068.47	
00:17:10		2056.73	2068.47	
00:17:00		2056.69	2068.48	
00:16:50		2056.69	2068.48	
00:16:40	66.3	2060.11	2079.15	
00:16:30		2056.73	2068.51	
00:16:20		2056.75	2068.52	
00:16:10		2056.69	2068.50	
00:16:00	66.5	2056.67	2068.50	
00:15:50		2056.64	2068.53	
00:15:40		2056.62	2068.52	
00:15:30		2056.76	2068.76	
00:15:20	66.5	2057.35	2069.29	
00:15:10		2060.47	2069.07	
00:15:00		986.15	1001.79	
00:14:50		1417.50	1047.08	
00:14:40	66.5	978.00	992.22	
00:14:30		987.55	992.77	
00:14:20		978.52	991.50	
00:14:10		976.40	994.79	
00:14:00	66.4	976.67	981.39	
00:13:50		986.08	995.07	
00:13:40		981.20	986.42	
00:13:30		972.16	985.93	
00:13:20	66.4	971.32	975.07	
00:13:10		972.11	988.12	
00:13:00		988.94	996.11	
		966.14	977.30	
		977.55	987.73	
		967.08	977.08	
		975.38	987.61	

Retract

Auto Reset stopped 2425.0 C3


Pump Up Started
Vert Pretest 10.1 cc @ 60 C3/M



MRPOUD Motor Speed (POUDMS)	Elapsed Time (ETIM) (S)	Resistivity Cell Temperature (PQ1TR) (DEGC)	MRPQ 1 Strain Gauge Pressure (PQSG1)	MRPQ 1 Quartz Gauge Pressure (PQQP1)	MRPQ 1 Quartz Gauge Pressure (PQQP1)
0 (RPM) 5000			0 (PSIG) 10	(PSIA)	0 (PSIA) 1

MRPQ 1 Resistivity Cell Temperature (PQ1TR)	MRHY 1 Motor Speed (HMS1) (RPM)	MRPQ 1 Strain Gauge Pressure (PQSG1) (PSIG)
60 (DEGC) 80	0 8000	

MRPQ 1 Quartz Gauge Pressure (PQQP1)
0 (PSIA) 8000

MRPQ 1 Strain Gauge Pressure (PQSG1)
0 (PSIA) 8000

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPQ_1: Quick Probe Module (MRPQ) 1		
QGCA	Quartz Gauge Pressure Correction Applied	BOTH	
QGDA	Quartz Gauge Deviation Angle	13	DEG
QGFD	Quartz Gauge Flow Line Density	1	G/C3
	AFA: Advanced Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: MRPQ_Pretest **Vertical Scale: 1" per 60S** **Graphics File Created: 06-May-2008 00:12**

OP System Version: 15C0-309

MCM

MRPQ_1	15C0-309	MRHY_1	15C0-309
MRPO_UD	15C0-309	AFA	15C0-309
MRMS_1	15C0-309	MRMS_2	15C0-309
MRPC	15C0-309	SGT-L	15C0-309
TCC-BF	15C0-309		

Output DLIS Files

DEFAULT	MDT_OFA_068LTP	FN:70	PRODUCER	06-May-2008 00:12

Company: 3D Oil **Well: West Seahorse 3**

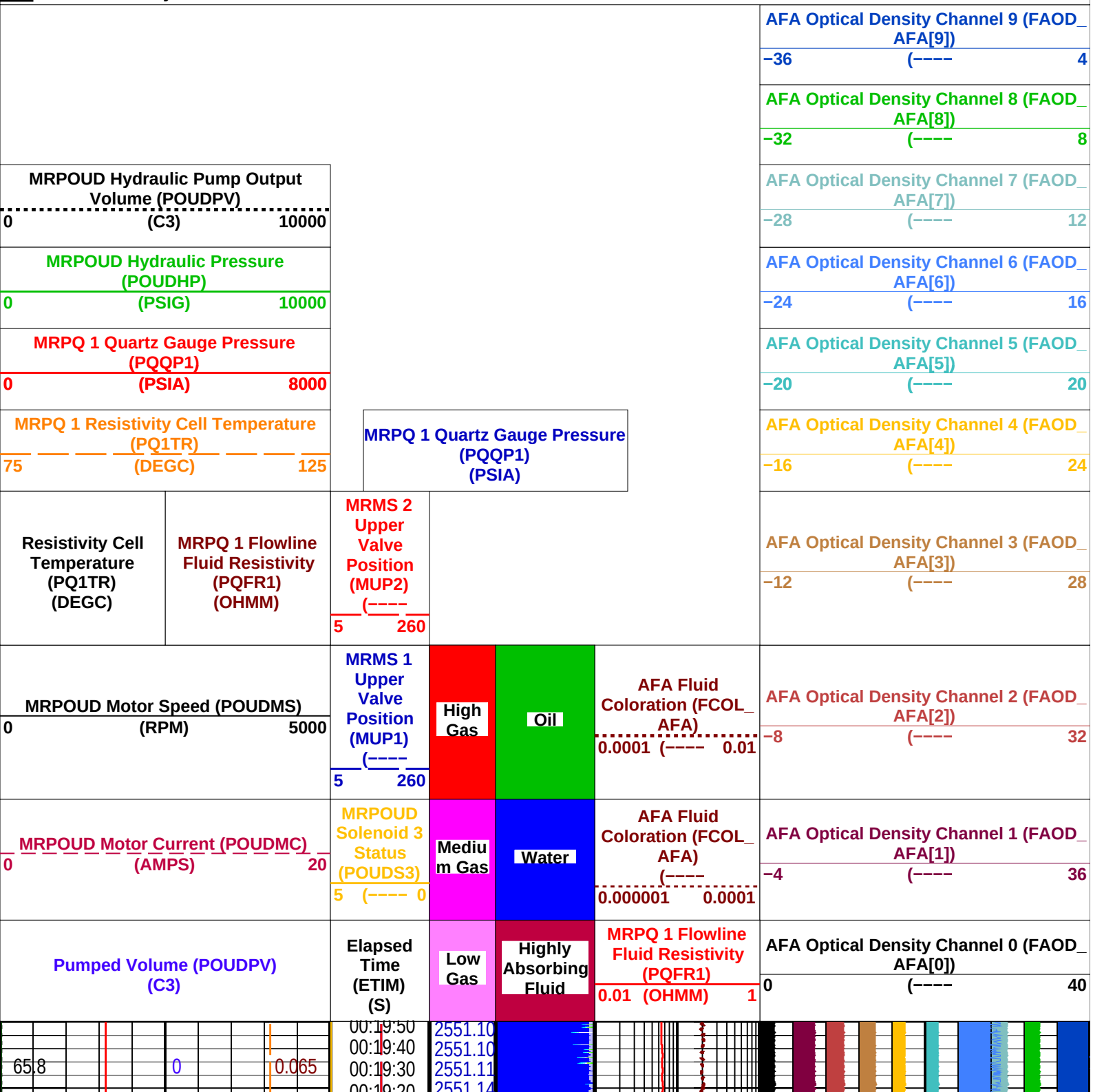
Output DLIS Files

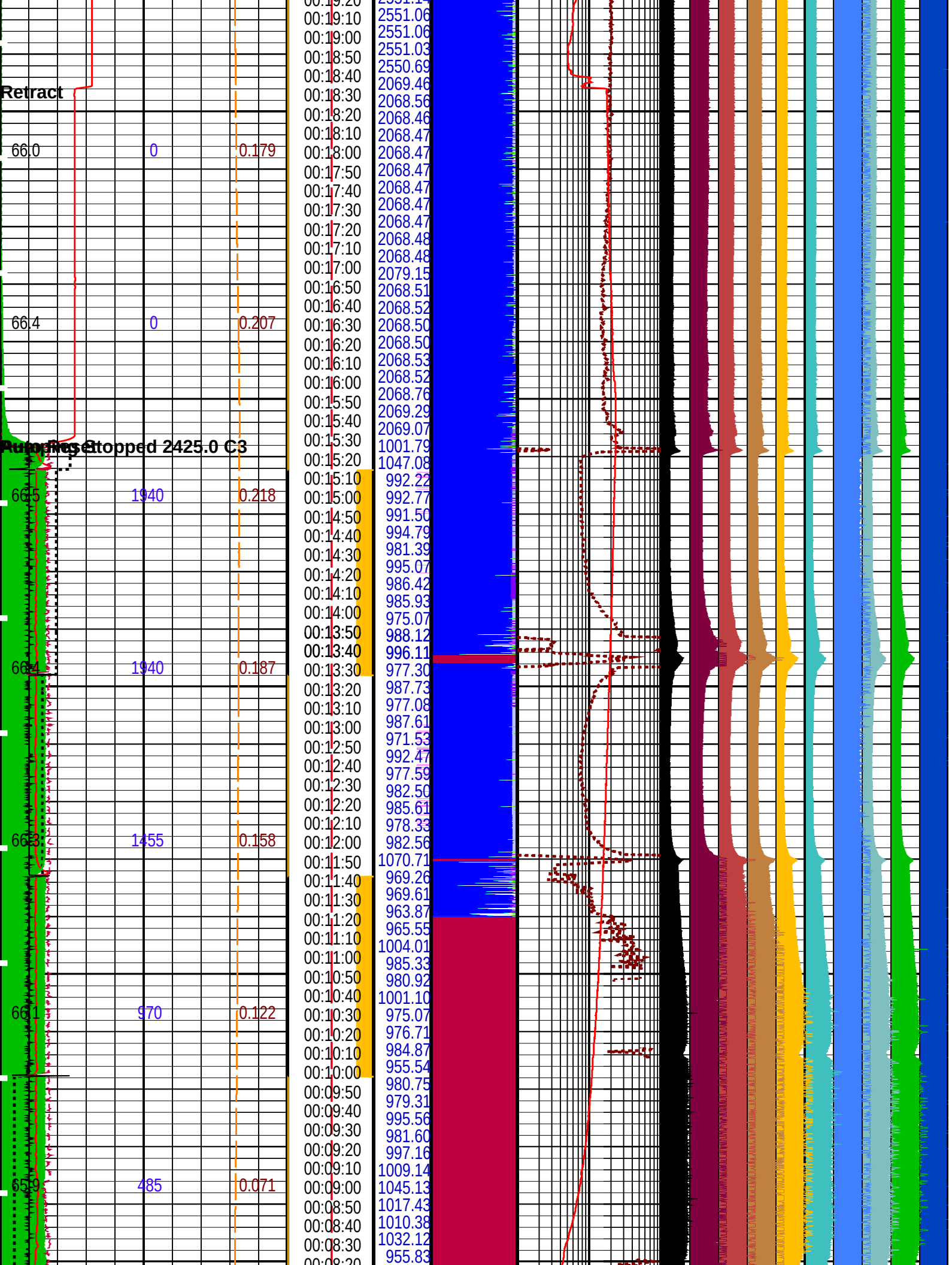
DEFAULT	MDT_OFA_068LTP	FN:70	PRODUCER	06-May-2008 00:12	1638.0 M	3.0 M

Elapsed Time (s)	Event Summary
1115.1	Retract Quick Probe Module (MRPQ) 1
930.0	Pumping Stopped 2425.0 C3 Dual Up−down Pumpout Module (MRPOUD)
930.0	Auto Reset Quick Probe Module (MRPQ) 1
422.1	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
207.6	Vert Pretest 10.1 cc @ 60 C3/M Quick Probe Module (MRPQ) 1
87.3	Probe Set @ 1638.0 M Quick Probe Module (MRPQ) 1

PIP SUMMARY

Time Mark Every 60 S




Retract
66.0 0 0.179
66.4 0 0.207
Pump Reset
Stopped 2425.0 C3
66.5 1940 0.218
66.4 1940 0.187
66.2 1455 0.158
66.1 970 0.122
65.9 485 0.071
00:19:20 2551.14
00:19:10 2551.06
00:19:00 2551.06
00:18:50 2551.03
00:18:40 2550.69
00:18:30 2069.46
00:18:20 2068.56
00:18:10 2068.46
00:18:00 2068.47
00:17:50 2068.47
00:17:40 2068.47
00:17:30 2068.47
00:17:20 2068.47
00:17:10 2068.48
00:17:00 2068.48
00:16:50 2079.15
00:16:40 2068.51
00:16:30 2068.52
00:16:20 2068.50
00:16:10 2068.50
00:16:00 2068.53
00:15:50 2068.52
00:15:40 2068.76
00:15:30 2069.29
00:15:20 2069.07
00:15:10 1001.79
00:15:00 1047.08
00:14:50 992.22
00:14:40 992.77
00:14:30 991.50
00:14:20 994.79
00:14:10 981.39
00:14:00 995.07
00:13:50 986.42
00:13:40 985.93
00:13:30 975.07
00:13:20 988.12
00:13:10 996.11
00:13:00 977.30
00:12:50 987.73
00:12:40 977.08
00:12:30 987.61
00:12:20 971.53
00:12:10 992.47
00:12:00 977.59
00:11:50 982.50
00:11:40 985.61
00:11:30 978.33
00:11:20 982.56
00:11:10 1070.71
00:11:00 969.26
00:10:50 969.61
00:10:40 963.87
00:10:30 965.55
00:10:20 1004.01
00:10:10 985.33
00:10:00 980.92
00:09:50 1001.10
00:09:40 975.07
00:09:30 976.71
00:09:20 984.87
00:09:10 955.54
00:09:00 980.75
00:08:50 979.31
00:08:40 995.56
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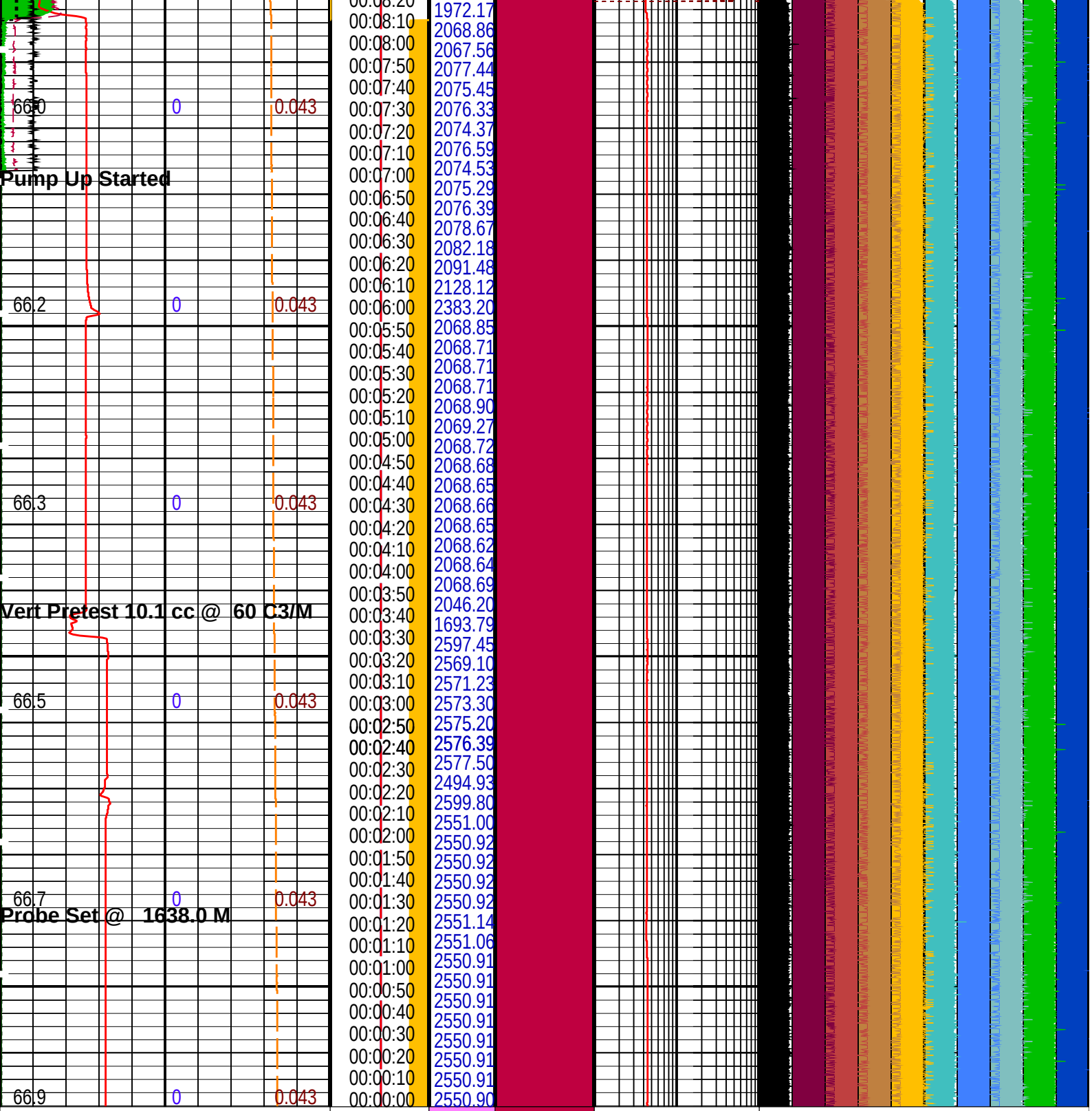
1017.43
1010.38
1032.12
955.83



Pumped Volume (POUDPV) (C3)	Elapsed Time (ETIM) (S)	Low Gas	Highly Absorbing Fluid	MRPQ 1 Flowline Fluid Resistivity (PQFR1) 0.01 (OHMM) 1	AFA Optical Density Channel 0 (FAOD_AFA[0]) 0 (---- 40
MRPOUD Motor Current (POUDMC) 0 (AMPS) 20	MRPOUD Solenoid 3 Status (POUDS3) 5 (---- 0	Medium Gas	Water	AFA Fluid Coloration (FCOL_AFA) (---- 0.000001 0.0001	AFA Optical Density Channel 1 (FAOD_AFA[1]) -4 (---- 36
MRPOUD Motor Speed (POUDMS) 0 (RPM) 5000	MRMS 1 Upper Valve Position (MUP1) (----	High Gas	Oil	AFA Fluid Coloration (FCOL_AFA) 0.0001 (---- 0.01	AFA Optical Density Channel 2 (FAOD_AFA[2]) -8 (---- 32

Resistivity Cell Temperature (PQ1TR) (DEGC)	MRPQ 1 Flowline Fluid Resistivity (PQFR1) (OHMM)	MRMS 2 Upper Valve Position (MUP2) (----- 5 260	AFA Optical Density Channel 3 (FAOD_AFA[3]) −12 (---- 28
MRPQ 1 Resistivity Cell Temperature (PQ1TR) 75 (DEGC) 125		MRPQ 1 Quartz Gauge Pressure (PQQP1) (PSIA)	AFA Optical Density Channel 4 (FAOD_AFA[4]) −16 (---- 24
MRPQ 1 Quartz Gauge Pressure (PQQP1) 0 (PSIA) 8000			AFA Optical Density Channel 5 (FAOD_AFA[5]) −20 (---- 20
MRPOUD Hydraulic Pressure (POUDHP) 0 (PSIG) 10000			AFA Optical Density Channel 6 (FAOD_AFA[6]) −24 (---- 16
MRPOUD Hydraulic Pump Output Volume (POUDPV) 0 (C3) 10000			AFA Optical Density Channel 7 (FAOD_AFA[7]) −28 (---- 12
			AFA Optical Density Channel 8 (FAOD_AFA[8]) −32 (---- 8
			AFA Optical Density Channel 9 (FAOD_AFA[9]) −36 (---- 4

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPQ_1: Quick Probe Module (MRPQ) 1		
QGCA	Quartz Gauge Pressure Correction Applied	BOTH	
QGDA	Quartz Gauge Deviation Angle	13	DEG
QGFD	Quartz Gauge Flow Line Density	1	G/C3
	MRPO_UD: Dual Up−down Pumpout Module (MRPOUD)		
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	485	
	AFA: Advanced Fluid Analyzer		
CEXP_AFA	AFA Coloration Exponent	4.6	
DCDW_AFA	AFA Decolor and Dewater Allow/Disallow for Gas Oil Ratio	ALLOW	
FAGM_AFA	AFA GOR Allow/Disallow Mode	ALLOW	
FAJM_AFA	AFA Job Mode	LFA	
FATCM_AFA	AFA Temp. Coef. Measure Mode	** V **	
FATCS_AFA	AFA Temp. Coef. Source Mode	** V **	
GASH_AFA	AFA Gas Indicator High Level Threshold	0.4	
GASL_AFA	AFA Gas Indicator Low Level Threshold	0.05	
GASM_AFA	AFA Gas Indicator Medium Level Threshold	0.1	
GORD_AFA	AFA GOR Disqualification Level	0.1	
PDCO	Probe Depth Correction Offset	0	M
SATL_AFA	AFA Saturation Level of Optical Density Measurement	** V **	
TCPS_STATUS_AFA	AFA Temperature Compensation Coefficient Status	VALID	
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: MRPQ_AFA_Water Vertical Scale: 1" per 60S Graphics File Created: 06−May−2008 00:12

OP System Version: 15C0−309

MCM

MRPQ_1	15C0−309	MRHY_1	15C0−309
MRPO_UD	15C0−309	AFA	15C0−309
MRMS_1	15C0−309	MRMS_2	15C0−309
MRPC	15C0−309	SGT−L	15C0−309
TCC−BF	15C0−309		

Output DLIS Files

DEFAULT MDT_OFA_068LTP FN:70 PRODUCER 06−May−2008 00:12

Schlumberger

Station @ 1638.5m

MAXIS Field Log

Output DLIS Files

DEFAULT MDT_OFA_069LTP FN:71 PRODUCER 06−May−2008 00:39 1638.5 M 4.8 M

Elapsed Time (s)	Event Summary
1789.2	Retract Quick Probe Module (MRPQ) 1
1695.9	Pumping Stopped 14065.0 C3 Dual Up−down Pumpout Module (MRPOUD)
1341.0	Auto Reset Quick Probe Module (MRPQ) 1
1034.4	Auto Reset Quick Probe Module (MRPQ) 1
964.8	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
892.8	Pumping Stopped 4850.0 C3 Dual Up−down Pumpout Module (MRPOUD)
451.5	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
234.9	Vert Pretest 10.3 cc @ 60 C3/M Quick Probe Module (MRPQ) 1
81.3	Probe Set @ 1638.5 M Quick Probe Module (MRPQ) 1

PIP SUMMARY

Time Mark Every 60 S

MRPQ 1 Strain Gauge Pressure (PQSG1)
0 (PSIA) 8000

MRPQ 1 Quartz Gauge Pressure (PQQP1)
0 (PSIA) 8000

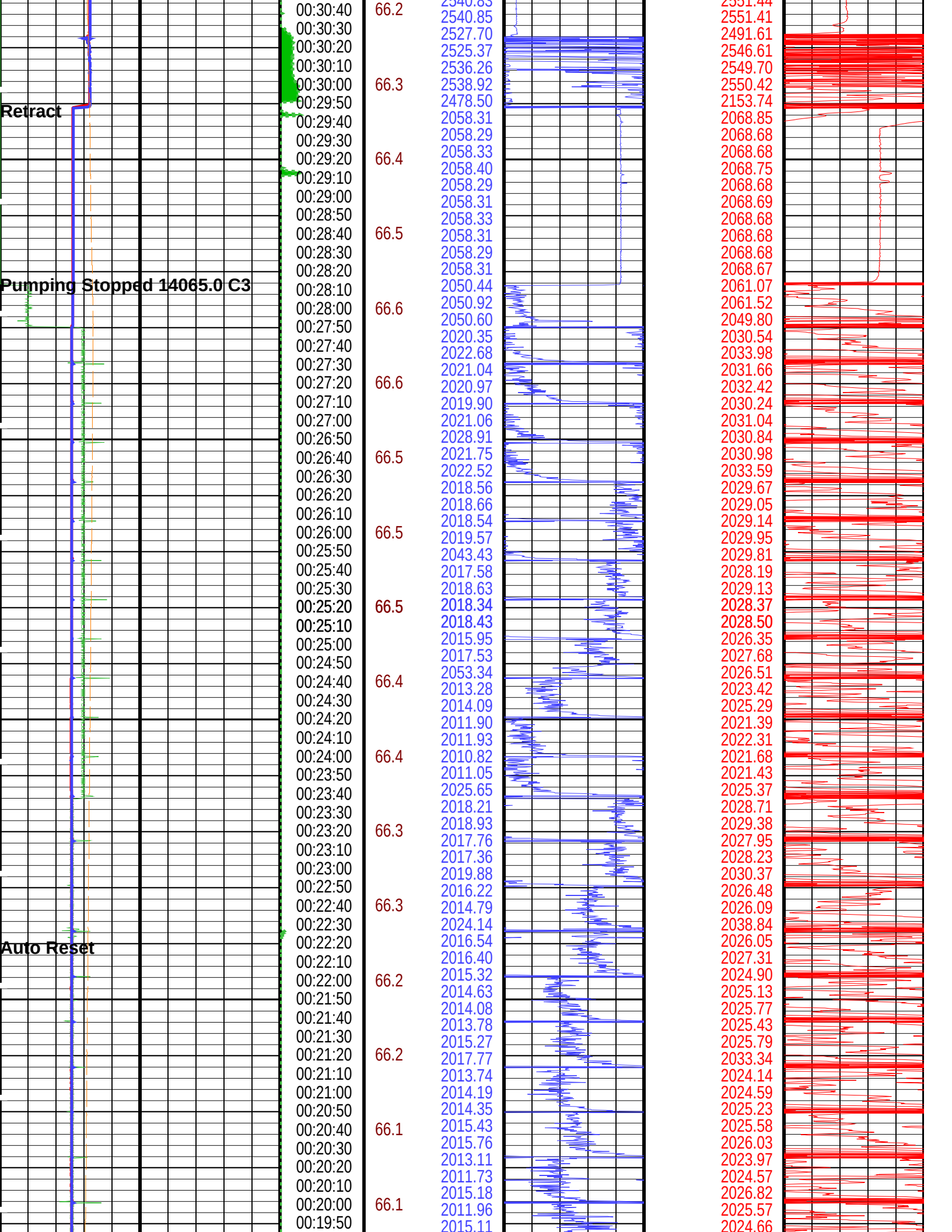
MRPQ 1 Resistivity Cell Temperature (PQ1TR)
60 (DEGC) 80

