

Schlumberger

PERFORM - Drilling Mechanics

2 in / hr Time Based

Real Time Log

Company: ExxonMobil Oil Corporation

Well: Piceance Creek Unit 197 34 A5

Field: Piceance Creek

County: Rio Blanco

State: Colorado

Country: United States

APIN: 051031154000

Rig Name: H&P 325

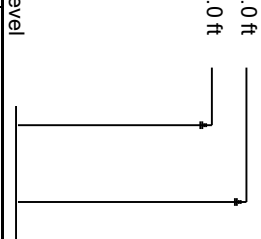
Rig Type: Flex 4

Section: 34
Township: 1S
Range: 97W
FL: Latitude: N 39° 54' 5.318", Longitude: W -108° 16' 34.781"
FL1: X: 1221375.00 ft, Y: 225215.00 ft
FL2: NAD 27 Colorado State Planes, Northern Zone, US Feet

Log Measured From - Drill Floor: 6518.0 ft
 Ground Level: 6488.0 ft



Permanent Datum - Mean Sea Level



Acquisition Dates: 10 Mar 10 to 31 May 10

Print Interval: 3/10/2010 12:37:21 AM to 5/31/2010 12:23:46 PM

Index Types: Time

Index Scales: 2" / 3600 secs

Depth Source: Driller Depth

Depth Sensor: 3rd Party Depth

Conveyance: Drill Pipe

Print Type: Final

Spud Date: 03/10/2010

Other Services: Directional Drilling

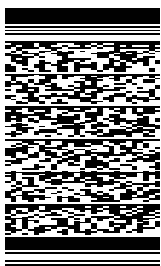
PERFORM

Disclaimer

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Run 1

Real Time Log

Software Version

Acquisition System		Version	
MaxWell		1.2.8706.0	
Framework Patch		FWK-BGC-20100105-1.2.8706.1067	
Application Patch		APL-SRPC-DnM-1.2.8706.1045	
Tool Elements	Description	Software Version	Firmware Version
DRILLING_SURFACE	DRILLING_SURFACE	1.2.8706.1067	

Pass Summary

Run Name	Pass Objective	Direction	Start	Stop	Acquisition Start Date	Acquisition Start Time
Run 1	TimeLogicalAcq	Down	10-Mar-2010 06:37:21	13-Mar-2010 06:50:39	10-Mar-2010	06:37:21

Log