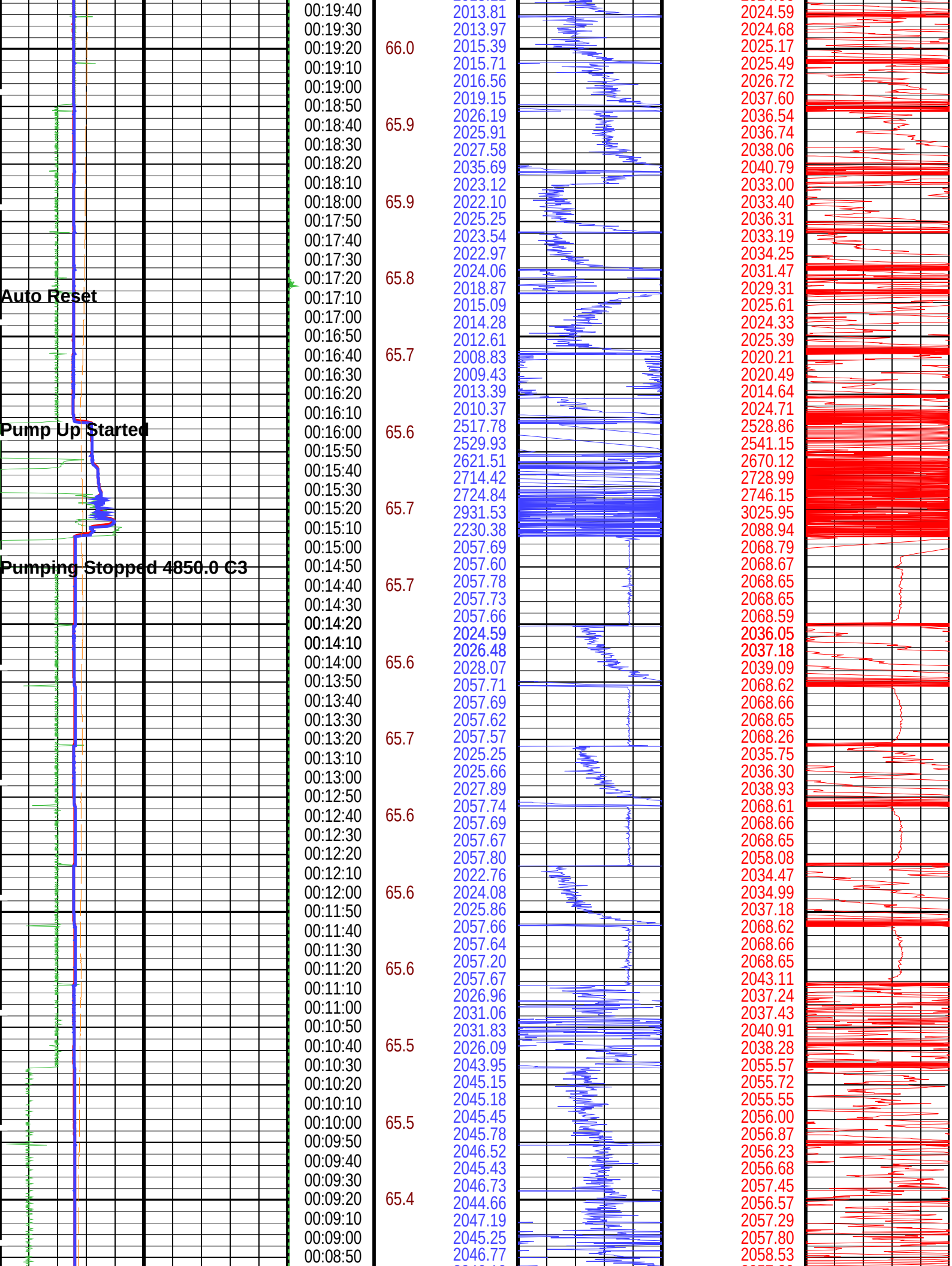
MRHY 1 Motor Speed (HMS1) (RPM)
0 8000

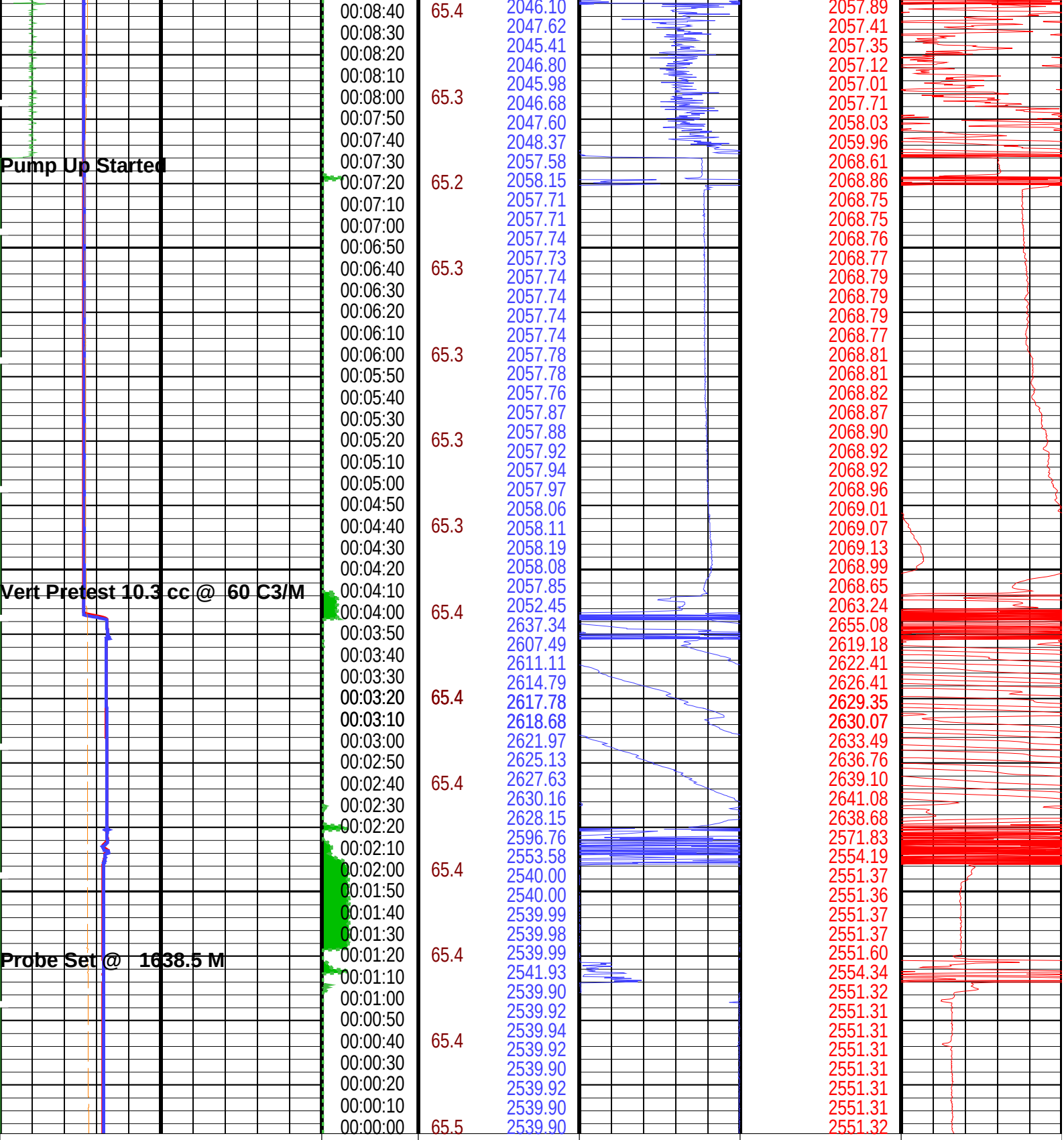
MRPQ 1 Strain Gauge Pressure (PQSG1) (PSIG)

MRPOUD Motor Speed (POUDMS)
0 (RPM) 5000

Elapsed Time (ETIM) (S)	Resistivity Cell Temperature (PQ1TR) (DEGC)	MRPQ 1 Strain Gauge Pressure (PQSG1) 0 (PSIG) 10	MRPQ 1 Quartz Gauge Pressure (PQQP1) (PSIA)	MRPQ 1 Quartz Gauge Pressure (PQQP1) 0 (PSIA) 1
00:31:40	2540.71		2551.39	
00:31:30	2540.73		2551.40	
00:31:20	66.2 2540.73		2551.41	
00:31:10	2540.75		2551.42	
00:31:00	2540.77		2551.43	
00:30:50	2540.75		2551.44	


Retract
Pumping Stopped 14065.0 C3
Auto Reset
00:30:40 66.2 2540.85 2551.41
00:30:30 2527.70 2491.61
00:30:20 2525.37 2546.61
00:30:10 2536.26 2549.70
00:30:00 66.3 2538.92 2550.42
00:29:50 2478.50 2153.74
00:29:40 2058.31 2068.85
00:29:30 2058.29 2068.68
00:29:20 66.4 2058.33 2068.68
00:29:10 2058.40 2068.75
00:29:00 2058.29 2068.68
00:28:50 2058.31 2068.69
00:28:40 66.5 2058.33 2068.68
00:28:30 2058.31 2068.68
00:28:20 2058.29 2068.68
00:28:10 2058.31 2068.67
00:28:00 66.6 2050.44 2061.07
00:27:50 2050.92 2061.52
00:27:40 2050.60 2049.80
00:27:30 2020.35 2030.54
00:27:20 66.6 2022.68 2033.98
00:27:10 2021.04 2031.66
00:27:00 2020.97 2032.42
00:26:50 2019.90 2030.24
00:26:40 66.5 2021.06 2031.04
00:26:30 2028.91 2030.84
00:26:20 2021.75 2030.98
00:26:10 2022.52 2033.59
00:26:00 66.5 2018.56 2029.67
00:25:50 2018.66 2029.05
00:25:40 2018.54 2029.14
00:25:30 2019.57 2029.95
00:25:20 66.5 2043.43 2029.81
00:25:10 2017.58 2028.19
00:25:00 2018.63 2029.13
00:24:50 2018.34 2028.37
00:24:40 66.4 2018.43 2028.50
00:24:30 2015.95 2026.35
00:24:20 2017.53 2027.68
00:24:10 2053.34 2026.51
00:24:00 66.4 2013.28 2023.42
00:23:50 2014.09 2025.29
00:23:40 2011.90 2021.39
00:23:30 2011.93 2022.31
00:23:20 66.3 2010.82 2021.68
00:23:10 2011.05 2021.43
00:23:00 2025.65 2025.37
00:22:50 2018.21 2028.71
00:22:40 66.3 2018.93 2029.38
00:22:30 2017.76 2027.95
00:22:20 2017.36 2028.23
00:22:10 2019.88 2030.37
00:22:00 66.2 2016.22 2026.48
00:21:50 2014.79 2026.09
00:21:40 2024.14 2038.84
00:21:30 2016.54 2026.05
00:21:20 66.2 2016.40 2027.31
00:21:10 2015.32 2024.90
00:21:00 2014.63 2025.13
00:20:50 2014.08 2025.77
00:20:40 66.1 2013.78 2025.43
00:20:30 2015.27 2025.79
00:20:20 2017.77 2033.34
00:20:10 2013.74 2024.14
00:20:00 66.1 2014.19 2024.59
00:19:50 2014.35 2025.23
2015.43 2025.58
2015.76 2026.03
2013.11 2023.97
2011.73 2024.57
2015.18 2026.82
2011.96 2025.57
2015.11 2024.66


Auto Reset
Pump Up Started
Pumping Stopped 4850.0 C3



Elapsed Time (ETIM) (S)	Resistivity Cell Temperature (PQ1TR) (DEGC)	MRPQ 1 Strain Gauge Pressure (PQSG1) (PSIG)	MRPQ 1 Quartz Gauge Pressure (PQQP1) (PSIA)	MRPQ 1 Quartz Gauge Pressure (PQQP1) (PSIA)
00:08:40	65.4	2046.10	2057.89	
00:08:30		2047.62	2057.41	
00:08:20		2045.41	2057.35	
00:08:10		2046.80	2057.12	
00:08:00	65.3	2045.98	2057.01	
00:07:50		2046.68	2057.71	
00:07:40		2047.60	2058.03	
00:07:30		2048.37	2059.96	
00:07:20	65.2	2057.58	2068.61	
00:07:10		2058.15	2068.86	
00:07:00		2057.71	2068.75	
00:06:50		2057.71	2068.75	
00:06:40	65.3	2057.74	2068.76	
00:06:30		2057.73	2068.77	
00:06:20		2057.74	2068.79	
00:06:10		2057.74	2068.79	
00:06:00	65.3	2057.74	2068.79	
00:05:50		2057.74	2068.77	
00:05:40		2057.78	2068.81	
00:05:30		2057.78	2068.81	
00:05:20	65.3	2057.76	2068.82	
00:05:10		2057.87	2068.87	
00:05:00		2057.88	2068.90	
00:04:50		2057.92	2068.92	
00:04:40	65.3	2057.94	2068.92	
00:04:30		2057.97	2068.96	
00:04:20		2058.06	2069.01	
00:04:10		2058.11	2069.07	
00:04:00	65.4	2058.19	2069.13	
00:03:50		2058.08	2068.99	
00:03:40		2057.85	2068.65	
00:03:30		2052.45	2063.24	
00:03:20	65.4	2637.34	2655.08	
00:03:10		2607.49	2619.18	
00:03:00		2611.11	2622.41	
00:02:50		2614.79	2626.41	
00:02:40	65.4	2617.78	2629.35	
00:02:30		2618.68	2630.07	
00:02:20		2621.97	2633.49	
00:02:10		2625.13	2636.76	
00:02:00	65.4	2627.63	2639.10	
00:01:50		2630.16	2641.08	
00:01:40		2628.15	2638.68	
00:01:30		2596.76	2571.83	
00:01:20	65.4	2553.58	2554.19	
00:01:10		2540.00	2551.37	
00:01:00		2540.00	2551.36	
00:00:50		2539.99	2551.37	
00:00:40	65.4	2539.98	2551.37	
00:00:30		2539.99	2551.60	
00:00:20		2541.93	2554.34	
00:00:10		2539.90	2551.32	
00:00:00	65.5	2539.92	2551.31	
		2539.94	2551.31	
		2539.92	2551.31	
		2539.90	2551.31	
		2539.92	2551.31	
		2539.90	2551.31	
		2539.90	2551.32	

MRPOUD Motor Speed (POUDMS) (RPM) 0 5000

MRPQ 1 Resistivity Cell Temperature (PQ1TR) (DEGC) 60 80

MRHY 1 Motor Speed (HMS1) (RPM) 0 8000

MRPQ 1 Strain Gauge Pressure (PQSG1) (PSIG)

MRPQ 1 Quartz Gauge Pressure (PQQP1) (PSIA)

0	(PSIA)	8000

MRPQ 1 Strain Gauge Pressure (PQSG1)		
0	(PSIA)	8000

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPQ_1: Quick Probe Module (MRPQ) 1		
QGCA	Quartz Gauge Pressure Correction Applied	BOTH	
QGDA	Quartz Gauge Deviation Angle	13	DEG
QGFD	Quartz Gauge Flow Line Density	1	G/C3
	AFA: Advanced Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: MRPQ_Pretest Vertical Scale: 1" per 60S Graphics File Created: 06−May−2008 00:39

OP System Version: 15C0−309

MCM

MRPQ_1	15C0−309	MRHY_1	15C0−309
MRPO_UD	15C0−309	AFA	15C0−309
MRMS_1	15C0−309	MRMS_2	15C0−309
MRPC	15C0−309	SGT−L	15C0−309
TCC−BF	15C0−309		

Output DLIS Files

DEFAULT	MDT_OFA_069LTP	FN:71	PRODUCER	06−May−2008 00:39		

Company: 3D Oil Well: West Seahorse 3

Output DLIS Files

DEFAULT	MDT_OFA_069LTP	FN:71	PRODUCER	06−May−2008 00:39	1638.5 M	4.8 M

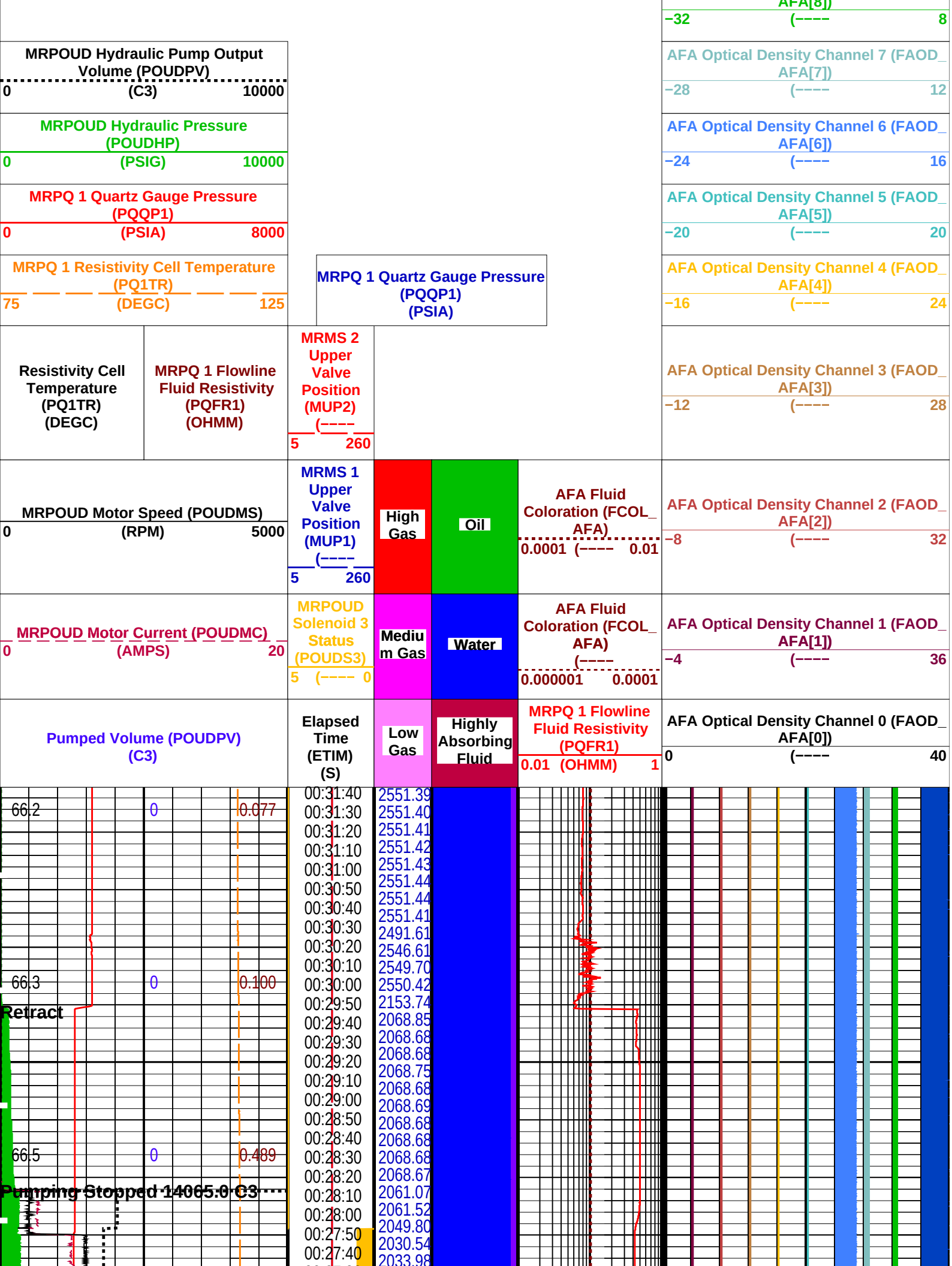
Elapsed Time (s)	Event Summary
1789.2	Retract Quick Probe Module (MRPQ) 1
1695.9	Pumping Stopped 14065.0 C3 Dual Up−down Pumpout Module (MRPOUD)
1341.0	Auto Reset Quick Probe Module (MRPQ) 1
1034.4	Auto Reset Quick Probe Module (MRPQ) 1
964.8	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
892.8	Pumping Stopped 4850.0 C3 Dual Up−down Pumpout Module (MRPOUD)
451.5	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
234.9	Vert Pretest 10.3 cc @ 60 C3/M Quick Probe Module (MRPQ) 1
81.3	Probe Set @ 1638.5 M Quick Probe Module (MRPQ) 1

PIP SUMMARY

Time Mark Every 60 S

AFA Optical Density Channel 9 (FAOD_AFA[9])		
−36	(−−−−	4

AFA Optical Density Channel 8 (FAOD_


MRPOUD Hydraulic Pump Output Volume (POUDPV)
0 (C3) 10000
MRPOUD Hydraulic Pressure (POUDHP)
0 (PSIG) 10000
MRPQ 1 Quartz Gauge Pressure (PQQP1)
0 (PSIA) 8000
MRPQ 1 Resistivity Cell Temperature (PQ1TR)
75 (DEGC) 125
MRPQ 1 Quartz Gauge Pressure (PQQP1) (PSIA)
Resistivity Cell Temperature (PQ1TR) (DEGC)
MRPQ 1 Flowline Fluid Resistivity (PQFR1) (OHMM)
MRMS 2 Upper Valve Position (MUP2)
5 260
MRPOUD Motor Speed (POUDMS)
0 (RPM) 5000
MRMS 1 Upper Valve Position (MUP1)
5 260
High Gas
Oil
AFA Fluid Coloration (FCOL_AFA)
0.0001 0.01
MRPOUD Motor Current (POUDMC)
0 (AMPS) 20
MRPOUD Solenoid 3 Status (POUDS3)
5 0
Mediu m Gas
Water
AFA Fluid Coloration (FCOL_AFA)
0.000001 0.0001
Pumped Volume (POUDPV) (C3)
Elapsed Time (ETIM) (S)
Low Gas
Highly Absorbing Fluid
MRPQ 1 Flowline Fluid Resistivity (PQFR1)
0.01 (OHMM) 1
AFA Optical Density Channel 8 (FAOD_AFA[8])
−32 8
AFA Optical Density Channel 7 (FAOD_AFA[7])
−28 12
AFA Optical Density Channel 6 (FAOD_AFA[6])
−24 16
AFA Optical Density Channel 5 (FAOD_AFA[5])
−20 20
AFA Optical Density Channel 4 (FAOD_AFA[4])
−16 24
AFA Optical Density Channel 3 (FAOD_AFA[3])
−12 28
AFA Optical Density Channel 2 (FAOD_AFA[2])
−8 32
AFA Optical Density Channel 1 (FAOD_AFA[1])
−4 36
AFA Optical Density Channel 0 (FAOD_AFA[0])
0 40
66.2
0
0.077
66.3
0
0.100
Retract
66.5
0
0.489
Pumping Stopped 14065.0 C3
00:31:40 2551.39
00:31:30 2551.40
00:31:20 2551.41
00:31:10 2551.42
00:31:00 2551.43
00:30:50 2551.44
00:30:40 2551.44
00:30:30 2551.41
00:30:20 2491.61
00:30:10 2546.61
00:30:00 2549.70
00:29:50 2550.42
00:29:40 2153.74
00:29:30 2068.85
00:29:20 2068.68
00:29:10 2068.68
00:29:00 2068.75
00:28:50 2068.68
00:28:40 2068.69
00:28:30 2068.68
00:28:20 2068.68
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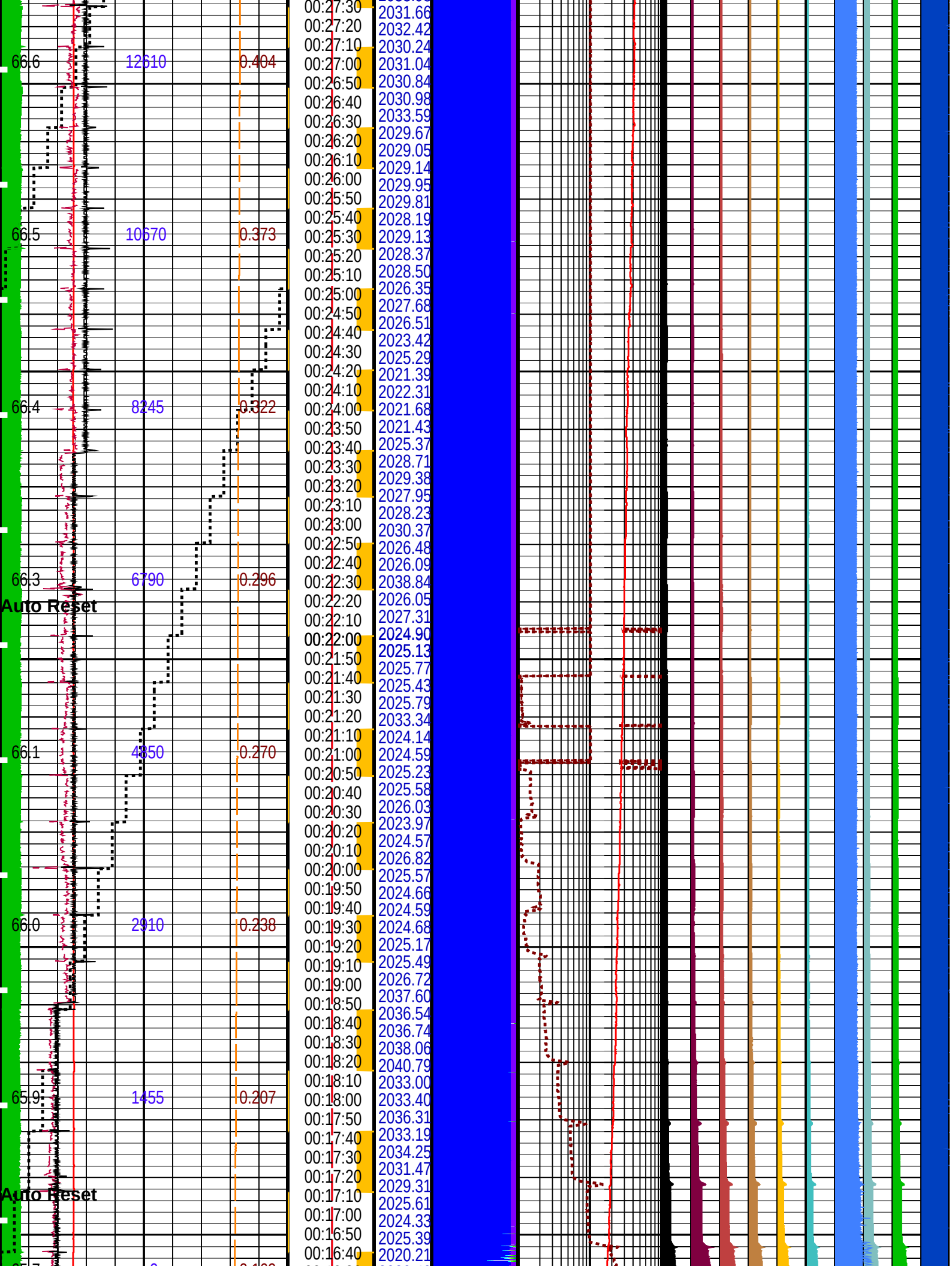
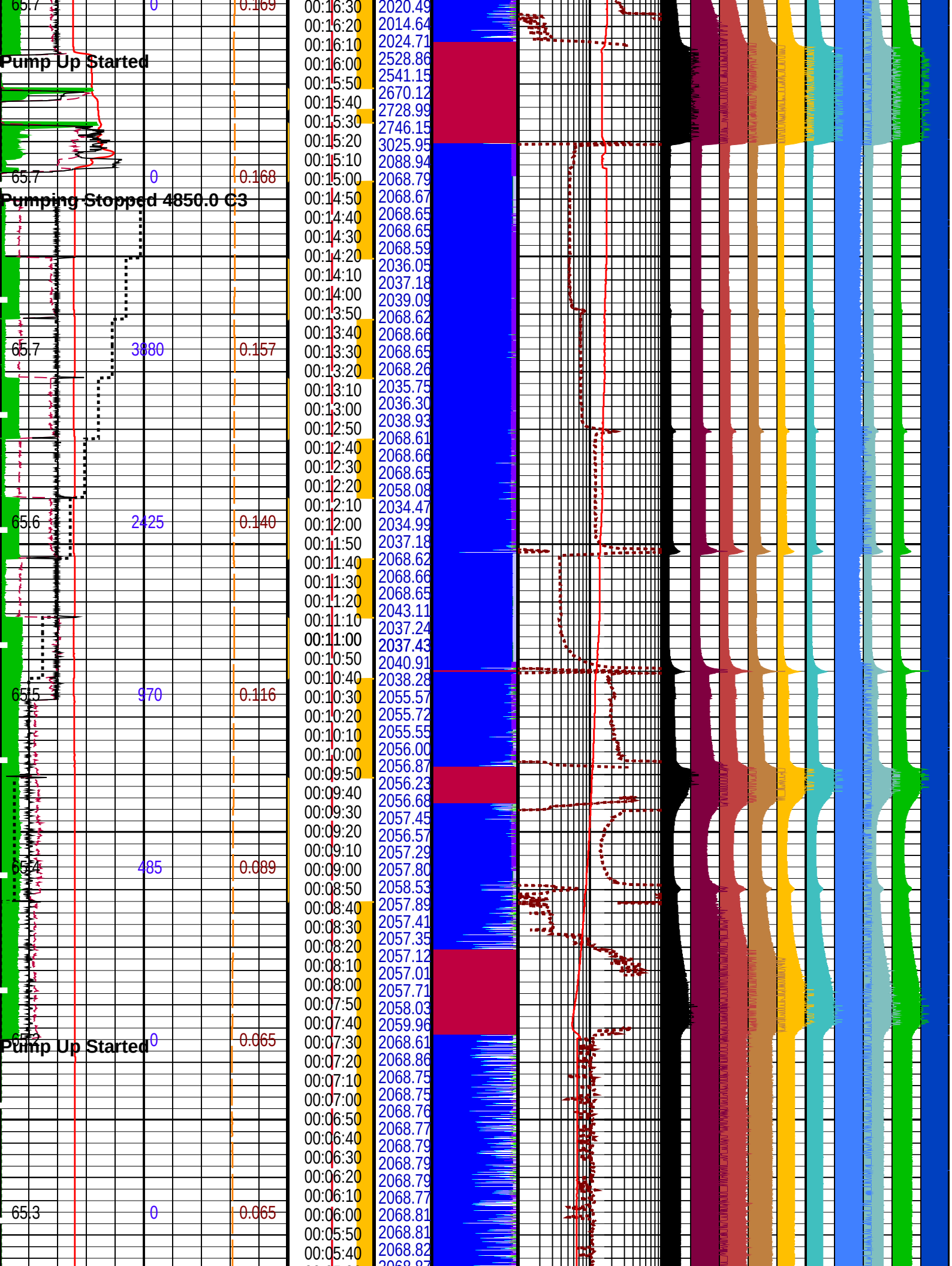
00:28:00 2061.07
00:27:50 2061.52
00:27:40 2049.80
2030.54
2033.98


66.6
12610
0.404
66.5
10670
0.373
66.4
8245
0.322
66.3
6790
0.296
Auto Reset
66.1
4850
0.270
66.0
2910
0.238
65.9
1455
0.207
Auto Reset
00:27:30 2031.66
00:27:20 2032.42
00:27:10 2030.24
00:27:00 2031.04
00:26:50 2030.84
00:26:40 2030.98
00:26:30 2033.59
00:26:20 2029.67
00:26:10 2029.05
00:26:00 2029.14
00:25:50 2029.95
00:25:40 2029.81
00:25:30 2028.19
00:25:20 2029.13
00:25:10 2028.37
00:25:00 2028.50
00:24:50 2026.35
00:24:40 2027.68
00:24:30 2026.51
00:24:20 2023.42
00:24:10 2025.29
00:24:00 2021.39
00:23:50 2022.31
00:23:40 2021.68
00:23:30 2021.43
00:23:20 2025.37
00:23:10 2028.71
00:23:00 2029.38
00:22:50 2027.95
00:22:40 2028.23
00:22:30 2030.37
00:22:20 2026.48
00:22:10 2026.09
00:22:00 2038.84
00:21:50 2026.05
00:21:40 2027.31
00:21:30 2024.90
00:21:20 2025.13
00:21:10 2025.77
00:21:00 2025.43
00:20:50 2025.79
00:20:40 2033.34
00:20:30 2024.14
00:20:20 2024.59
00:20:10 2025.23
00:20:00 2025.58
00:19:50 2026.03
00:19:40 2023.97
00:19:30 2024.57
00:19:20 2026.82
00:19:10 2025.57
00:19:00 2024.66
00:18:50 2024.59
00:18:40 2024.68
00:18:30 2025.17
00:18:20 2025.49
00:18:10 2026.72
00:18:00 2037.60
00:17:50 2036.54
00:17:40 2036.74
00:17:30 2038.06
00:17:20 2040.79
00:17:10 2033.00
00:17:00 2033.40
00:16:50 2036.31
00:16:40 2033.19
2034.25
2031.47
2029.31
2025.61
2024.33
2025.39
2020.21


65.7
0
0.169
Pump Up Started
65.7
0
0.168
Pumping Stopped 4850.0 C3
65.7
3880
0.157
65.6
2425
0.140
65.5
970
0.116
65.4
485
0.089
65.2
0
0.065
Pump Up Started
65.3
0
0.065
00:16:30 2020.49
00:16:20 2014.64
00:16:10 2024.71
00:16:00 2528.86
00:15:50 2541.15
00:15:40 2670.12
00:15:30 2728.99
00:15:20 2746.15
00:15:10 3025.95
00:15:00 2088.94
00:14:50 2068.79
00:14:40 2068.67
00:14:30 2068.65
00:14:20 2068.65
00:14:10 2068.59
00:14:00 2036.05
00:13:50 2037.18
00:13:40 2039.09
00:13:30 2068.62
00:13:20 2068.66
00:13:10 2068.65
00:13:00 2068.26
00:12:50 2035.75
00:12:40 2036.30
00:12:30 2038.93
00:12:20 2068.61
00:12:10 2068.66
00:12:00 2068.65
00:11:50 2058.08
00:11:40 2034.47
00:11:30 2034.99
00:11:20 2037.18
00:11:10 2068.62
00:11:00 2068.66
00:10:50 2068.65
00:10:40 2043.11
00:10:30 2037.24
00:10:20 2037.43
00:10:10 2040.91
00:10:00 2038.28
00:09:50 2055.57
00:09:40 2055.72
00:09:30 2055.55
00:09:20 2056.00
00:09:10 2056.87
00:09:00 2056.23
00:08:50 2056.68
00:08:40 2057.45
00:08:30 2056.57
00:08:20 2057.29
00:08:10 2057.80
00:08:00 2058.53
00:07:50 2057.89
00:07:40 2057.41
00:07:30 2057.35
00:07:20 2057.12
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00:07:00 2057.71
00:06:50 2058.03
00:06:40 2059.96
00:06:30 2068.61
00:06:20 2068.86
00:06:10 2068.75
00:06:00 2068.75
00:05:50 2068.76
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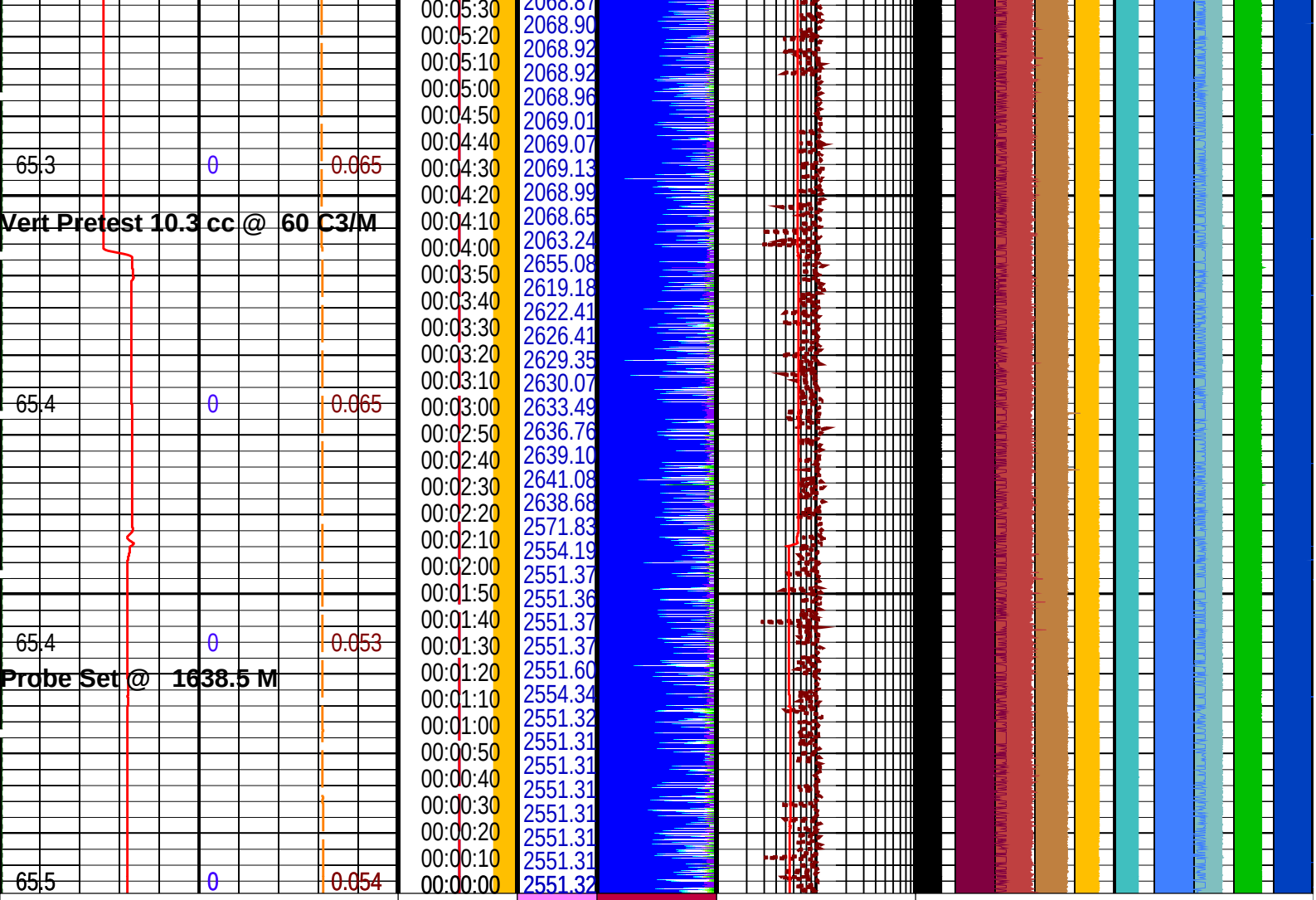
2068.79
2068.79
2068.79
2068.77
2068.81
2068.81
2068.82



Pumped Volume (POUDPV) (C3)

Elapsed Time (ETIM) (S)

Low Gas

Highly Absorbing Fluid

MRPQ 1 Flowline Fluid Resistivity (PQFR1)
0.01 (OHMM) 1

AFA Optical Density Channel 0 (FAOD_AFA[0])
0 (---- 40

MRPOUD Motor Current (POUDMC)
0 (AMPS) 20

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

Medium Gas

Water

AFA Fluid Coloration (FCOL_AFA)
(----
0.000001 0.0001

AFA Optical Density Channel 1 (FAOD_AFA[1])
-4 (---- 36

MRPOUD Motor Speed (POUDMS)
0 (RPM) 5000

MRMS 1 Upper Valve Position (MUP1)
(----
5 260

High Gas

Oil

AFA Fluid Coloration (FCOL_AFA)
0.0001 (---- 0.01

AFA Optical Density Channel 2 (FAOD_AFA[2])
-8 (---- 32

Resistivity Cell Temperature (PQ1TR) (DEGC)

MRPQ 1 Flowline Fluid Resistivity (PQFR1) (OHMM)

MRMS 2 Upper Valve Position (MUP2)
(----
5 260

AFA Optical Density Channel 3 (FAOD_AFA[3])
-12 (---- 28

MRPQ 1 Resistivity Cell Temperature (PQ1TR)
75 (DEGC) 125

MRPQ 1 Quartz Gauge Pressure (PQQP1) (PSIA)

AFA Optical Density Channel 4 (FAOD_AFA[4])
-16 (---- 24

MRPQ 1 Quartz Gauge Pressure (PQQP1)
0 (PSIA) 8000

AFA Optical Density Channel 5 (FAOD_AFA[5])
-20 (---- 20

MRPOUD Hydraulic Pressure

AFA Optical Density Channel 6 (FAOD

(POUDHP)		
0	(PSIG)	10000

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

AFA Optical Density Channel 6 (FAOD_AFA[6])		
−24	(−−−−	16

AFA Optical Density Channel 7 (FAOD_AFA[7])		
−28	(−−−−	12

AFA Optical Density Channel 8 (FAOD_AFA[8])		
−32	(−−−−	8

AFA Optical Density Channel 9 (FAOD_AFA[9])		
−36	(−−−−	4

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPQ_1: Quick Probe Module (MRPQ) 1		
QGCA	Quartz Gauge Pressure Correction Applied	BOTH	
QGDA	Quartz Gauge Deviation Angle	13	DEG
QGFD	Quartz Gauge Flow Line Density	1	G/C3
	MRPO_UD: Dual Up−down Pumpout Module (MRPOUD)		
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	485	
	AFA: Advanced Fluid Analyzer		
CEXP_AFA	AFA Coloration Exponent	4.6	
DCDW_AFA	AFA Decolor and Dewater Allow/Disallow for Gas Oil Ratio	ALLOW	
FAGM_AFA	AFA GOR Allow/Disallow Mode	ALLOW	
FAJM_AFA	AFA Job Mode	LFA	
FATCM_AFA	AFA Temp. Coef. Measure Mode	** V **	
FATCS_AFA	AFA Temp. Coef. Source Mode	** V **	
GASH_AFA	AFA Gas Indicator High Level Threshold	0.4	
GASL_AFA	AFA Gas Indicator Low Level Threshold	0.05	
GASM_AFA	AFA Gas Indicator Medium Level Threshold	0.1	
GORD_AFA	AFA GOR Disqualification Level	0.1	
PDCO	Probe Depth Correction Offset	0	M
SATL_AFA	AFA Saturation Level of Optical Density Measurement	** V **	
TCPS_STATUS_AFA	AFA Temperature Compensation Coefficient Status	VALID	
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: MRPQ_AFA_Water Vertical Scale: 1" per 60S Graphics File Created: 06−May−2008 00:39

OP System Version: 15C0−309

MCM

MRPQ_1	15C0−309	MRHY_1	15C0−309
MRPO_UD	15C0−309	AFA	15C0−309
MRMS_1	15C0−309	MRMS_2	15C0−309
MRPC	15C0−309	SGT−L	15C0−309
TCC−BF	15C0−309		

Output DLIS Files

DEFAULT	MDT_OFA_069LTP	FN:71	PRODUCER	06−May−2008 00:39

Schlumberger

Station @ 1567.0m

MAXIS Field Log

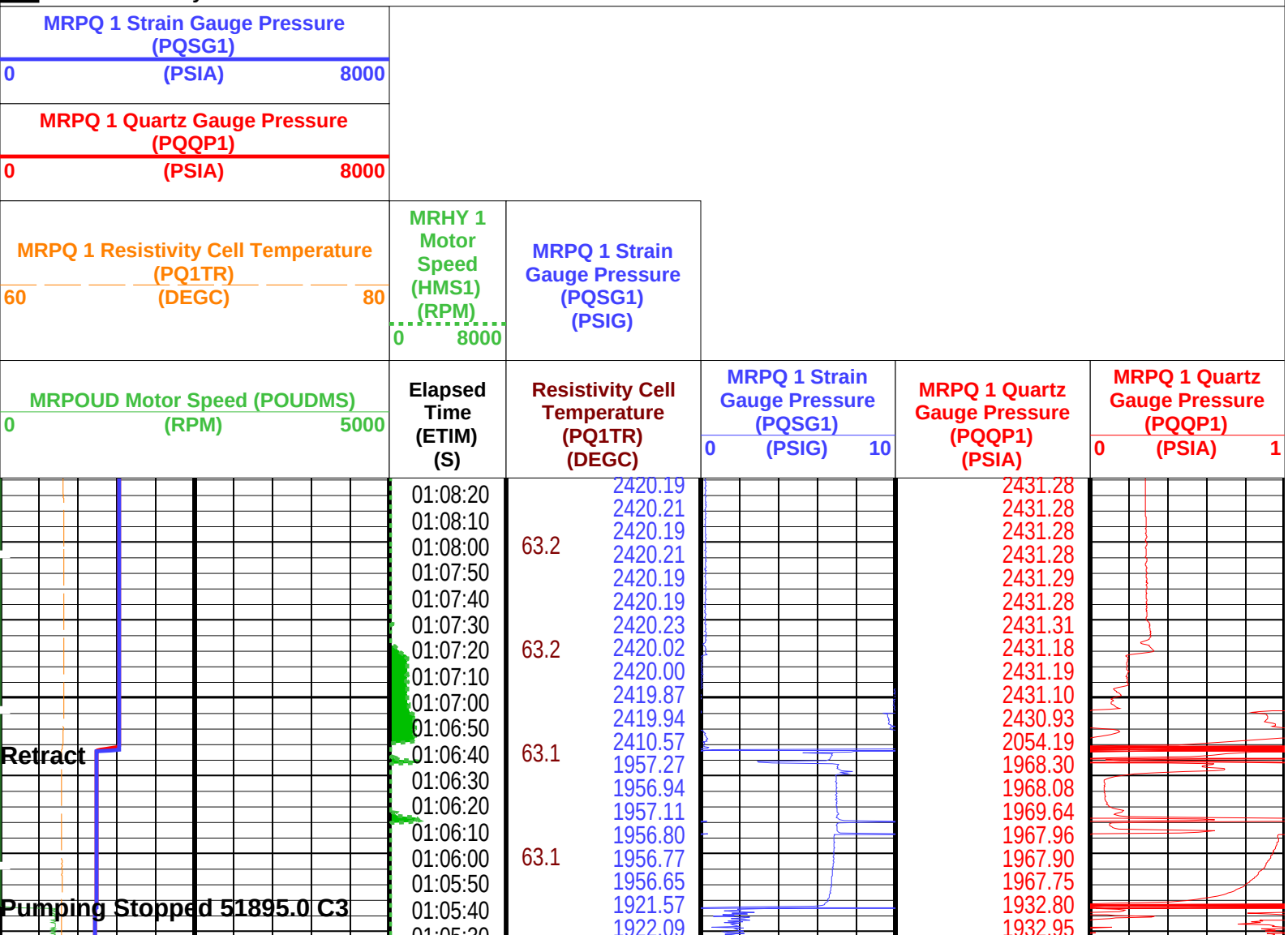
Output DLIS Files

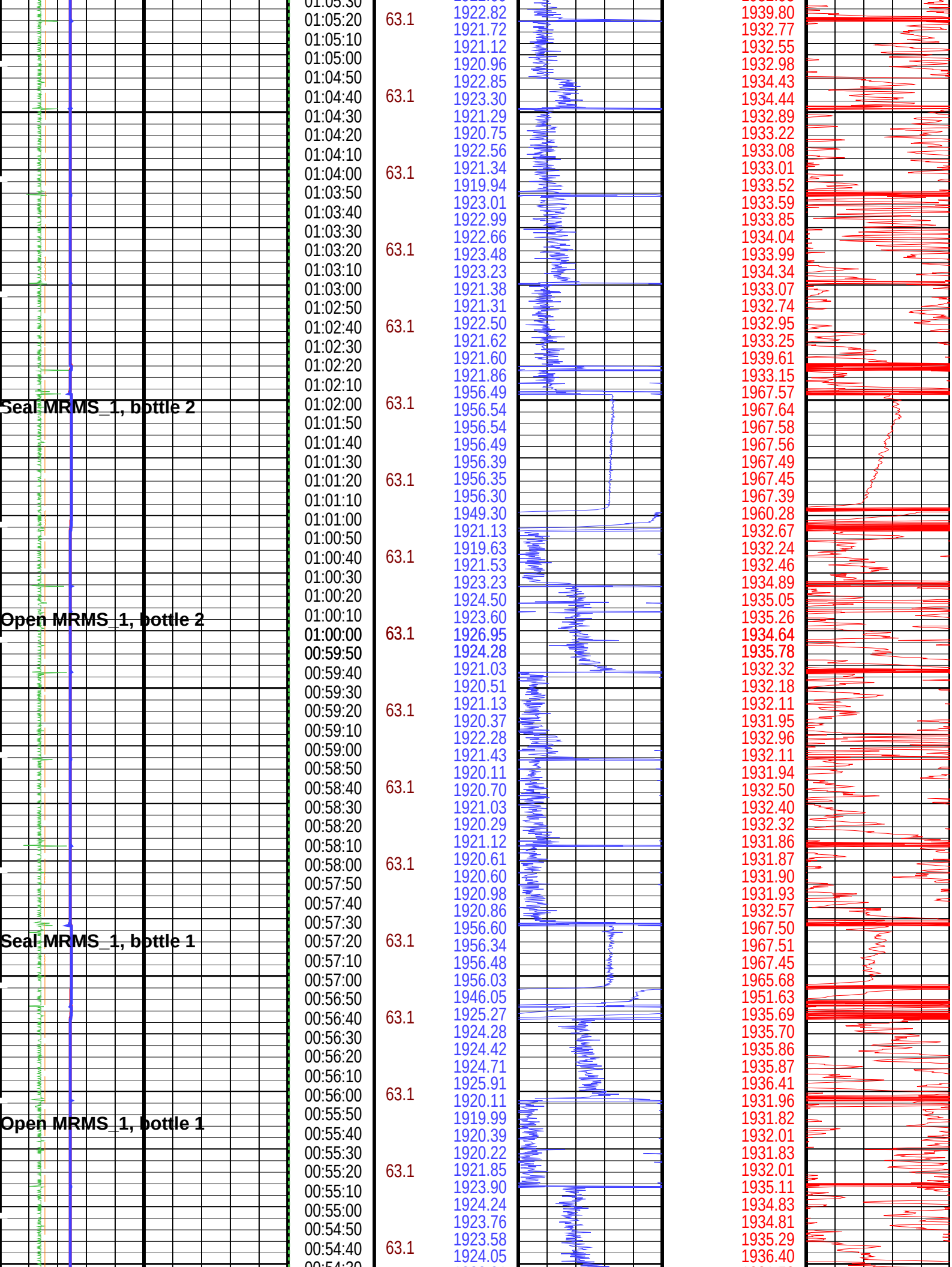
DEFAULT MDT_OFA_070LTP FN:72 PRODUCER 06−May−2008 01:24 1567.0 M 10.4 M

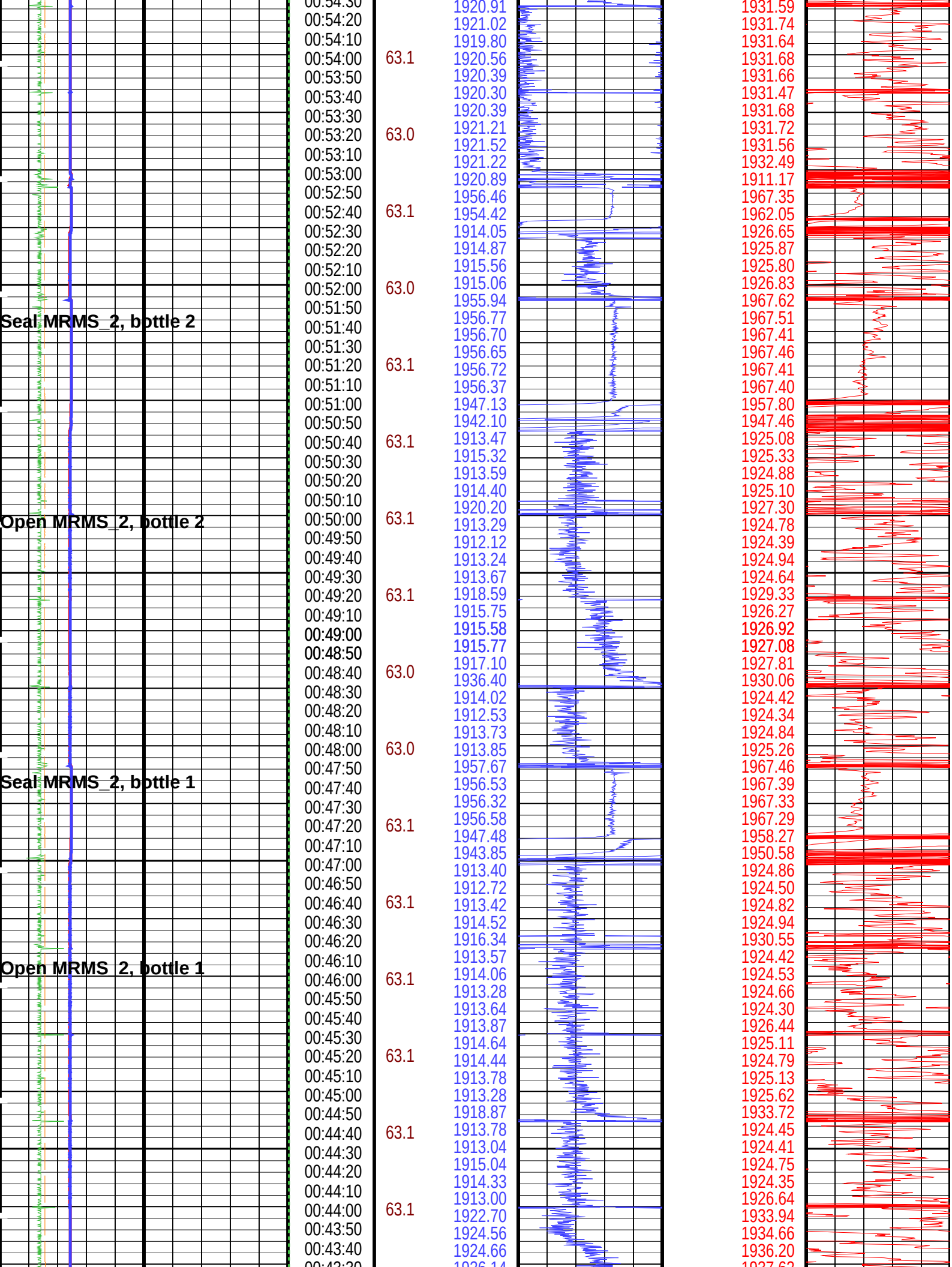
Elapsed Time (s)	Event Summary
4003.2	Retract Quick Probe Module (MRPQ) 1
3944.4	Pumping Stopped 51895.0 C3 Dual Up−down Pumpout Module (MRPOUD)
3721.8	Seal MDT Multi−Sample (MRMS) 1, bottle 2
3611.4	Open MDT Multi−Sample (MRMS) 1, bottle 2, sample number = 4
3443.7	Seal MDT Multi−Sample (MRMS) 1, bottle 1
3348.9	Open MDT Multi−Sample (MRMS) 1, bottle 1, sample number = 3
3106.5	Seal MDT Multi−Sample (MRMS) 2, bottle 2
3002.1	Open MDT Multi−Sample (MRMS) 2, bottle 2, sample number = 2
2866.5	Seal MDT Multi−Sample (MRMS) 2, bottle 1
2769.6	Open MDT Multi−Sample (MRMS) 2, bottle 1, sample number = 1
347.1	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
227.1	Vert Pretest 10.3 cc @ 60 C3/M Quick Probe Module (MRPQ) 1
92.1	Probe Set @ 1567.0 M Quick Probe Module (MRPQ) 1

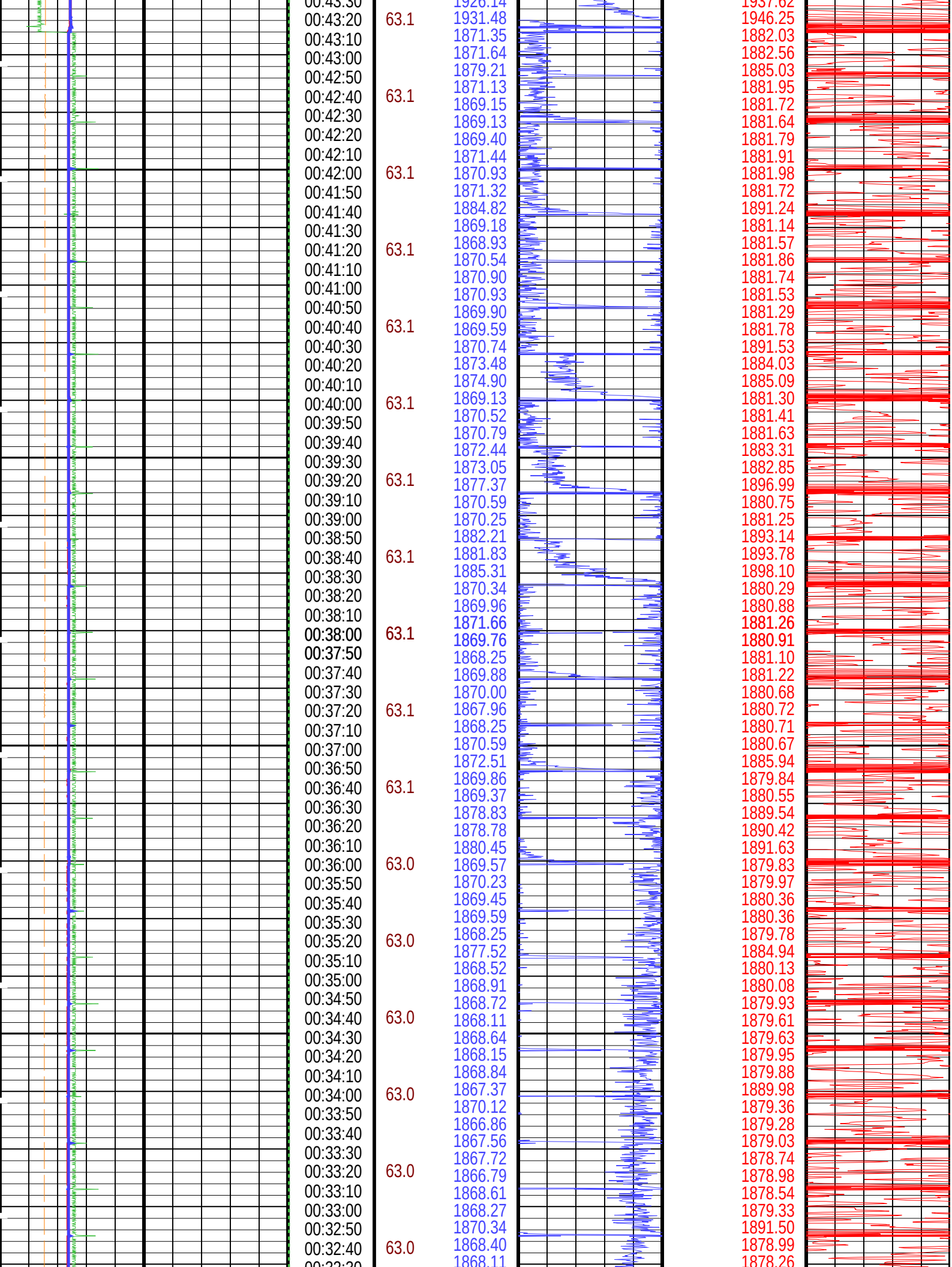
PIP SUMMARY

Time Mark Every 60 S




Seal MRMS_1, bottle 2
Open MRMS_1, bottle 2
Seal MRMS_1, bottle 1
Open MRMS_1, bottle 1


Seal MRMS_2, bottle 2
Open MRMS_2, bottle 2
Seal MRMS_2, bottle 1
Open MRMS_2, bottle 1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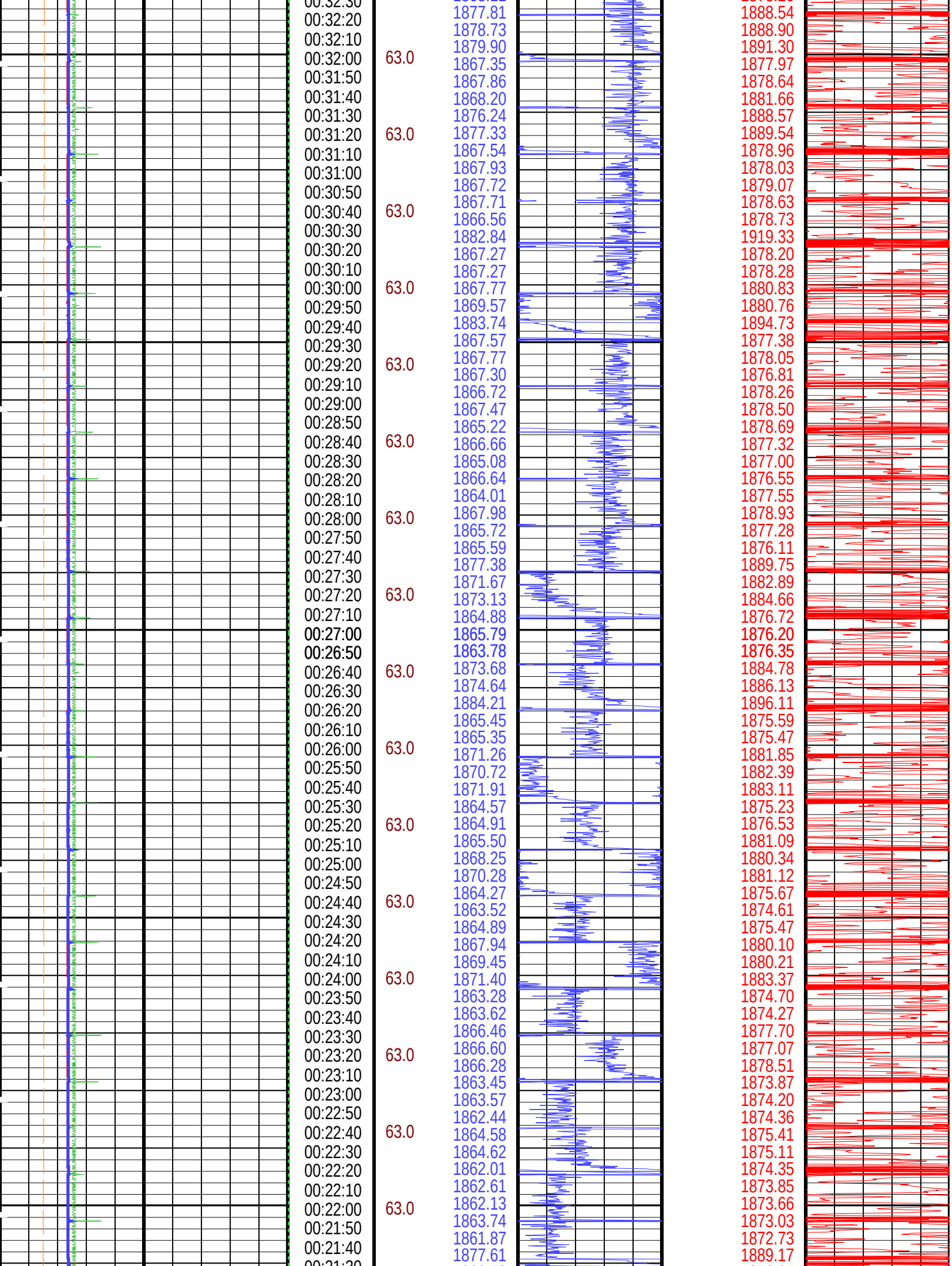
00:42:50 1879.21 1885.03
00:42:40 63.1 1871.13 1881.95
00:42:30 1869.15 1881.72
00:42:20 1869.13 1881.64
00:42:10 1869.40 1881.79
00:42:00 63.1 1871.44 1881.91
00:41:50 1870.93 1881.98
00:41:40 1871.32 1881.72
00:41:30 1884.82 1891.24
00:41:20 63.1 1869.18 1881.14
00:41:10 1868.93 1881.57
00:41:00 1870.54 1881.86
00:40:50 1870.90 1881.74
00:40:40 63.1 1870.93 1881.53
00:40:30 1869.90 1881.29
00:40:20 1869.59 1881.78
00:40:10 1870.74 1891.53
00:40:00 63.1 1873.48 1884.03
00:39:50 1874.90 1885.09
00:39:40 1869.13 1881.30
00:39:30 1870.52 1881.41
00:39:20 63.1 1870.79 1881.63
00:39:10 1872.44 1883.31
00:39:00 1873.05 1882.85
00:38:50 1877.37 1896.99
00:38:40 63.1 1870.59 1880.75
00:38:30 1870.25 1881.25
00:38:20 1882.21 1893.14
00:38:10 1881.83 1893.78
00:38:00 63.1 1885.31 1898.10
00:37:50 1870.34 1880.29
00:37:40 1869.96 1880.88
00:37:30 1871.66 1881.26
00:37:20 63.1 1869.76 1880.91
00:37:10 1868.25 1881.10
00:37:00 1869.88 1881.22
00:36:50 1870.00 1880.68
00:36:40 63.1 1867.96 1880.72
00:36:30 1868.25 1880.71
00:36:20 1870.59 1880.67
00:36:10 1872.51 1885.94
00:36:00 63.0 1869.86 1879.84
00:35:50 1869.37 1880.55
00:35:40 1878.83 1889.54
00:35:30 1878.78 1890.42
00:35:20 63.0 1880.45 1891.63
00:35:10 1869.57 1879.83
00:35:00 1870.23 1879.97
00:34:50 1869.45 1880.36
00:34:40 63.0 1869.59 1880.36
00:34:30 1868.25 1879.78
00:34:20 1877.52 1884.94
00:34:10 1868.52 1880.13
00:34:00 63.0 1868.91 1880.08
00:33:50 1868.72 1879.93
00:33:40 1868.11 1879.61
00:33:30 1868.64 1879.63
00:33:20 63.0 1868.15 1879.95
00:33:10 1868.84 1879.88
00:33:00 1867.37 1889.98
00:32:50 1870.12 1879.36
00:32:40 63.0 1866.86 1879.28
1867.56 1879.03
1867.72 1878.74
1866.79 1878.98
1868.61 1878.54
1868.27 1879.33
1870.34 1891.50
1868.40 1878.99
1868.11 1878.26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00:31:40 1868.20 1881.66
00:31:30 1876.24 1888.57
00:31:20 63.0 1877.33 1889.54
00:31:10 1867.54 1878.96
00:31:00 1867.93 1878.03
00:30:50 1867.72 1879.07
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00:28:30 1865.22 1878.69
00:28:20 1866.66 1877.32
00:28:10 1865.08 1877.00
00:28:00 63.0 1866.64 1876.55
00:27:50 1864.01 1877.55
00:27:40 1867.98 1878.93
00:27:30 1865.72 1877.28
00:27:20 63.0 1865.59 1876.11
00:27:10 1877.38 1889.75
00:27:00 1871.67 1882.89
00:26:50 1873.13 1884.66
00:26:40 63.0 1864.88 1876.72
00:26:30 1865.79 1876.20
00:26:20 1863.78 1876.35
00:26:10 1873.68 1884.78
00:26:00 63.0 1874.64 1886.13
00:25:50 1884.21 1896.11
00:25:40 1865.45 1875.59
00:25:30 1865.35 1875.47
00:25:20 63.0 1871.26 1881.85
00:25:10 1870.72 1882.39
00:25:00 1871.91 1883.11
00:24:50 1864.57 1875.23
00:24:40 63.0 1864.91 1876.53
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00:24:20 1868.25 1880.34
00:24:10 1870.28 1881.12
00:24:00 63.0 1864.27 1875.67
00:23:50 1863.52 1874.61
00:23:40 1864.89 1875.47
00:23:30 1867.94 1880.10
00:23:20 63.0 1869.45 1880.21
00:23:10 1871.40 1883.37
00:23:00 1863.28 1874.70
00:22:50 1863.62 1874.27
00:22:40 63.0 1866.46 1877.70
00:22:30 1866.60 1877.07
00:22:20 1866.28 1878.51
00:22:10 1863.45 1873.87
00:22:00 63.0 1863.57 1874.20
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00:21:40 1864.58 1875.41
1864.62 1875.11
1862.01 1874.35
1862.61 1873.85
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1863.74 1873.03
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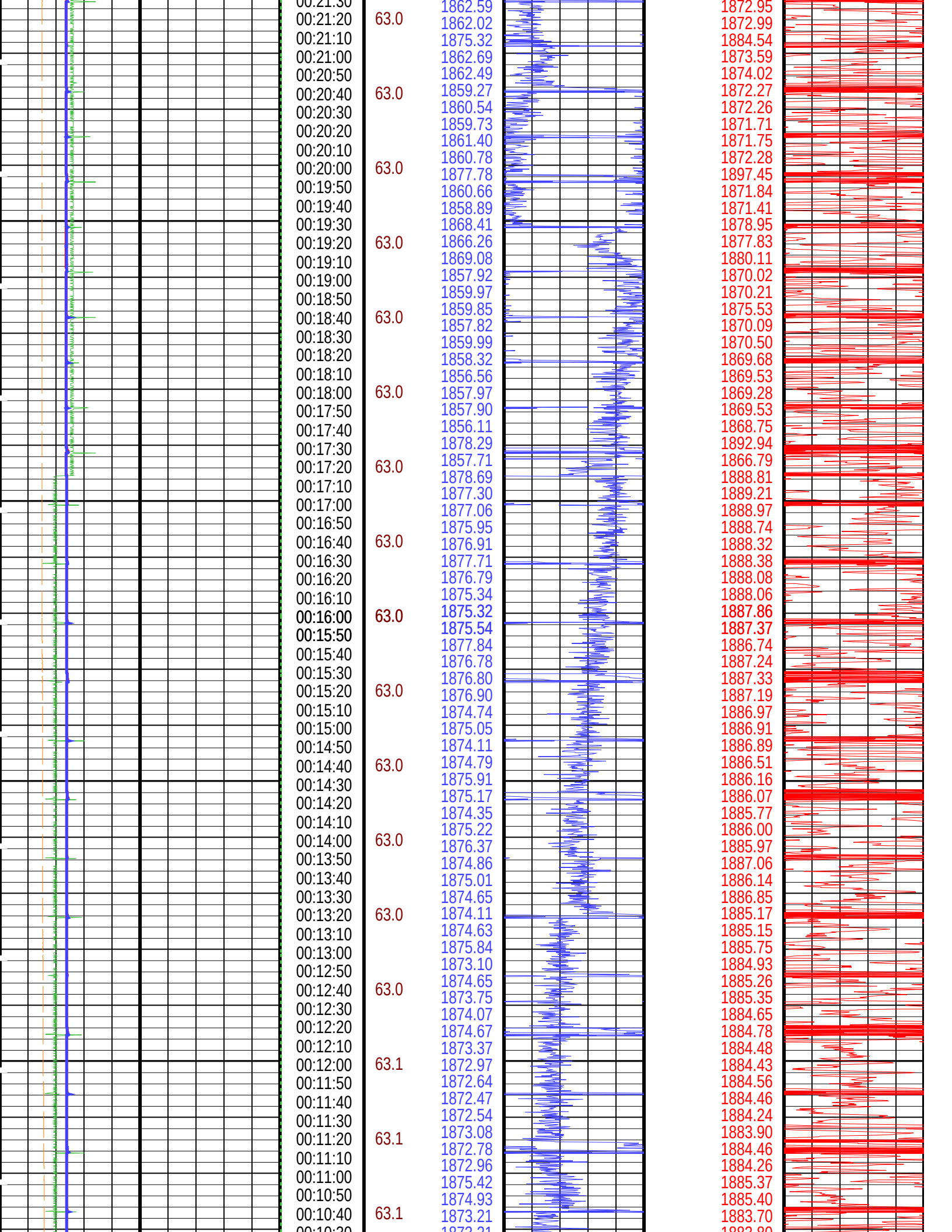
1877.61 1889.17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00:18:10 1859.99 1870.50
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00:17:40 1857.97 1869.28
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00:17:20 63.0 1856.11 1868.75
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00:16:20 1875.95 1888.74
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00:16:00 63.0 1877.71 1888.38
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00:15:40 1875.34 1888.06
00:15:30 1875.32 1887.86
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00:15:10 1877.84 1886.74
00:15:00 1876.78 1887.24
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00:13:50 1875.91 1886.16
00:13:40 1875.17 1886.07
00:13:30 1874.35 1885.77
00:13:20 63.0 1875.22 1886.00
00:13:10 1876.37 1885.97
00:13:00 1874.86 1887.06
00:12:50 1875.01 1886.14
00:12:40 63.0 1874.65 1886.85
00:12:30 1874.11 1885.17
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00:12:10 1875.84 1885.75
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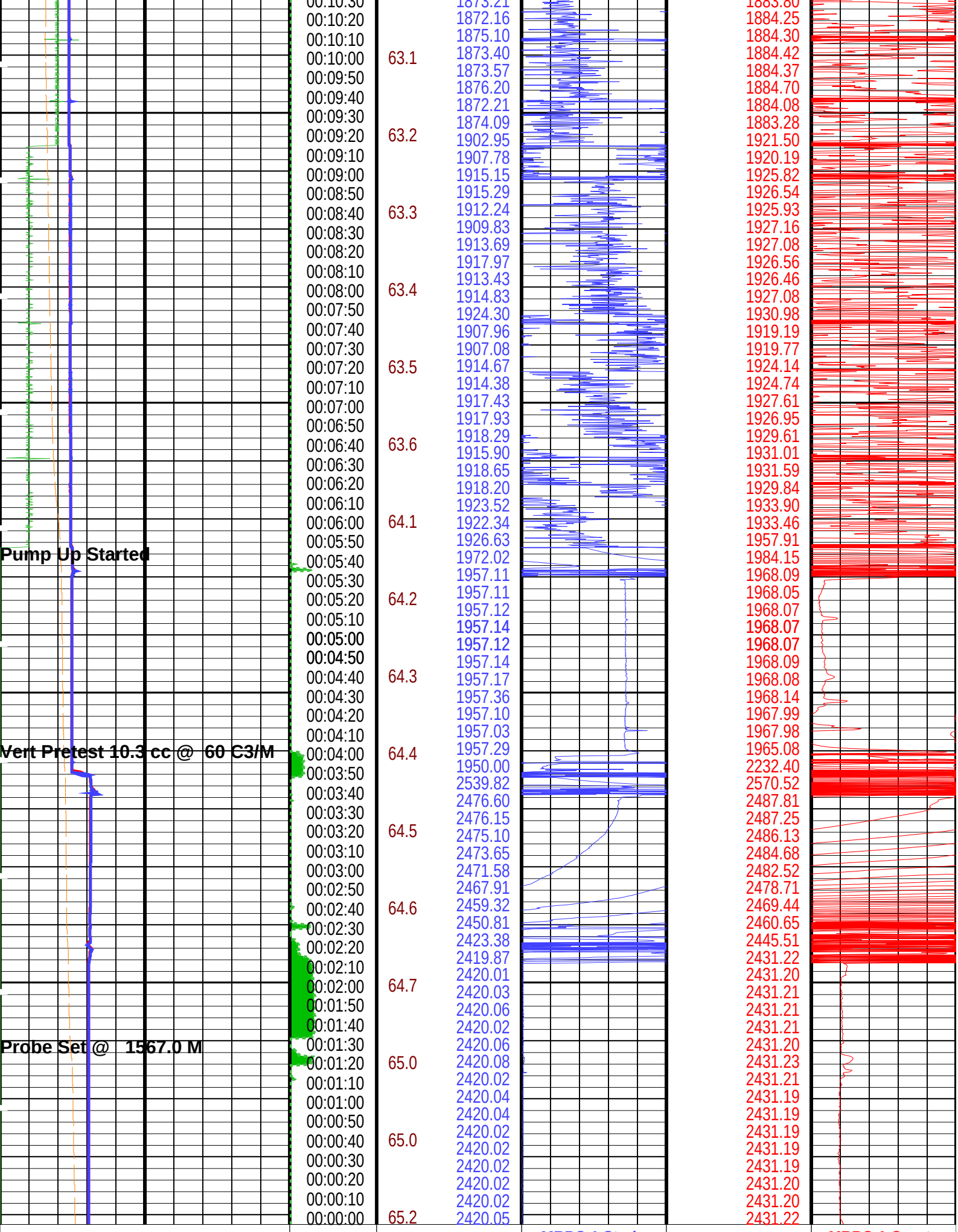
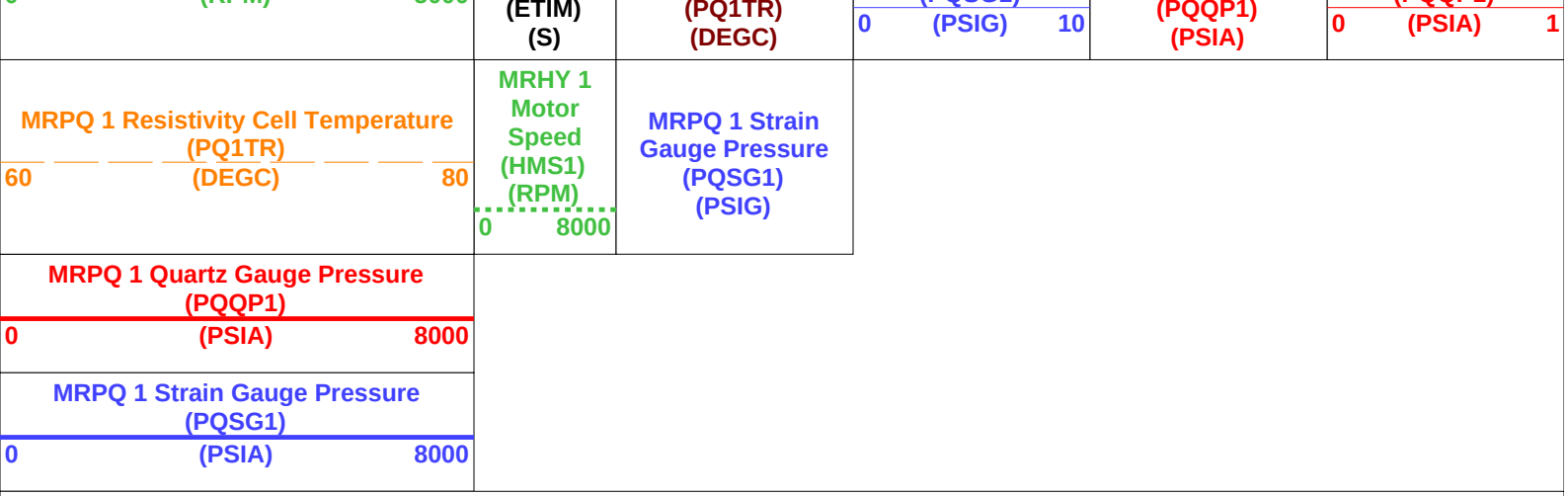
00:11:50 1874.65 1885.26
00:11:40 1873.75 1885.35
00:11:30 1874.07 1884.65
00:11:20 63.1 1874.67 1884.78
00:11:10 1873.37 1884.48
00:11:00 1872.97 1884.43
00:10:50 1872.64 1884.56
00:10:40 63.1 1872.47 1884.46
1872.54 1884.24
1873.08 1883.90
1872.78 1884.46
1872.96 1884.26
1875.42 1885.37
1874.93 1885.40
1873.21 1883.70



MRPOUD Motor Speed (POUDMS) (RPM) 0 5000	Elapsed Time	Resistivity Cell Temperature	MRPQ 1 Strain Gauge Pressure (POSG1)	MRPQ 1 Quartz Gauge Pressure (POQP1)	MRPQ 1 Quartz Gauge Pressure (POQP1)
	00:10:30		1873.21	1883.60	
	00:10:20		1872.16	1884.25	
	00:10:10		1875.10	1884.30	
	00:10:00	63.1	1873.40	1884.42	
	00:09:50		1873.57	1884.37	
	00:09:40		1876.20	1884.70	
	00:09:30		1872.21	1884.08	
	00:09:20	63.2	1874.09	1883.28	
	00:09:10		1902.95	1921.50	
	00:09:00		1907.78	1920.19	
	00:08:50		1915.15	1925.82	
	00:08:40	63.3	1915.29	1926.54	
	00:08:30		1912.24	1925.93	
	00:08:20		1909.83	1927.16	
	00:08:10		1913.69	1927.08	
	00:08:00	63.4	1917.97	1926.56	
	00:07:50		1913.43	1926.46	
	00:07:40		1914.83	1927.08	
	00:07:30		1924.30	1930.98	
	00:07:20	63.5	1907.96	1919.19	
	00:07:10		1907.08	1919.77	
	00:07:00		1914.67	1924.14	
	00:06:50		1914.38	1924.74	
	00:06:40	63.6	1917.43	1927.61	
	00:06:30		1917.93	1926.95	
	00:06:20		1918.29	1929.61	
	00:06:10		1915.90	1931.01	
	00:06:00	64.1	1918.65	1931.59	
	00:05:50		1918.20	1929.84	
	00:05:40		1923.52	1933.90	
	00:05:30		1922.34	1933.46	
	00:05:20	64.2	1926.63	1957.91	
	00:05:10		1972.02	1984.15	
	00:05:00		1957.11	1968.09	
	00:04:50		1957.11	1968.05	
	00:04:40	64.3	1957.12	1968.07	
	00:04:30		1957.14	1968.07	
	00:04:20		1957.12	1968.07	
	00:04:10		1957.14	1968.09	
	00:04:00	64.4	1957.17	1968.08	
	00:03:50		1957.36	1968.14	
	00:03:40		1957.10	1967.99	
	00:03:30		1957.03	1967.98	
	00:03:20	64.5	1957.29	1965.08	
	00:03:10		1950.00	2232.40	
	00:03:00		2539.82	2570.52	
	00:02:50		2476.60	2487.81	
	00:02:40	64.6	2476.15	2487.25	
	00:02:30		2475.10	2486.13	
	00:02:20		2473.65	2484.68	
	00:02:10		2471.58	2482.52	
	00:02:00	64.7	2467.91	2478.71	
	00:01:50		2459.32	2469.44	
	00:01:40		2450.81	2460.65	
	00:01:30		2423.38	2445.51	
	00:01:20	65.0	2419.87	2431.22	
	00:01:10		2420.01	2431.20	
	00:01:00		2420.03	2431.21	
	00:00:50		2420.06	2431.21	
	00:00:40	65.0	2420.02	2431.21	
	00:00:30		2420.06	2431.20	
	00:00:20		2420.08	2431.23	
	00:00:10		2420.02	2431.21	
	00:00:00	65.2	2420.04	2431.19	
			2420.04	2431.19	
			2420.02	2431.19	
			2420.02	2431.19	
			2420.02	2431.19	
			2420.02	2431.20	
			2420.02	2431.20	
			2420.05	2431.22	



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPQ_1: Quick Probe Module (MRPQ) 1		
QGCA	Quartz Gauge Pressure Correction Applied	BOTH	
QGDA	Quartz Gauge Deviation Angle	13	DEG
QGFD	Quartz Gauge Flow Line Density	1	G/C3
	AFA: Advanced Fluid Analyzer		
PDCO	Probe Depth Correction Offset	0	M
	MRPC: Power Cartridge		
PDCO	Probe Depth Correction Offset	0	M

Format: MRPQ_Pretest Vertical Scale: 1" per 60S Graphics File Created: 06−May−2008 01:24

OP System Version: 15C0−309

MCM

MRPQ_1	15C0−309	MRHY_1	15C0−309
MRPO_UD	15C0−309	AFA	15C0−309
MRMS_1	15C0−309	MRMS_2	15C0−309
MRPC	15C0−309	SGT−L	15C0−309
TCC−BF	15C0−309		

Output DLIS Files

DEFAULT	MDT_OFA_070LTP	FN:72	PRODUCER	06−May−2008 01:24		

Company: 3D Oil Well: West Seahorse 3

Output DLIS Files

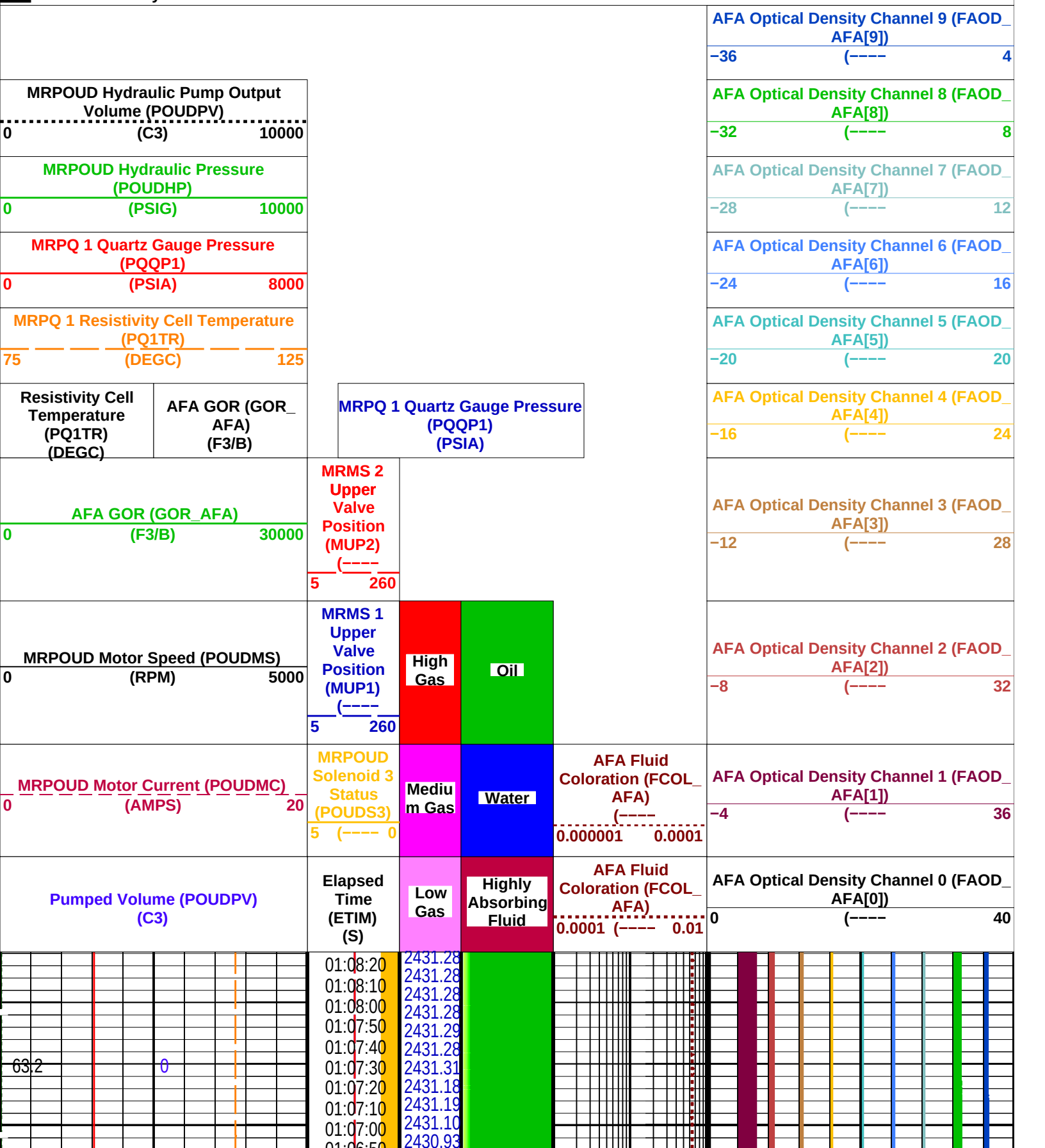
DEFAULT	MDT_OFA_070LTP	FN:72	PRODUCER	06−May−2008 01:24	1567.0 M	10.4 M

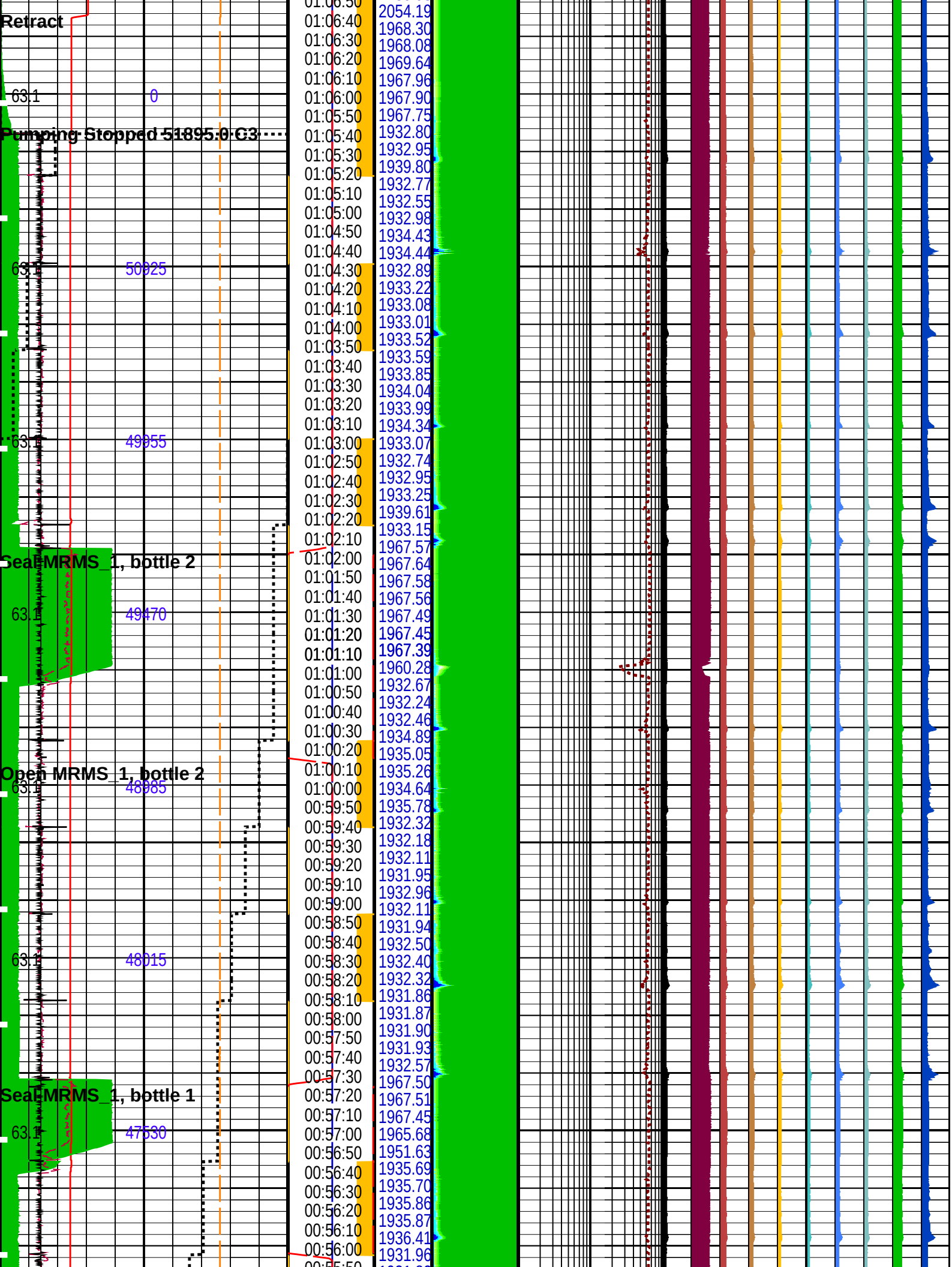
Elapsed Time (s)	Event Summary
4003.2	Retract Quick Probe Module (MRPQ) 1
3944.4	Pumping Stopped 51895.0 C3 Dual Up−down Pumpout Module (MRPOUD)
3721.8	Seal MDT Multi−Sample (MRMS) 1, bottle 2
3611.4	Open MDT Multi−Sample (MRMS) 1, bottle 2, sample number = 4
3443.7	Seal MDT Multi−Sample (MRMS) 1, bottle 1
3348.9	Open MDT Multi−Sample (MRMS) 1, bottle 1, sample number = 3
3106.5	Seal MDT Multi−Sample (MRMS) 2, bottle 2
3002.1	Open MDT Multi−Sample (MRMS) 2, bottle 2, sample number = 2
2866.5	Seal MDT Multi−Sample (MRMS) 2, bottle 1

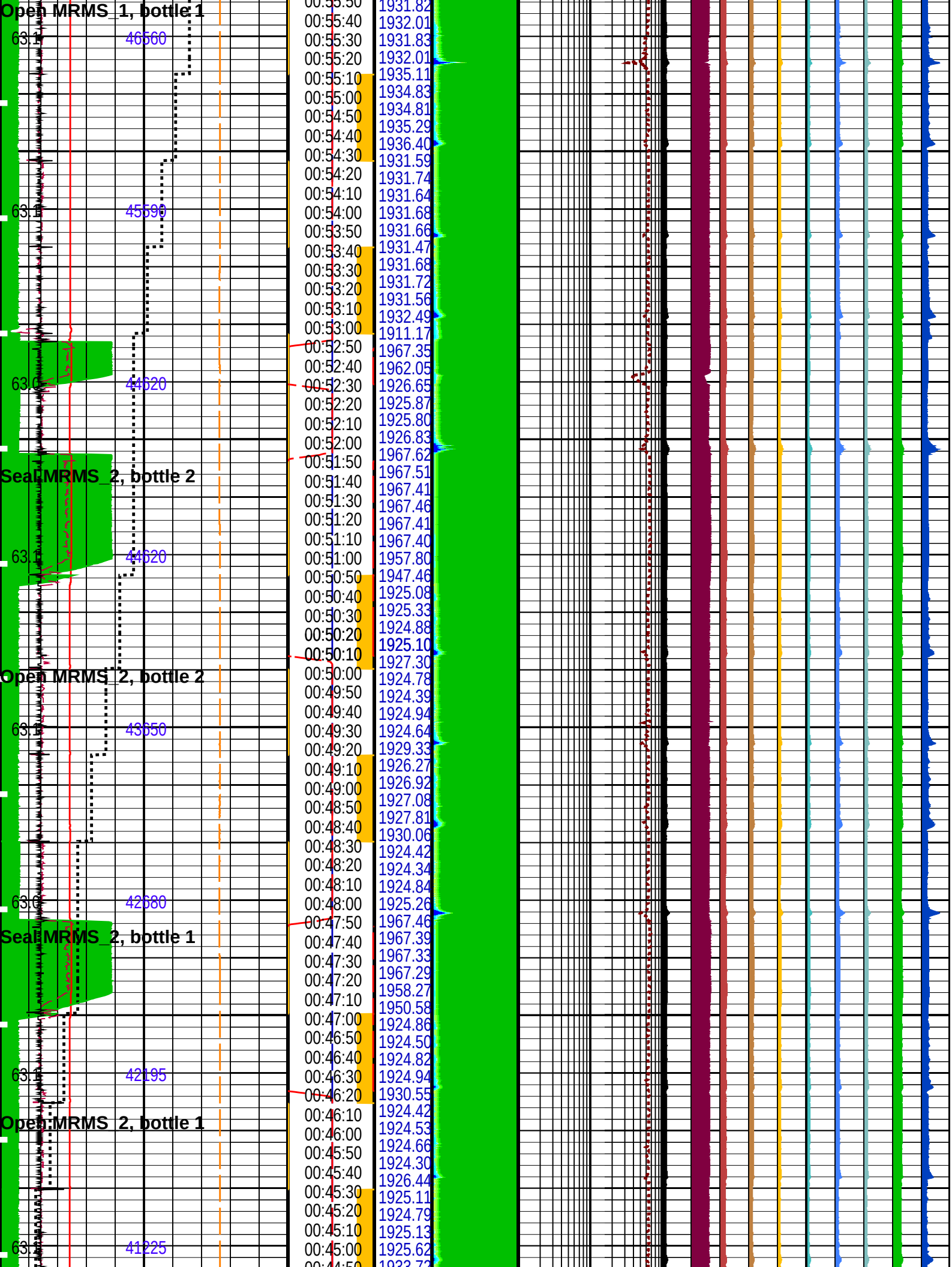
2769.6	Open MDT Multi−Sample (MRMS) 2, bottle 1, sample number = 1
347.1	Pump Up Started Dual Up−down Pumpout Module (MRPOUD)
227.1	Vert Pretest 10.3 cc @ 60 C3/M Quick Probe Module (MRPQ) 1
92.1	Probe Set @ 1567.0 M Quick Probe Module (MRPQ) 1

PIP SUMMARY

Time Mark Every 60 S




Retract
63.1
0
Pumping Stopped 51895.0 G3
50025
49955
Seal MRMS_1, bottle 2
49470
Open MRMS_1, bottle 2
48985
48015
Seal MRMS_1, bottle 1
47530
01:06:50 2054.19
01:06:40 1968.30
01:06:30 1968.08
01:06:20 1969.64
01:06:10 1967.96
01:06:00 1967.90
01:05:50 1967.75
01:05:40 1932.80
01:05:30 1932.95
01:05:20 1939.80
01:05:10 1932.77
01:05:00 1932.55
01:04:50 1932.98
01:04:40 1934.43
01:04:30 1934.44
01:04:20 1932.89
01:04:10 1933.22
01:04:00 1933.08
01:03:50 1933.01
01:03:40 1933.52
01:03:30 1933.59
01:03:20 1933.85
01:03:10 1934.04
01:03:00 1933.99
01:02:50 1934.34
01:02:40 1933.07
01:02:30 1932.74
01:02:20 1932.95
01:02:10 1933.25
01:02:00 1939.61
01:01:50 1933.15
01:01:40 1967.57
01:01:30 1967.64
01:01:20 1967.58
01:01:10 1967.56
01:01:00 1967.49
00:59:50 1967.45
00:59:40 1967.39
00:59:30 1960.28
00:59:20 1932.67
00:59:10 1932.24
00:59:00 1932.46
00:58:50 1934.89
00:58:40 1935.05
00:58:30 1935.26
00:58:20 1934.64
00:58:10 1935.78
00:57:50 1932.32
00:57:40 1932.18
00:57:30 1932.11
00:57:20 1931.95
00:57:10 1932.96
00:57:00 1932.11
00:56:50 1931.94
00:56:40 1932.50
00:56:30 1932.40
00:56:20 1932.32
00:56:10 1931.86
00:56:00 1931.87
1931.90
1931.93
1932.57
1967.50
1967.51
1967.45
1965.68
1951.63
1935.69
1935.70
1935.86
1935.87
1936.41
1931.96


Open MRMS_1, bottle 1
46560
45590
44620
Seal MRMS_2, bottle 2
44620
Open MRMS_2, bottle 2
43650
42680
Seal MRMS_2, bottle 1
42195
Open MRMS_2, bottle 1
41225
00:55:50 1931.82
00:55:40 1932.01
00:55:30 1931.83
00:55:20 1932.01
00:55:10 1935.11
00:55:00 1934.83
00:54:50 1934.81
00:54:40 1935.29
00:54:30 1936.40
00:54:20 1931.59
00:54:10 1931.74
00:54:00 1931.64
00:53:50 1931.68
00:53:40 1931.66
00:53:30 1931.47
00:53:20 1931.68
00:53:10 1931.72
00:53:00 1932.49
00:52:50 1911.17
00:52:40 1967.35
00:52:30 1962.05
00:52:20 1926.65
00:52:10 1925.87
00:52:00 1925.80
00:51:50 1926.83
00:51:40 1967.62
00:51:30 1967.51
00:51:20 1967.41
00:51:10 1967.46
00:51:00 1967.41
00:50:50 1967.40
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00:50:30 1947.46
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00:50:10 1925.33
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00:49:50 1925.10
00:49:40 1927.30
00:49:30 1924.78
00:49:20 1924.39
00:49:10 1924.94
00:49:00 1924.64
00:48:50 1929.33
00:48:40 1926.27
00:48:30 1926.92
00:48:20 1927.08
00:48:10 1927.81
00:48:00 1930.06
00:47:50 1924.42
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00:47:30 1924.84
00:47:20 1925.26
00:47:10 1967.46
00:47:00 1967.39
00:46:50 1967.33
00:46:40 1967.29
00:46:30 1958.27
00:46:20 1950.58
00:46:10 1924.86
00:46:00 1924.50
00:45:50 1924.82
00:45:40 1924.94
00:45:30 1930.55
00:45:20 1924.42
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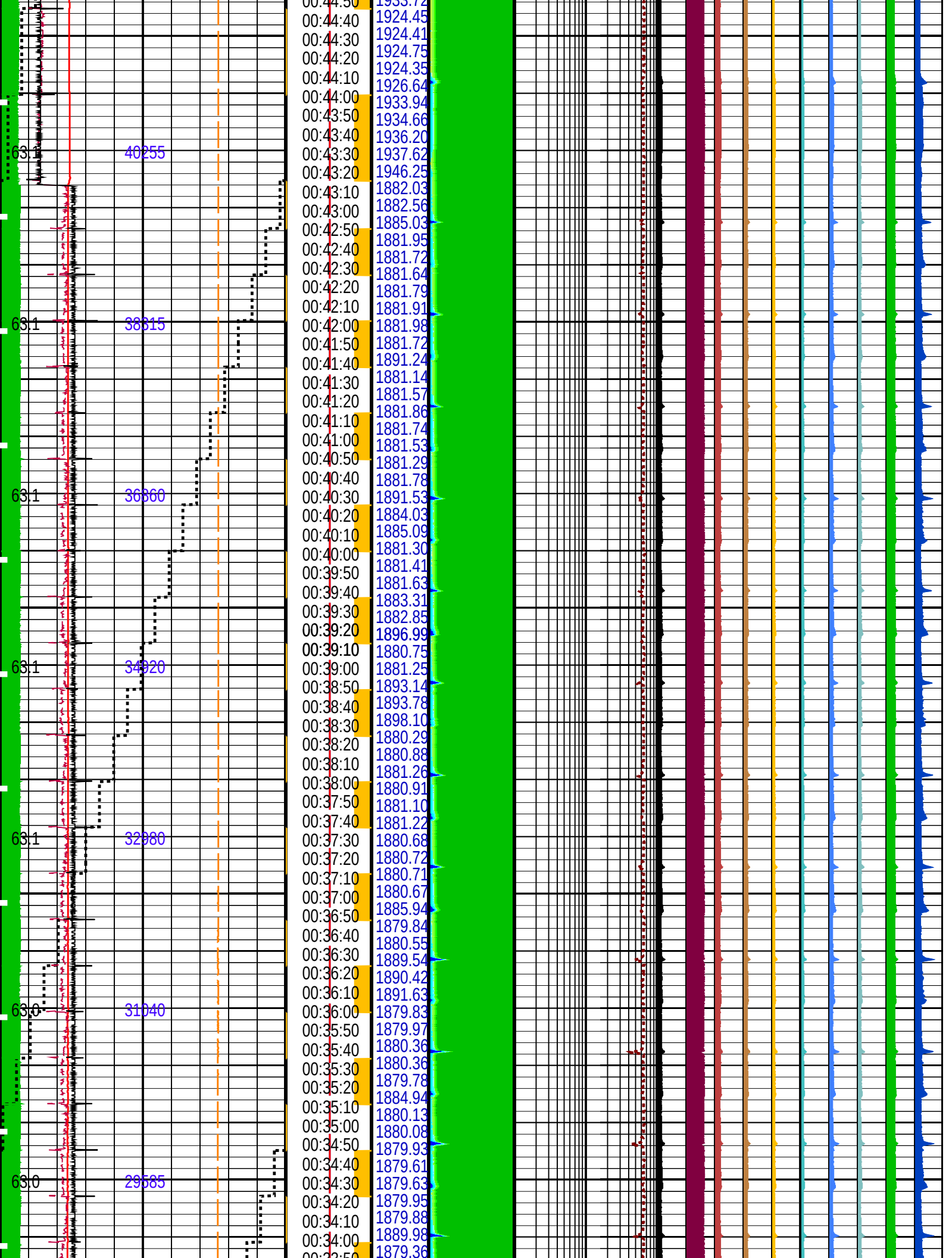
00:45:00 1924.66
1924.30
1926.44
1925.11
1924.79
1925.13
1925.62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40255
63.1
38815
63.1
36860
63.1
34920
63.1
32980
63.0
31040
63.0
29585
00:44:50 1933.72
00:44:40 1924.45
00:44:30 1924.41
00:44:20 1924.75
00:44:10 1924.35
00:44:00 1926.64
00:43:50 1933.94
00:43:40 1934.66
00:43:30 1936.20
00:43:20 1937.62
00:43:10 1946.25
00:43:00 1882.03
00:42:50 1882.56
00:42:40 1885.03
00:42:30 1881.95
00:42:20 1881.72
00:42:10 1881.64
00:42:00 1881.79
00:41:50 1881.91
00:41:40 1881.98
00:41:30 1881.72
00:41:20 1891.24
00:41:10 1881.14
00:41:00 1881.57
00:40:50 1881.86
00:40:40 1881.74
00:40:30 1881.53
00:40:20 1881.29
00:40:10 1881.78
00:40:00 1891.53
00:39:50 1884.03
00:39:40 1885.09
00:39:30 1881.30
00:39:20 1881.41
00:39:10 1881.63
00:39:00 1883.31
00:38:50 1882.85
00:38:40 1896.99
00:38:30 1880.75
00:38:20 1881.25
00:38:10 1893.14
00:38:00 1893.78
00:37:50 1898.10
00:37:40 1880.29
00:37:30 1880.88
00:37:20 1881.26
00:37:10 1880.91
00:37:00 1881.10
00:36:50 1881.22
00:36:40 1880.68
00:36:30 1880.72
00:36:20 1880.71
00:36:10 1880.67
00:36:00 1885.94
00:35:50 1879.84
00:35:40 1880.55
00:35:30 1889.54
00:35:20 1890.42
00:35:10 1891.63
00:35:00 1879.83
00:34:50 1879.97
00:34:40 1880.36
00:34:30 1880.36
00:34:20 1879.78
00:34:10 1884.94
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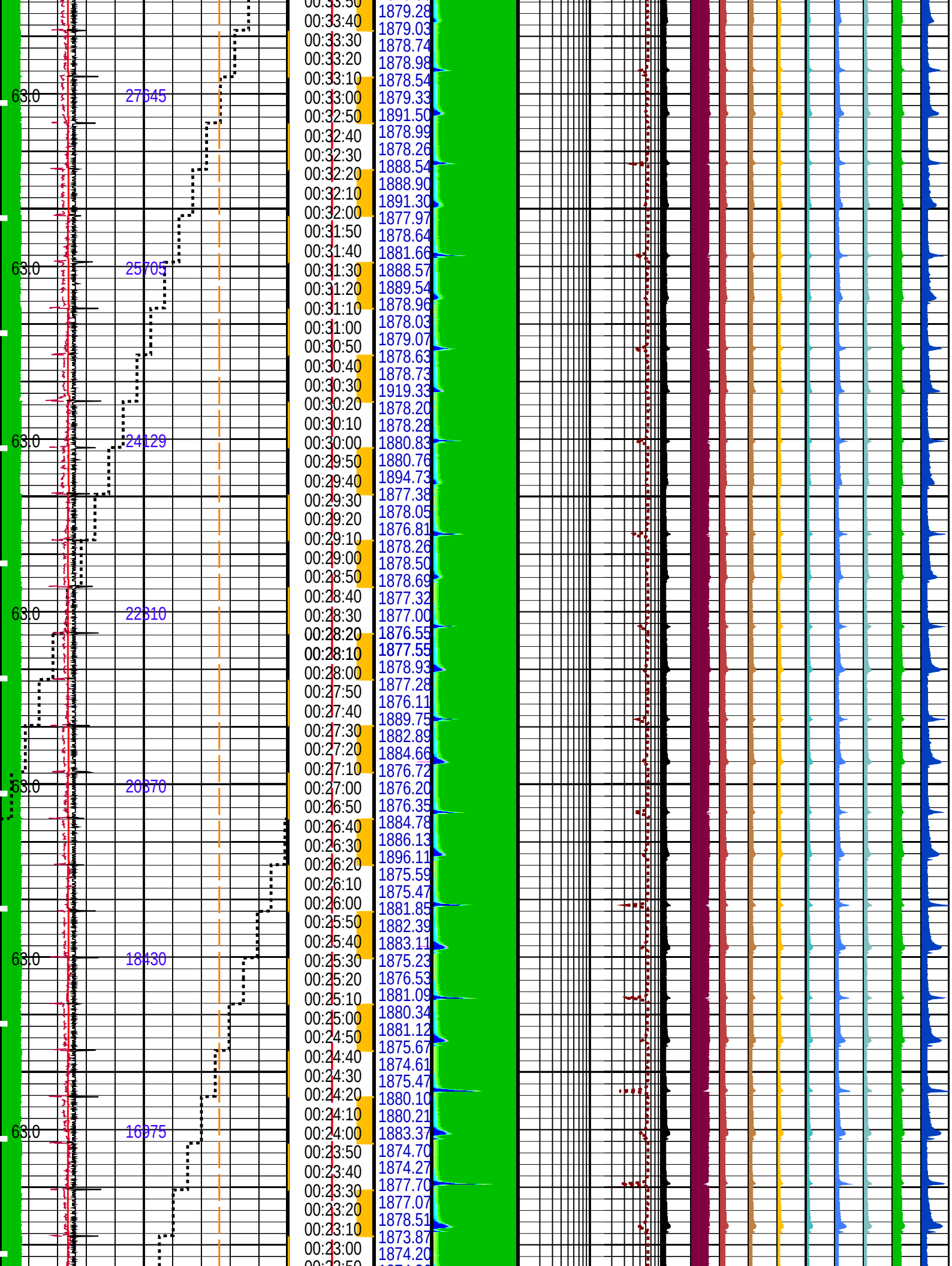
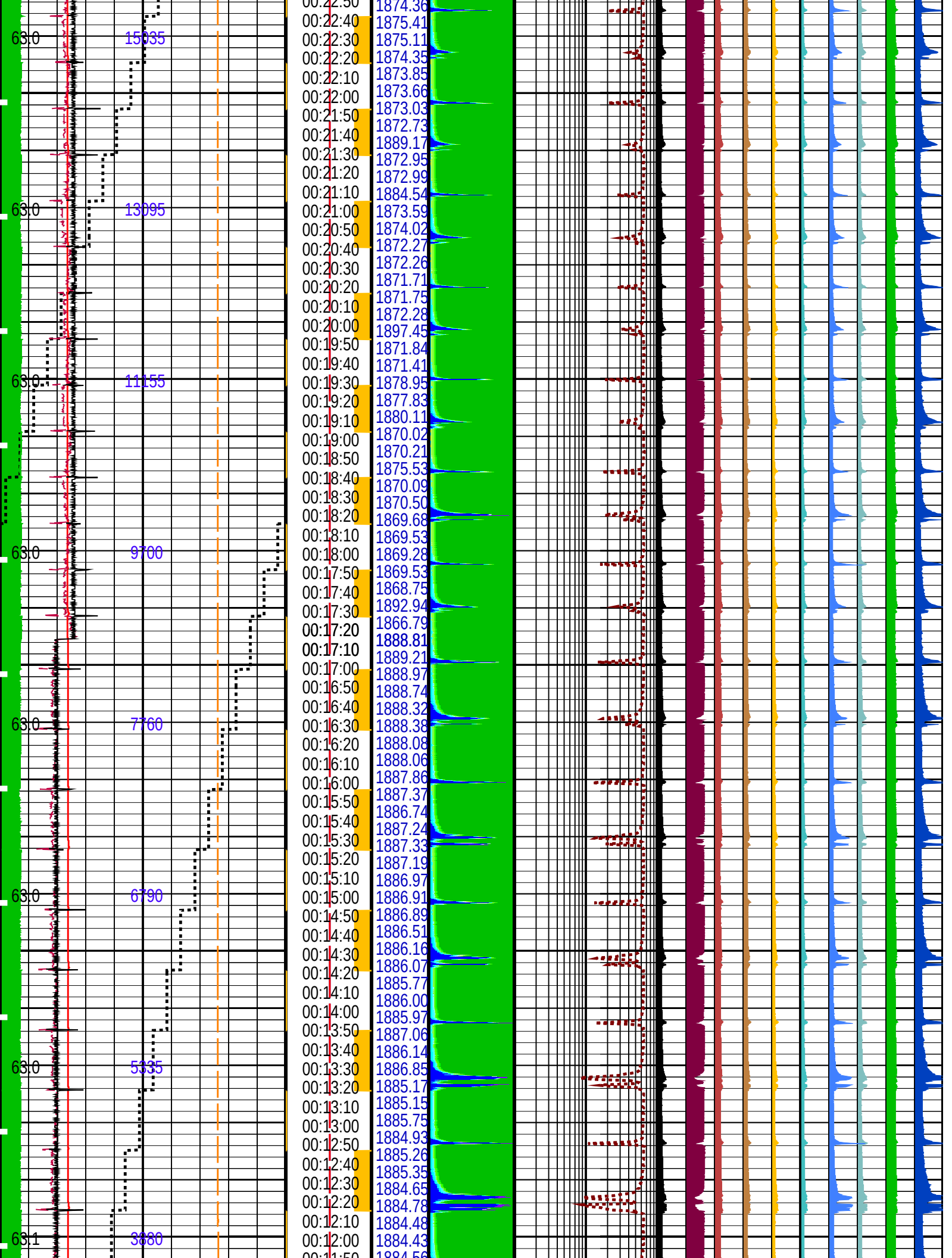
1880.08
1879.93
1879.61
1879.63
1879.95
1879.88
1889.98
1879.36


63.0
27645
63.0
25705
63.0
24129
63.0
22810
63.0
20870
63.0
18430
63.0
16975
00:33:50 1879.28
00:33:40 1879.03
00:33:30 1878.74
00:33:20 1878.98
00:33:10 1878.54
00:33:00 1879.33
00:32:50 1891.50
00:32:40 1878.99
00:32:30 1878.26
00:32:20 1888.54
00:32:10 1888.90
00:32:00 1891.30
00:31:50 1877.97
00:31:40 1878.64
00:31:30 1881.66
00:31:20 1888.57
00:31:10 1889.54
00:31:00 1878.96
00:30:50 1878.03
00:30:40 1879.07
00:30:30 1878.63
00:30:20 1878.73
00:30:10 1919.33
00:30:00 1878.20
00:29:50 1878.28
00:29:40 1880.83
00:29:30 1880.76
00:29:20 1894.73
00:29:10 1877.38
00:29:00 1878.05
00:28:50 1876.81
00:28:40 1878.26
00:28:30 1878.50
00:28:20 1878.69
00:28:10 1877.32
00:28:00 1877.00
00:27:50 1876.55
00:27:40 1877.55
00:27:30 1878.93
00:27:20 1877.28
00:27:10 1876.11
00:27:00 1889.75
00:26:50 1882.89
00:26:40 1884.66
00:26:30 1876.72
00:26:20 1876.20
00:26:10 1876.35
00:26:00 1884.78
00:25:50 1886.13
00:25:40 1896.11
00:25:30 1875.59
00:25:20 1875.47
00:25:10 1881.85
00:25:00 1882.39
00:24:50 1883.11
00:24:40 1875.23
00:24:30 1876.53
00:24:20 1881.09
00:24:10 1880.34
00:24:00 1881.12
00:23:50 1875.67
00:23:40 1874.61
00:23:30 1875.47
00:23:20 1880.10
00:23:10 1880.21
00:23:00 1883.37
1874.70
1874.27
1877.70
1877.07
1878.51
1873.87
1874.20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63.0
13095
63.0
11155
63.0
9700
63.0
7760
63.0
6790
63.0
5335
63.1
3880
00:22:50 1874.36
00:22:40 1875.41
00:22:30 1875.11
00:22:20 1874.35
00:22:10 1873.85
00:22:00 1873.66
00:21:50 1873.03
00:21:40 1872.73
00:21:30 1889.17
00:21:20 1872.95
00:21:10 1872.99
00:21:00 1884.54
00:20:50 1873.59
00:20:40 1874.02
00:20:30 1872.27
00:20:20 1872.26
00:20:10 1871.71
00:20:00 1871.75
00:19:50 1872.28
00:19:40 1897.45
00:19:30 1871.84
00:19:20 1871.41
00:19:10 1878.95
00:19:00 1877.83
00:18:50 1880.11
00:18:40 1870.02
00:18:30 1870.21
00:18:20 1875.53
00:18:10 1870.09
00:18:00 1870.50
00:17:50 1869.68
00:17:40 1869.53
00:17:30 1869.28
00:17:20 1869.53
00:17:10 1868.75
00:17:00 1892.94
00:16:50 1866.79
00:16:40 1888.81
00:16:30 1889.21
00:16:20 1888.97
00:16:10 1888.74
00:16:00 1888.32
00:15:50 1888.38
00:15:40 1888.08
00:15:30 1888.06
00:15:20 1887.86
00:15:10 1887.37
00:15:00 1886.74
00:14:50 1887.24
00:14:40 1887.33
00:14:30 1887.19
00:14:20 1886.97
00:14:10 1886.91
00:14:00 1886.89
00:13:50 1886.51
00:13:40 1886.16
00:13:30 1886.07
00:13:20 1885.77
00:13:10 1886.00
00:13:00 1885.97
00:12:50 1887.06
00:12:40 1886.14
00:12:30 1886.85
00:12:20 1885.17
00:12:10 1885.15
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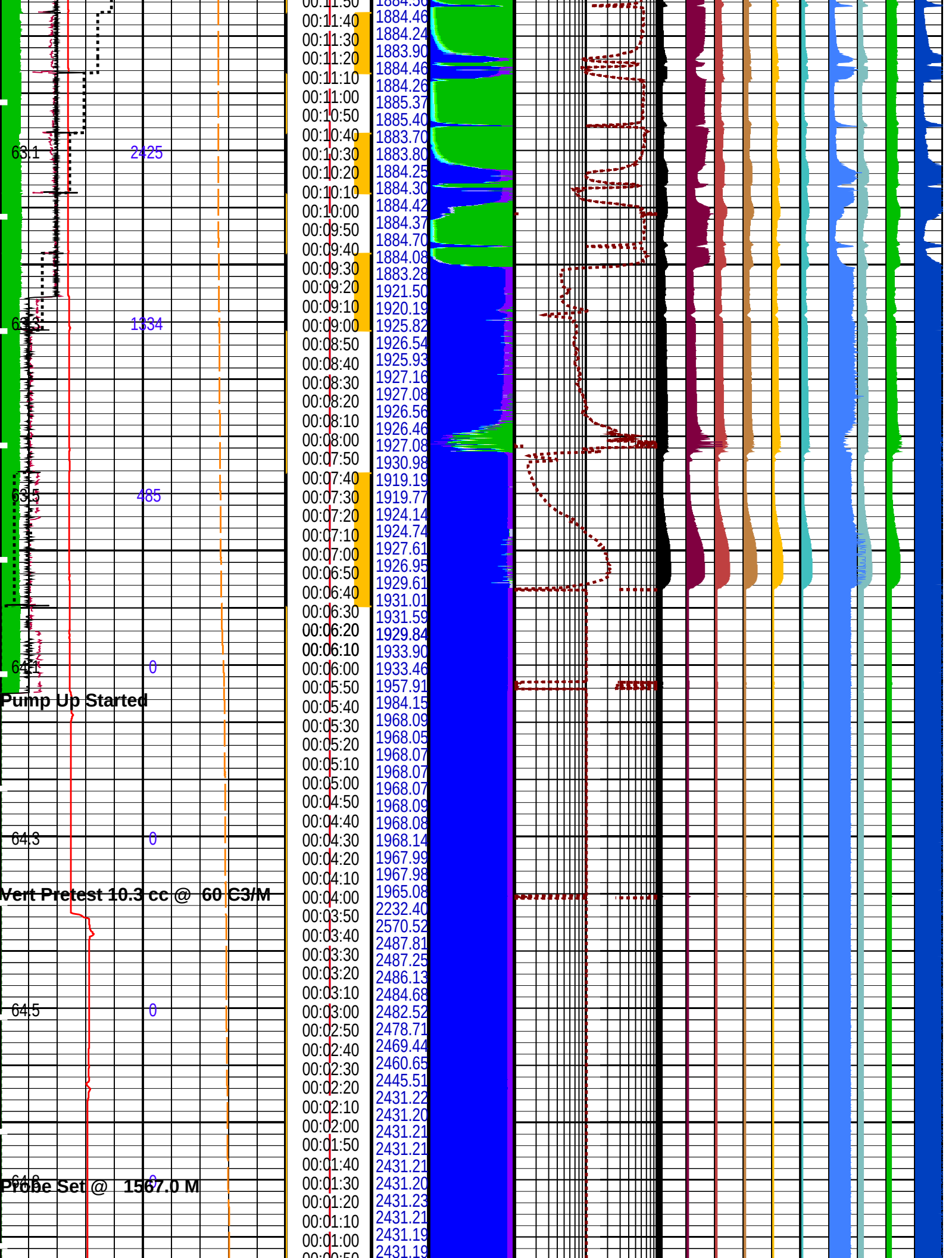
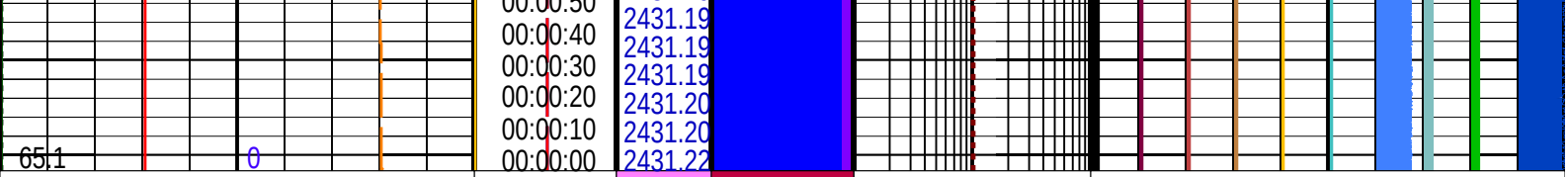
1884.93
1885.26
1885.35
1884.65
1884.78
1884.48
1884.43


63.1
2425
1334
485
0
Pump Up Started
64.3
0
Vert Pretest 10.3 cc @ 60 C3/M
64.5
0
Probe Set @ 1567.0 M
00:11:50 1884.50
00:11:40 1884.46
00:11:30 1884.24
00:11:20 1883.90
00:11:10 1884.46
00:11:00 1884.26
00:10:50 1885.37
00:10:40 1885.40
00:10:30 1883.70
00:10:20 1883.80
00:10:10 1884.25
00:10:00 1884.30
00:09:50 1884.42
00:09:40 1884.37
00:09:30 1884.70
00:09:20 1884.08
00:09:10 1883.28
00:09:00 1921.50
00:08:50 1920.19
00:08:40 1925.82
00:08:30 1926.54
00:08:20 1925.93
00:08:10 1927.16
00:08:00 1927.08
00:07:50 1926.56
00:07:40 1926.46
00:07:30 1927.08
00:07:20 1930.98
00:07:10 1919.19
00:07:00 1919.77
00:06:50 1924.14
00:06:40 1924.74
00:06:30 1927.61
00:06:20 1926.95
00:06:10 1929.61
00:06:00 1931.01
00:05:50 1931.59
00:05:40 1929.84
00:05:30 1933.90
00:05:20 1933.46
00:05:10 1957.91
00:05:00 1984.15
00:04:50 1968.09
00:04:40 1968.05
00:04:30 1968.07
00:04:20 1968.07
00:04:10 1968.07
00:04:00 1968.09
00:03:50 1968.08
00:03:40 1968.14
00:03:30 1967.99
00:03:20 1967.98
00:03:10 1965.08
00:03:00 2232.40
00:02:50 2570.52
00:02:40 2487.81
00:02:30 2487.25
00:02:20 2486.13
00:02:10 2484.68
00:02:00 2482.52
00:01:50 2478.71
00:01:40 2469.44
00:01:30 2460.65
00:01:20 2445.51
00:01:10 2431.22
00:01:00 2431.20
2431.21
2431.21
2431.21
2431.20
2431.23
2431.21
2431.19
2431.19



Pumped Volume (POUDPV) (C3)

Elapsed Time (ETIM) (S)

Low Gas

Highly Absorbing Fluid

AFA Fluid Coloration (FCOL_AFA)
0.0001 (---- 0.01

AFA Optical Density Channel 0 (FAOD_AFA[0])
0 (---- 40

MRPOUD Motor Current (POUDMC)
0 (AMPS) 20

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

Medium Gas

Water

AFA Fluid Coloration (FCOL_AFA)
(----
0.000001 0.0001

AFA Optical Density Channel 1 (FAOD_AFA[1])
-4 (---- 36

MRPOUD Motor Speed (POUDMS)
0 (RPM) 5000

MRMS 1 Upper Valve Position (MUP1)
(----
5 260

High Gas

Oil

AFA Optical Density Channel 2 (FAOD_AFA[2])
-8 (---- 32

AFA GOR (GOR_AFA)
0 (F3/B) 30000

MRMS 2 Upper Valve Position (MUP2)
(----
5 260

AFA Optical Density Channel 3 (FAOD_AFA[3])
-12 (---- 28

Resistivity Cell Temperature (PQ1TR) (DEGC)

AFA GOR (GOR_AFA) (F3/B)

MRPQ 1 Quartz Gauge Pressure (PQQP1) (PSIA)

AFA Optical Density Channel 4 (FAOD_AFA[4])
-16 (---- 24

MRPQ 1 Resistivity Cell Temperature (PQ1TR)
75 (DEGC) 125

AFA Optical Density Channel 5 (FAOD_AFA[5])
-20 (---- 20

MRPQ 1 Quartz Gauge Pressure (PQQP1)
0 (PSIA) 8000

AFA Optical Density Channel 6 (FAOD_AFA[6])
-24 (---- 16

MRPOUD Hydraulic Pressure (POUDHP)
0 (PSIG) 10000

AFA Optical Density Channel 7 (FAOD_AFA[7])
-28 (---- 12

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

AFA Optical Density Channel 8 (FAOD_AFA[8])
-32 (---- 8

AFA Optical Density Channel 9 (FAOD_AFA[9])
-36 (---- 4

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MRPQ_1: Quick Probe Module (MRPQ) 1		
QGCA	Quartz Gauge Pressure Correction Applied	BOTH	
QGDA	Quartz Gauge Deviation Angle	13	DEG
QGFD	Quartz Gauge Flow Line Density	1	G/C3
	MRPO_UD: Dual Up-down Pumpout Module (MRPOUD)		
POUDDISPVOL	MRPOUD Displacement Unit Stroke Volume	485	
	AFA: Advanced Fluid Analyzer		
CEXP_AFA	AFA Coloration Exponent	4.6	
DCDW_AFA	AFA Decolor and Dewater Allow/Disallow for Gas Oil Ratio	ALLOW	
FAGM_AFA	AFA GOR Allow/Disallow Mode	ALLOW	

FAJM_AFA	AFA Job Mode	LFA	
FATCM_AFA	AFA Temp. Coef. Measure Mode	** V **	
FATCS_AFA	AFA Temp. Coef. Source Mode	** V **	
GASH_AFA	AFA Gas Indicator High Level Threshold	0.4	
GASL_AFA	AFA Gas Indicator Low Level Threshold	0.05	
GASM_AFA	AFA Gas Indicator Medium Level Threshold	0.1	
GORD_AFA	AFA GOR Disqualification Level	0.1	
PDCO	Probe Depth Correction Offset	0	M
SATL_AFA	AFA Saturation Level of Optical Density Measurement	** V **	
TCPS_STATUS_AFA	AFA Temperature Compensation Coefficient Status	VALID	
MRPC: Power Cartridge			
PDCO	Probe Depth Correction Offset	0	M

Format: MRPQ_AFA_Hydrocarbon Vertical Scale: 1" per 60S Graphics File Created: 06−May−2008 01:24

OP System Version: 15C0−309

MCM

MRPQ_1	15C0−309	MRHY_1	15C0−309
MRPO_UD	15C0−309	AFA	15C0−309
MRMS_1	15C0−309	MRMS_2	15C0−309
MRPC	15C0−309	SGT−L	15C0−309
TCC−BF	15C0−309		

Output DLIS Files

DEFAULT	MDT_OFA_070LTP	FN:72	PRODUCER	06−May−2008 01:24		

Schlumberger

Correlation

MAXIS Field Log

Company: 3D Oil Well: West Seahorse 3

Output DLIS Files

DEFAULT	MDT_OFA_066LUP	FN:68	PRODUCER	06−May−2008 00:04	1699.6 M	1638.9 M

OP System Version: 15C0−309

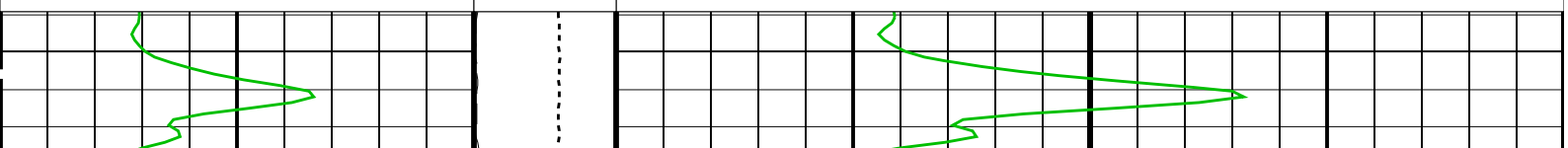
MCM

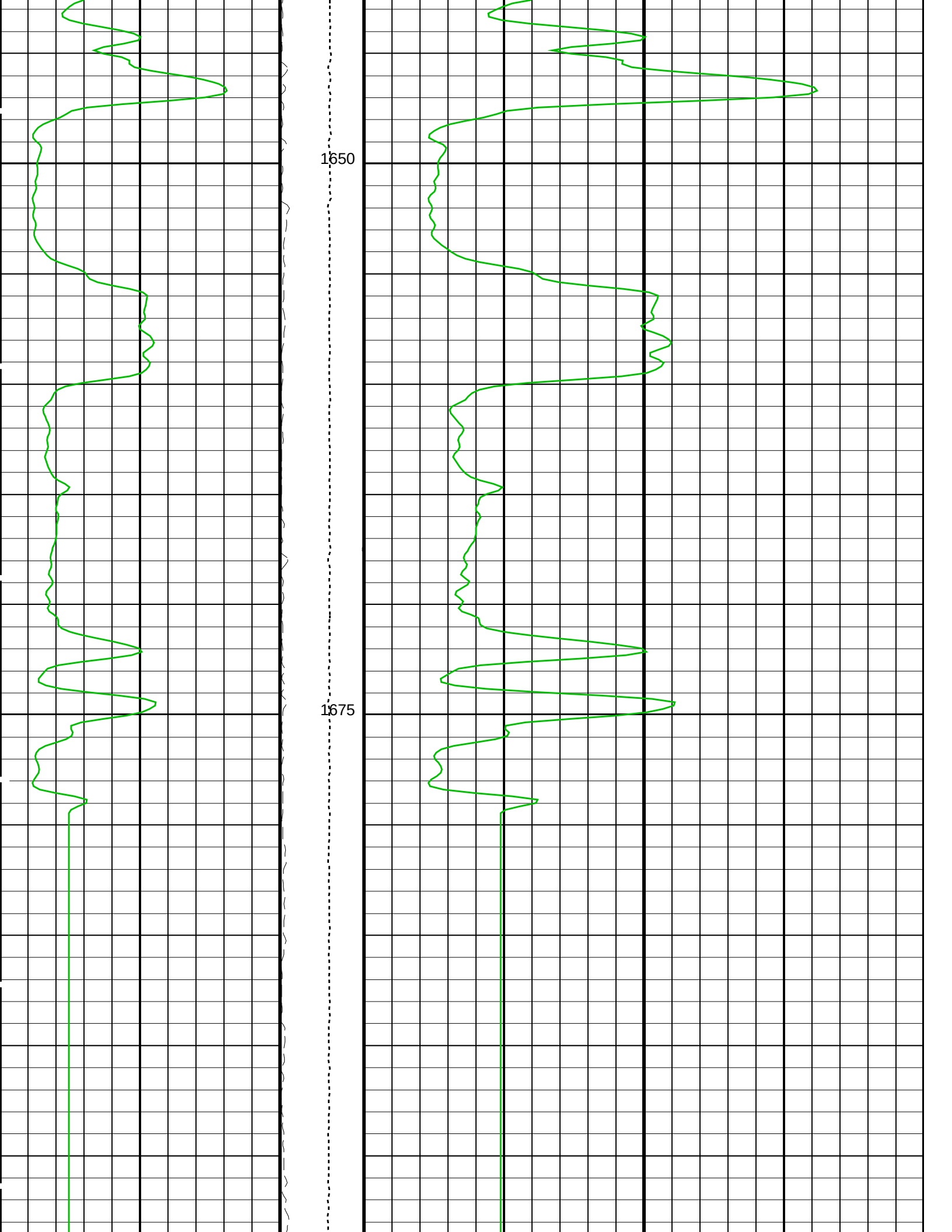
MRPQ_1	15C0−309	MRHY_1	15C0−309
MRPO_UD	15C0−309	AFA	15C0−309
MRMS_1	15C0−309	MRMS_2	15C0−309
MRPC	15C0−309	SGT−L	15C0−309
TCC−BF	15C0−309		

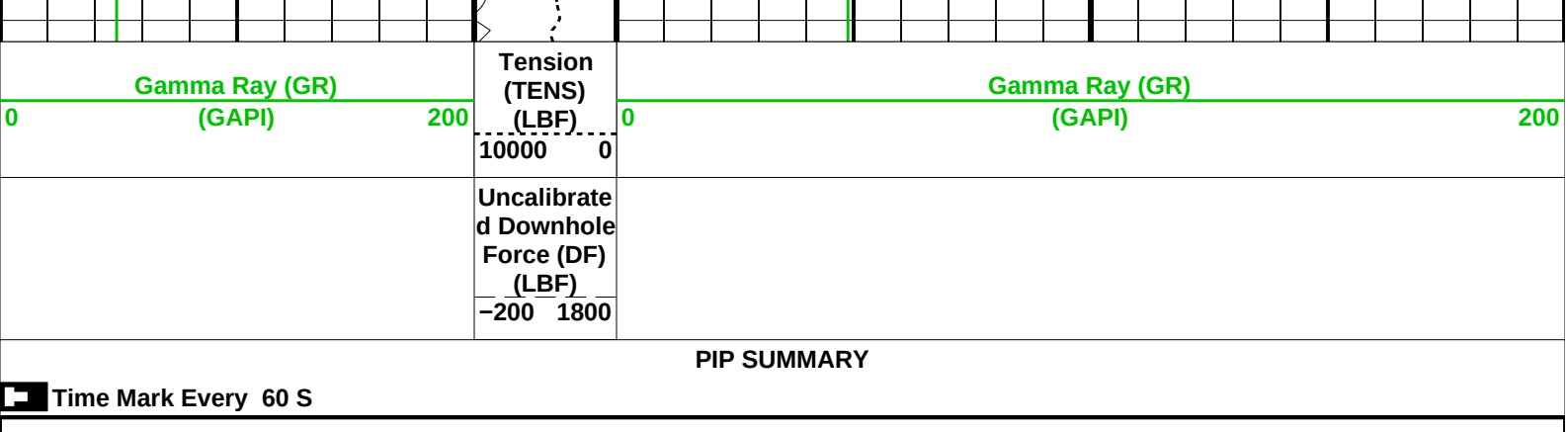
PIP SUMMARY

Time Mark Every 60 S

	Uncalibrated Downhole Force (DF) (LBF)	
	−200 1800	
Gamma Ray (GR)	Tension (TENS) (LBF)	Gamma Ray (GR)
0 (GAPI) 200	10000 0	0 (GAPI) 200




1650
1675



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
	AFA: Advanced Fluid Analyzer	
PDCO	Probe Depth Correction Offset	0 M
	MRPC: Power Cartridge	
PDCO	Probe Depth Correction Offset	0 M

Format: Correlation **Vertical Scale: 1:200** **Graphics File Created: 06−May−2008 00:04**

OP System Version: 15C0−309

MCM

MRPQ_1	15C0−309	MRHY_1	15C0−309
MRPO_UD	15C0−309	AFA	15C0−309
MRMS_1	15C0−309	MRMS_2	15C0−309
MRPC	15C0−309	SGT−L	15C0−309
TCC−BF	15C0−309		

Output DLIS Files

DEFAULT	MDT_OFA_066LUP	FN:68	PRODUCER	06−May−2008 00:04

Schlumberger

Calibrations

MAXIS Field Log

MASTER CALIBRATION SUMMARY: **Quartz Gauge (Quick Probe Module 1)**

Calibration Pressure Unit:	PSIA
Calibration Temperature Unit:	DEGC
Sensor Comment:	:
Sensor Serial Number:	4167
Sensor Calibration Date (DDMMYY):	200607
Pressure Model:	P=F(Fc,Fb)
Pressure Matrix:	66
Pressure CRC:	C7C0
Temperature Model:	T=F(Fb,Fc)
Temperature Matrix:	66
Temperature CRC:	DB57

Clock Comment:	**:**
Clock Serial Number:	**492**
Clock Calibration Date (DDMMYY):	**040707**
Clock Model:	**Fclk=F(Fb'−Fc')**
Clock Matrix:	**16**
Clock CRC:	**ADC0**
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	+.759000232755E+0	+.224263005573E−0	−.196320567066E−0	−.796574135443E−1
Fc**1	−.107224695347E+0	−.129467349666E−0	−.978180496459E−1	−.174374598097E−1
Fc**2	+.111192981807E−0	+.448342904368E−1	+.858709445641E−1	+.574883481443E−1
Fc**3	+.460145587408E−1	−.114626730041E−1	−.819054046814E−1	+.275105668528E−2
Fc**4	+.178772578010E−1	+.410527426287E−1	+.145729169473E−2	−.117444805339E−2
Fc**5	−.746704221725E−2	+.239719608176E−2	+.128494656481E−2	+.452233121298E−3

	Fb**4	Fb**5
Fc**0	−.148076621784E−1	−.309178296706E−1
Fc**1	−.326677433537E−2	+.160370560822E−2
Fc**2	+.130902803720E−2	−.262968792444E−2
Fc**3	+.680532348295E−2	−.959838976971E−3
Fc**4	−.110045110030E−3	+.789384628156E−3
Fc**5	−.909916455089E−3	−.376238838482E−3

Temperature Coefficients

	Fc**0	Fc**1	Fc**2	Fc**3
Fb**0	+.114550322131E+0	−.348978635188E−0	+.636862825069E−0	+.452651744819E−1
Fb**1	−.601351727535E−0	+.177582017386E−0	+.154294055615E−1	−.124687202313E−1
Fb**2	−.317542882336E−0	+.354720150656E−1	+.739008177883E−1	−.662039424282E−2
Fb**3	−.270770249313E−1	−.284730991897E−1	−.245724934823E−2	+.518298771294E−2
Fb**4	−.345439066126E−1	+.164667039865E−2	−.392966509256E−2	+.166039876085E−2
Fb**5	−.124014535755E−2	+.645278280662E−2	+.125392906032E−2	−.357806354661E−3

	Fc**4	Fc**5
Fb**0	+.233018229174E−1	−.191259582622E−2
Fb**1	+.262757309219E−2	+.209933477387E−2
Fb**2	−.127896832180E−2	−.140186856219E−2
Fb**3	+.182591078187E−2	−.933368003600E−3
Fb**4	+.108042698014E−3	+.496111948164E−3
Fb**5	−.324039362817E−3	+.643198076331E−4

Clock Coefficients

F'b/F'c**0	+.517500080517E+0
F'b/F'c**1	+.361070646957E−0
F'b/F'c**2	+.807500655310E−0
F'b/F'c**3	−.644591216741E−1
F'b/F'c**4	−.511163139151E−1
F'b/F'c**5	+.476490872944E−2

Vert Strain Gauge (Quick Probe Module 1)

Serial Number:	**128849**
Range:	**10K**
Calibration Date:	**12/04/07**
Mean Quadratic Deviation:	**0.9759**
Offset:	**0.0000 PSI**
Calibration Pressure Unit:	**PSI**
Calibration Temperature Unit:	**DEGC**

	G	H	I	J
0	−3.626346e+002	1.005073e+000	−9.304764e−007	4.341833e−011
1	−3.038875e−001	−6.983775e−005	1.301790e−008	−5.847315e−013
2	2.115399e−003	8.117094e−007	−9.362194e−011	2.922926e−015
3	−2.258954e−006	−3.066218e−009	1.753665e−013	0.000000e+000

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Advanced Fluid Analyzer Wellsite Calibration − Spectrometer Channels							
Master: 29−Apr−2008 9:13 Before: 3−May−2008 9:19							
Dark Mode − 0	0.02500	0.02984	0.02985	N/A	N/A	N/A	V
Dark Mode − 1	0.02500	0.02967	0.02962	N/A	N/A	N/A	V
Dark Mode − 2	0.02500	0.02923	0.02931	N/A	N/A	N/A	V
Dark Mode − 3	0.02500	0.02947	0.02945	N/A	N/A	N/A	V
Dark Mode − 4	0.02500	0.02957	0.02956	N/A	N/A	N/A	V
Dark Mode − 5	0.02500	0.02934	0.02940	N/A	N/A	N/A	V
Dark Mode − 6	0.02500	0.02960	0.02952	N/A	N/A	N/A	V
Dark Mode − 7	0.02500	0.02945	0.02958	N/A	N/A	N/A	V
Dark Mode − 8	0.02500	0.02955	0.02952	N/A	N/A	N/A	V
Dark Mode − 9	0.02500	0.02910	0.02912	N/A	N/A	N/A	V
Source Mode − 0	1.700	1.094	1.077	N/A	N/A	N/A	V
Source Mode − 1	1.700	0.9662	0.9213	N/A	N/A	N/A	V
Source Mode − 2	1.700	1.125	1.084	N/A	N/A	N/A	V
Source Mode − 3	1.700	1.196	1.158	N/A	N/A	N/A	V
Source Mode − 4	1.700	0.6301	0.6139	N/A	N/A	N/A	V
Source Mode − 5	1.700	0.7845	0.7688	N/A	N/A	N/A	V
Source Mode − 6	1.700	1.077	1.057	N/A	N/A	N/A	V
Source Mode − 7	1.700	1.253	1.233	N/A	N/A	N/A	V
Source Mode − 8	1.700	1.582	1.557	N/A	N/A	N/A	V
Source Mode − 9	1.700	2.010	1.985	N/A	N/A	N/A	V

Advanced Fluid Analyzer Wellsite Calibration − Gas Detector Channels
Master: 29−Apr−2008 9:13 Before: 3−May−2008 9:19

Dark Mode − 0	0.02500	0.02973	0.02981	N/A	N/A	N/A	V
Dark Mode − 1	0.02500	0.02953	0.02951	N/A	N/A	N/A	V
Dark Mode − 2	0.02500	0.02947	0.02954	N/A	N/A	N/A	V
Dark Mode − 3	0.02500	0.02934	0.02930	N/A	N/A	N/A	V
Dark Mode − 4	0.02500	0.02935	0.02933	N/A	N/A	N/A	V
Dark Mode − 5	0.02500	0.02908	0.02916	N/A	N/A	N/A	V

Advanced Fluid Analyzer Wellsite Calibration − Gas Detector Source Intensity
Master: 29−Apr−2008 9:13 Before: 3−May−2008 9:19

Source Intensity Dark Mode	0.02600	0.02948	0.02947	N/A	N/A	N/A	V
Source Intensity Source Mode	0.2500	0.2787	0.2673	N/A	N/A	N/A	V

Advanced Fluid Analyzer Master Calibration − Spectrometer
Master: 29−Apr−2008 9:13

Dry Dark Mode − 0	0.02500	0.02984	−−	−−	−−	−−	V
Dry Dark Mode − 1	0.02500	0.02967	−−	−−	−−	−−	V
Dry Dark Mode − 2	0.02500	0.02923	−−	−−	−−	−−	V
Dry Dark Mode − 3	0.02500	0.02947	−−	−−	−−	−−	V
Dry Dark Mode − 4	0.02500	0.02957	−−	−−	−−	−−	V
Dry Dark Mode − 5	0.02500	0.02934	−−	−−	−−	−−	V
Dry Dark Mode − 6	0.02500	0.02960	−−	−−	−−	−−	V
Dry Dark Mode − 7	0.02500	0.02945	−−	−−	−−	−−	V
Dry Dark Mode − 8	0.02500	0.02955	−−	−−	−−	−−	V
Dry Dark Mode − 9	0.02500	0.02910	−−	−−	−−	−−	V
Dry Source Mode − 0	1.700	1.094	−−	−−	−−	−−	V
Dry Source Mode − 1	1.700	0.9662	−−	−−	−−	−−	V
Dry Source Mode − 2	1.700	1.125	−−	−−	−−	−−	V
Dry Source Mode − 3	1.700	1.196	−−	−−	−−	−−	V
Dry Source Mode − 4	1.700	0.6301	−−	−−	−−	−−	V
Dry Source Mode − 5	1.700	0.7845	−−	−−	−−	−−	V
Dry Source Mode − 6	1.700	1.077	−−	−−	−−	−−	V
Dry Source Mode − 7	1.700	1.253	−−	−−	−−	−−	V
Dry Source Mode − 8	1.700	1.582	−−	−−	−−	−−	V
Dry Source Mode − 9	1.700	2.010	−−	−−	−−	−−	V
Dry Measure Mode − 0	2.700	2.640	−−	−−	−−	−−	V
Dry Measure Mode − 1	2.700	2.241	−−	−−	−−	−−	V
Dry Measure Mode − 2	2.700	2.675	−−	−−	−−	−−	V
Dry Measure Mode − 3	2.700	2.703	−−	−−	−−	−−	V
Dry Measure Mode − 4	2.700	2.753	−−	−−	−−	−−	V
Dry Measure Mode − 5	2.700	2.730	−−	−−	−−	−−	V
Dry Measure Mode − 6	2.700	2.772	−−	−−	−−	−−	V
Dry Measure Mode − 7	2.700	2.740	−−	−−	−−	−−	V
Dry Measure Mode − 8	2.700	2.638	−−	−−	−−	−−	V
Dry Measure Mode − 9	2.700	2.609	−−	−−	−−	−−	V
Oil Dark Mode − 0	0.02500	0.02988	−−	−−	−−	−−	V
Oil Dark Mode − 1	0.02500	0.02969	−−	−−	−−	−−	V
Oil Dark Mode − 2	0.02500	0.02927	−−	−−	−−	−−	V
Oil Dark Mode − 3	0.02500	0.02952	−−	−−	−−	−−	V
Oil Dark Mode − 4	0.02500	0.02960	−−	−−	−−	−−	V
Oil Dark Mode − 5	0.02500	0.02936	−−	−−	−−	−−	V
Oil Dark Mode − 6	0.02500	0.02967	−−	−−	−−	−−	V
Oil Dark Mode − 7	0.02500	0.02951	−−	−−	−−	−−	V
Oil Dark Mode − 8	0.02500	0.02961	−−	−−	−−	−−	V
Oil Dark Mode − 9	0.02500	0.02914	−−	−−	−−	−−	V
Oil Source Mode − 0	1.700	1.090	−−	−−	−−	−−	V
Oil Source Mode − 1	1.700	0.9612	−−	−−	−−	−−	V
Oil Source Mode − 2	1.700	1.121	−−	−−	−−	−−	V
Oil Source Mode − 3	1.700	1.192	−−	−−	−−	−−	V
Oil Source Mode − 4	1.700	0.6251	−−	−−	−−	−−	V
Oil Source Mode − 5	1.700	0.7793	−−	−−	−−	−−	V
Oil Source Mode − 6	1.700	1.071	−−	−−	−−	−−	V
Oil Source Mode − 7	1.700	1.248	−−	−−	−−	−−	V
Oil Source Mode − 8	1.700	1.575	−−	−−	−−	−−	V
Oil Source Mode − 9	1.700	2.007	−−	−−	−−	−−	V
Oil Measure Mode − 0	1.000	2.485	−−	−−	−−	−−	V
Oil Measure Mode − 1	1.000	2.486	−−	−−	−−	−−	V
Oil Measure Mode − 2	1.000	3.150	−−	−−	−−	−−	V
Oil Measure Mode − 3	1.000	3.190	−−	−−	−−	−−	V
Oil Measure Mode − 4	1.000	3.246	−−	−−	−−	−−	V
Oil Measure Mode − 5	1.000	3.140	−−	−−	−−	−−	V
Oil Measure Mode − 6	1.000	2.802	−−	−−	−−	−−	V
Oil Measure Mode − 7	1.000	3.063	−−	−−	−−	−−	V
Oil Measure Mode − 8	1.000	0.4603	−−	−−	−−	−−	V
Oil Measure Mode − 9	1.000	1.952	−−	−−	−−	−−	V
Water Dark Mode − 0	0.02500	0.02986	−−	−−	−−	−−	V
Water Dark Mode − 1	0.02500	0.02970	−−	−−	−−	−−	V
Water Dark Mode − 2	0.02500	0.02927	−−	−−	−−	−−	V
Water Dark Mode − 3	0.02500	0.02949	−−	−−	−−	−−	V
Water Dark Mode − 4	0.02500	0.02957	−−	−−	−−	−−	V

Water Dark Mode − 5	0.02500	0.02938	−−	−−	−−	−−	V
Water Dark Mode − 6	0.02500	0.02963	−−	−−	−−	−−	V
Water Dark Mode − 7	0.02500	0.02951	−−	−−	−−	−−	V
Water Dark Mode − 8	0.02500	0.02958	−−	−−	−−	−−	V
Water Dark Mode − 9	0.02500	0.02914	−−	−−	−−	−−	V
Water Source Mode − 0	1.700	1.088	−−	−−	−−	−−	V
Water Source Mode − 1	1.700	0.9628	−−	−−	−−	−−	V
Water Source Mode − 2	1.700	1.121	−−	−−	−−	−−	V
Water Source Mode − 3	1.700	1.193	−−	−−	−−	−−	V
Water Source Mode − 4	1.700	0.6257	−−	−−	−−	−−	V
Water Source Mode − 5	1.700	0.7780	−−	−−	−−	−−	V
Water Source Mode − 6	1.700	1.067	−−	−−	−−	−−	V
Water Source Mode − 7	1.700	1.244	−−	−−	−−	−−	V
Water Source Mode − 8	1.700	1.576	−−	−−	−−	−−	V
Water Source Mode − 9	1.700	2.006	−−	−−	−−	−−	V
Water Measure Mode − 0	1.000	0.8535	−−	−−	−−	−−	V
Water Measure Mode − 1	1.000	2.547	−−	−−	−−	−−	V
Water Measure Mode − 2	1.000	3.049	−−	−−	−−	−−	V
Water Measure Mode − 3	1.000	3.081	−−	−−	−−	−−	V
Water Measure Mode − 4	1.000	3.046	−−	−−	−−	−−	V
Water Measure Mode − 5	1.000	2.376	−−	−−	−−	−−	V
Water Measure Mode − 6	1.000	0.03516	−−	−−	−−	−−	V
Water Measure Mode − 7	1.000	0.6276	−−	−−	−−	−−	V
Water Measure Mode − 8	1.000	0.7929	−−	−−	−−	−−	V
Water Measure Mode − 9	1.000	0.02955	−−	−−	−−	−−	V

Advanced Fluid Analyzer Master Calibration − Gas Detector
Master: 29−Apr−2008 9:13

Dry Dark Mode − 0	0.02500	0.02973	−−	−−	−−	−−	V
Dry Dark Mode − 1	0.02500	0.02953	−−	−−	−−	−−	V
Dry Dark Mode − 2	0.02500	0.02947	−−	−−	−−	−−	V
Dry Dark Mode − 3	0.02500	0.02934	−−	−−	−−	−−	V
Dry Dark Mode − 4	0.02500	0.02935	−−	−−	−−	−−	V
Dry Dark Mode − 5	0.02500	0.02908	−−	−−	−−	−−	V
Dry Measure Mode − 0	0	0.08634	−−	−−	−−	−−	V
Dry Measure Mode − 1	0	0.1814	−−	−−	−−	−−	V
Dry Measure Mode − 2	0	0.3657	−−	−−	−−	−−	V
Dry Measure Mode − 3	0	0.3723	−−	−−	−−	−−	V
Dry Measure Mode − 4	0	0.3787	−−	−−	−−	−−	V
Dry Measure Mode − 5	0	0.3315	−−	−−	−−	−−	V
Dry Normalized − 0	0	0.1651	−−	−−	−−	−−	V
Dry Normalized − 1	0	0.4430	−−	−−	−−	−−	V
Dry Normalized − 2	0	0.9804	−−	−−	−−	−−	V
Dry Normalized − 3	0	1.000	−−	−−	−−	−−	V
Dry Normalized − 4	0	1.019	−−	−−	−−	−−	V
Dry Normalized − 5	0	0.8819	−−	−−	−−	−−	V
Water Dark Mode − 0	0.02500	0.02978	−−	−−	−−	−−	V
Water Dark Mode − 1	0.02500	0.02961	−−	−−	−−	−−	V
Water Dark Mode − 2	0.02500	0.02949	−−	−−	−−	−−	V
Water Dark Mode − 3	0.02500	0.02940	−−	−−	−−	−−	V
Water Dark Mode − 4	0.02500	0.02937	−−	−−	−−	−−	V
Water Dark Mode − 5	0.02500	0.02914	−−	−−	−−	−−	V
Water Measure Mode − 0	1.000	0.07891	−−	−−	−−	−−	V
Water Measure Mode − 1	1.000	0.05887	−−	−−	−−	−−	V
Water Measure Mode − 2	1.000	0.04290	−−	−−	−−	−−	V
Water Measure Mode − 3	1.000	0.04078	−−	−−	−−	−−	V
Water Measure Mode − 4	1.000	0.05188	−−	−−	−−	−−	V
Water Measure Mode − 5	1.000	0.08549	−−	−−	−−	−−	V

Advanced Fluid Analyzer Master Calibration − Gas Detector Source Intensity
Master: 29−Apr−2008 9:13

Source Intensity Dark Mode	0.02600	0.02948	−−	−−	−−	−−	V
Source Intensity Source Mode	0.2500	0.2787	−−	−−	−−	−−	V

Advanced Fluid Analyzer Master Calibration − Absorption Coefficients
Master: 29−Apr−2008 9:18

Oil Absorption Coefficie − 0	0	0.02651	−−	−−	−−	−−	V
Oil Absorption Coefficie − 1	0	−0.04560	−−	−−	−−	−−	V
Oil Absorption Coefficie − 2	0	−0.07165	−−	−−	−−	−−	V
Oil Absorption Coefficie − 3	0	−0.07270	−−	−−	−−	−−	V
Oil Absorption Coefficie − 4	0	−0.07221	−−	−−	−−	−−	V
Oil Absorption Coefficie − 5	0	−0.06144	−−	−−	−−	−−	V
Oil Absorption Coefficie − 6	0	−0.004719	−−	−−	−−	−−	V
Oil Absorption Coefficie − 7	0	−0.04883	−−	−−	−−	−−	V
Oil Absorption Coefficie − 8	0	0.7822	−−	−−	−−	−−	V
Oil Absorption Coefficie − 9	0	0.1276	−−	−−	−−	−−	V
Water Absorption Coeffic − 0	0	0.5009	−−	−−	−−	−−	V
Water Absorption Coeffic − 1	0	−0.05622	−−	−−	−−	−−	V
Water Absorption Coeffic − 2	0	−0.05747	−−	−−	−−	−−	V
Water Absorption Coeffic − 3	0	−0.05745	−−	−−	−−	−−	V
Water Absorption Coeffic − 4	0	−0.04436	−−	−−	−−	−−	V

Water Absorption Coeffic − 5	0	0.06109	−−	−−	−−	−−	V
Water Absorption Coeffic − 6	0	2.695	−−	−−	−−	−−	V
Water Absorption Coeffic − 7	0	0.6563	−−	−−	−−	−−	V
Water Absorption Coeffic − 8	0	0.5336	−−	−−	−−	−−	V
Water Absorption Coeffic − 9	0	3.801	−−	−−	−−	−−	V

Scintillation Gamma−Ray − L Wellsite Calibration − Detector Calibration
Before: 3−May−2008 9:20

Gamma Ray Background	30.00	N/A	4.103	N/A	N/A	N/A	GAPI
Gamma Ray (Jig − Bkg)	166.3	N/A	166.3	N/A	N/A	15.12	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

Advanced Fluid Analyzer / Equipment Identification

Primary Equipment:
Advanced Fluid Analyzer — MRFA − FA — 8552

Auxiliary Equipment:

Advanced Fluid Analyzer Wellsite Calibration
Spectrometer Channels

Idx	Phase	Dark Mode V	Value	Idx	Phase	Source Mode V	Value
0	Master		0.02984	0	Master		1.094
	Before		0.02985		Before		1.077
1	Master		0.02967	1	Master		0.9662
	Before		0.02962		Before		0.9213
2	Master		0.02923	2	Master		1.125
	Before		0.02931		Before		1.084
3	Master		0.02947	3	Master		1.196
	Before		**0.02945**		**Before**		**1.158**
4	Master		0.02957	4	Master		0.6301
	Before		0.02956		Before		0.6139
5	Master		0.02934	5	Master		0.7845
	Before		0.02940		Before		0.7688
6	Master		0.02960	6	Master		1.077
	Before		0.02952		Before		1.057
7	Master		0.02945	7	Master		1.253
	Before		0.02958		Before		1.233
8	Master		0.02955	8	Master		1.582
	Before		0.02952		Before		1.557
9	Master		0.02910	9	Master		2.010
	Before		0.02912		Before		1.985
		0.01700 (Minimum) 0.02500 (Nominal) 0.03300 (Maximum)				0.2000 (Minimum) 1.700 (Nominal) 3.200 (Maximum)	

Master: 29−Apr−2008 9:13 Before: 3−May−2008 9:19

Advanced Fluid Analyzer Wellsite Calibration
Gas Detector Channels

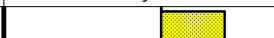
Idx	Phase	Dark Mode V	Value
0	Master		0.02973
	Before		0.02981
1	Master		0.02953
	Before		0.02951
	Master		0.02947

2	Before		0.02954
3	Master		0.02934
	Before		0.02930
4	Master		0.02935
	Before		0.02933
5	Master		0.02908
	Before		0.02916
	0.01700 (Minimum)	0.02500 (Nominal)	0.03300 (Maximum)

Master: 29−Apr−2008 9:13
Before: 3−May−2008 9:19

Advanced Fluid Analyzer Wellsite Calibration

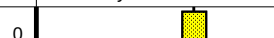
Gas Detector Source Intensity

Phase	Source Intensity Dark Mode V	Value	Phase	Source Intensity Source Mode V	Value
Master		0.02948	Master		0.2787
Before		0.02947	Before		0.2673
0.01700 (Minimum)	0.02600 (Nominal)	0.03500 (Maximum)	0.1900 (Minimum)	0.2500 (Nominal)	0.3100 (Maximum)

Master: 29−Apr−2008 9:13 Before: 3−May−2008 9:19

Advanced Fluid Analyzer Master Calibration

Spectrometer

Idx	Dry Dark Mode V	Value	Idx	Dry Source Mode V	Value	Idx	Dry Measure Mode V	Value
0		0.02984	0		1.094	0		2.640
1		0.02967	1		0.9662	1		2.241
2		0.02923	2		1.125	2		2.675
3		0.02947	3		1.196	3		2.703
4		0.02957	4		0.6301	4		2.753
5		0.02934	5		0.7845	5		2.730
6		0.02960	6		1.077	6		2.772
7		0.02945	7		1.253	7		2.740
8		0.02955	8		1.582	8		2.638
9		0.02910	9		2.010	9		2.609
0.01700 (Minimum)	0.02500 (Nominal)	0.03300 (Maximum)	0.2000 (Minimum)	1.700 (Nominal)	3.200 (Maximum)	1.350 (Minimum)	2.700 (Nominal)	3.200 (Maximum)

Idx	Oil Dark Mode V	Value	Idx	Oil Source Mode V	Value	Idx	Oil Measure Mode V	Value
0		0.02988	0		1.090	0		2.485
1		0.02969	1		0.9612	1		2.486
2		0.02927	2		1.121	2		3.150
3		0.02952	3		1.192	3		3.190
4		0.02960	4		0.6251	4		3.246
5		0.02936	5		0.7793	5		3.140
6		0.02967	6		1.071	6		2.802
7		0.02951	7		1.248	7		3.063
8		0.02961	8		1.575	8		0.4603
9		0.02914	9		2.007	9		1.952
0.01700 (Minimum)	0.02500 (Nominal)	0.03300 (Maximum)	0.2000 (Minimum)	1.700 (Nominal)	3.200 (Maximum)	0 (Minimum)	1.000 (Nominal)	4.500 (Maximum)

Idx	Water Dark Mode V	Value	Idx	Water Source Mode V	Value	Idx	Water Measure Mode V	Value
0		0.02986	0		1.088	0		0.8535
1		0.02970	1		0.9628	1		2.547

2		0.02927	2		1.121	2		3.049
3		0.02949	3		1.193	3		3.081
4		0.02957	4		0.6257	4		3.046
5		0.02938	5		0.7780	5		2.376
6		0.02963	6		1.067	6		0.03516
7		0.02951	7		1.244	7		0.6276
8		0.02958	8		1.576	8		0.7929
9		0.02914	9		2.006	9		0.02955
	0.01700 (Minimum) 0.02500 (Nominal) 0.03300 (Maximum)			0.2000 (Minimum) 1.700 (Nominal) 3.200 (Maximum)			0 (Minimum) 1.000 (Nominal) 4.500 (Maximum)	

Master: 29−Apr−2008 9:13

Advanced Fluid Analyzer Master Calibration

Gas Detector

Idx	Dry Dark Mode V	Value
0		0.02973
1		0.02953
2		0.02947
3		0.02934
4		0.02935
5		0.02908
	0.01700 (Minimum) 0.02500 (Nominal) 0.03300 (Maximum)	

Idx	Water Dark Mode V	Value
0		0.02978
1		0.02961
2		0.02949
3		0.02940
4		0.02937
5		0.02914
	0.01700 (Minimum) 0.02500 (Nominal) 0.03300 (Maximum)	

Idx	Dry Measure Mode V	Value
0		0.08634
	0 (Minimum) 0.5000 (Nominal) 1.000 (Maximum)	
1		0.1814
	0 (Minimum) 0.5000 (Nominal) 1.000 (Maximum)	
2		0.3657
	0 (Minimum) 0.5000 (Nominal) 1.000 (Maximum)	
3		0.3723
	0.3000 (Minimum) 0.5000 (Nominal) 1.000 (Maximum)	
4		0.3787
	0 (Minimum) 0.5000 (Nominal) 1.000 (Maximum)	
5		0.3315
	0 (Minimum) 0.5000 (Nominal) 1.000 (Maximum)	

Idx	Dry Normalized V	Value
0		0.1651
	0.1000 (Minimum) 0.2400 (Nominal) 0.5000 (Maximum)	
1		0.4430
	0.2000 (Minimum) 0.4600 (Nominal) 0.8000 (Maximum)	
2		0.9804
	0.7000 (Minimum) 1.010 (Nominal) 1.300 (Maximum)	
3		1.000
	1.000 (Minimum) 1.000 (Nominal) 1.000 (Maximum)	
4		1.019
	0.6000 (Minimum) 0.9200 (Nominal) 1.200 (Maximum)	
5		0.8819
	0.4000 (Minimum) 0.7500 (Nominal) 1.000 (Maximum)	

Idx	Water Measure Mode V	Value
0		0.07891
1		0.05887
2		0.04290
3		0.04078
4		0.05188
5		0.08549
	0 (Minimum) 1.000 (Nominal) 4.500 (Maximum)	

Master: 29−Apr−2008 9:13

Advanced Fluid Analyzer Master Calibration

Gas Detector Source Intensity

Source Intensity Dark Mode V	Value	Source Intensity Source Mode V	Value
	0.02948		0.2787
0.01700 (Minimum) 0.02600 (Nominal) 0.03500 (Maximum)		0.1900 (Minimum) 0.2500 (Nominal) 0.3100 (Maximum)	

Master: 29−Apr−2008 9:13

Advanced Fluid Analyzer Master Calibration

Absorption Coefficients

Idx	Oil Absorption Coefficients V	Value
0		0.02651
	0 (Minimum) 0.05500 (Nominal) 0.1100 (Maximum)	
1		−0.04560

Idx	Water Absorption Coefficients V	Value
0		0.5009
	0.4300 (Minimum) 0.4800 (Nominal) 0.5300 (Maximum)	
1		−0.05622

−0.1000 (Minimum)	−0.06000 (Nominal)	−0.02000 (Maximum)		−0.09000 (Minimum)	−0.05000 (Nominal)	−0.010000 (Maximum)	
2			−0.07165	2			−0.05747
−0.1000 (Minimum)	−0.06500 (Nominal)	−0.03000 (Maximum)		−0.09000 (Minimum)	−0.05500 (Nominal)	−0.02000 (Maximum)	
3			−0.07270	3			−0.05745
−0.1000 (Minimum)	−0.06000 (Nominal)	−0.02000 (Maximum)		−0.09000 (Minimum)	−0.05500 (Nominal)	−0.02000 (Maximum)	
4			−0.07221	4			−0.04436
−0.1000 (Minimum)	−0.06000 (Nominal)	−0.02000 (Maximum)		−0.07000 (Minimum)	−0.03500 (Nominal)	0 (Maximum)	
5			−0.06144	5			0.06109
−0.08000 (Minimum)	−0.04500 (Nominal)	−0.010000 (Maximum)		0.02000 (Minimum)	0.06000 (Nominal)	0.1000 (Maximum)	
6			−0.004719	6			2.695
−0.03000 (Minimum)	−0.005000 (Nominal)	0.02000 (Maximum)		2.520 (Minimum)	2.660 (Nominal)	2.800 (Maximum)	
7			−0.04883	7			0.6563
−0.08000 (Minimum)	−0.04000 (Nominal)	0 (Maximum)		0.5500 (Minimum)	0.6200 (Nominal)	0.6900 (Maximum)	
8			0.7822	8			0.5336
0.6600 (Minimum)	0.7500 (Nominal)	0.8400 (Maximum)		0.4700 (Minimum)	0.5150 (Nominal)	0.5600 (Maximum)	
9			0.1276	9			3.801
0.08000 (Minimum)	0.1300 (Nominal)	0.1800 (Maximum)		2.500 (Minimum)	3.850 (Nominal)	50.00 (Maximum)	

Master: 29−Apr−2008 9:18

Scintillation Gamma−Ray − L / Equipment Identification

Primary Equipment:

Scintillation Gamma Cartridge	SGC − V	10004
Scintillation Gamma Detector	SGD − TAB	21526

Auxiliary Equipment:

Scintillation Gamma Housing	SGH − K	2862
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		4.103	Before		166.3	Before		165.0
0 (Minimum)	30.00 (Nominal) 120.0 (Maximum)		151.2 (Minimum)	166.3 (Nominal) 181.4 (Maximum)		150.0 (Minimum)	165.0 (Nominal) 180.0 (Maximum)	

Before: 3−May−2008 9:20

Schlumberger

Inclination Data

MAXIS Field Log

WFTI INCLINOMETRY LIST

Meas. Tie Depth : 1094.4 M True Vert. Tie Depth: 1014.8 M

Measured Depth (M)	Deviation (DEG)	Azimuth (DEG)	True Vertical Depth (M)
1094.4	0.00	0.00	1014.8
1094.4	0.00	0.00	1014.8
1094.4	27.04	62.76	1014.9
1143.3	25.87	63.90	1058.6
1155.2	25.58	63.60	1069.4
1184.9	25.36	62.41	1096.2
1214.5	26.03	61.94	1122.8
1244.4	26.97	60.72	1149.6
1273.7	27.88	59.68	1175.6
1303.2	28.27	60.45	1201.6
1333.1	28.34	61.52	1227.9
1362.3	28.20	62.55	1253.7
1392.5	27.26	63.55	1280.4
1421.7	25.27	66.35	1306.6
1451.6	22.70	68.06	1333.9
1481.4	20.36	68.27	1361.6
1511.2	17.26	67.69	1389.9
1540.8	13.04	64.12	1418.4
1570.5	10.60	59.53	1447.4
1600.2	8.72	58.21	1476.7
1629.9	8.74	68.10	1506.1
1659.0	8.55	72.75	1534.8
1688.3	8.90	69.00	1563.9
1718.0	8.56	61.35	1593.1
1747.5	8.59	54.77	1622.3
1777.4	8.68	54.87	1651.9
1789.3	8.75	55.97	1663.7
1810.0	8.75	55.97	1684.1

Company: **3D Oil Limited**

Schlumberger

Well: **West Seahorse 3**
Field: **West Seahorse**
Rig: **West Triton**
Country: **Australia**

MDT−GR
SAMPLING
Suite 1 Run 2 − Scale 1:200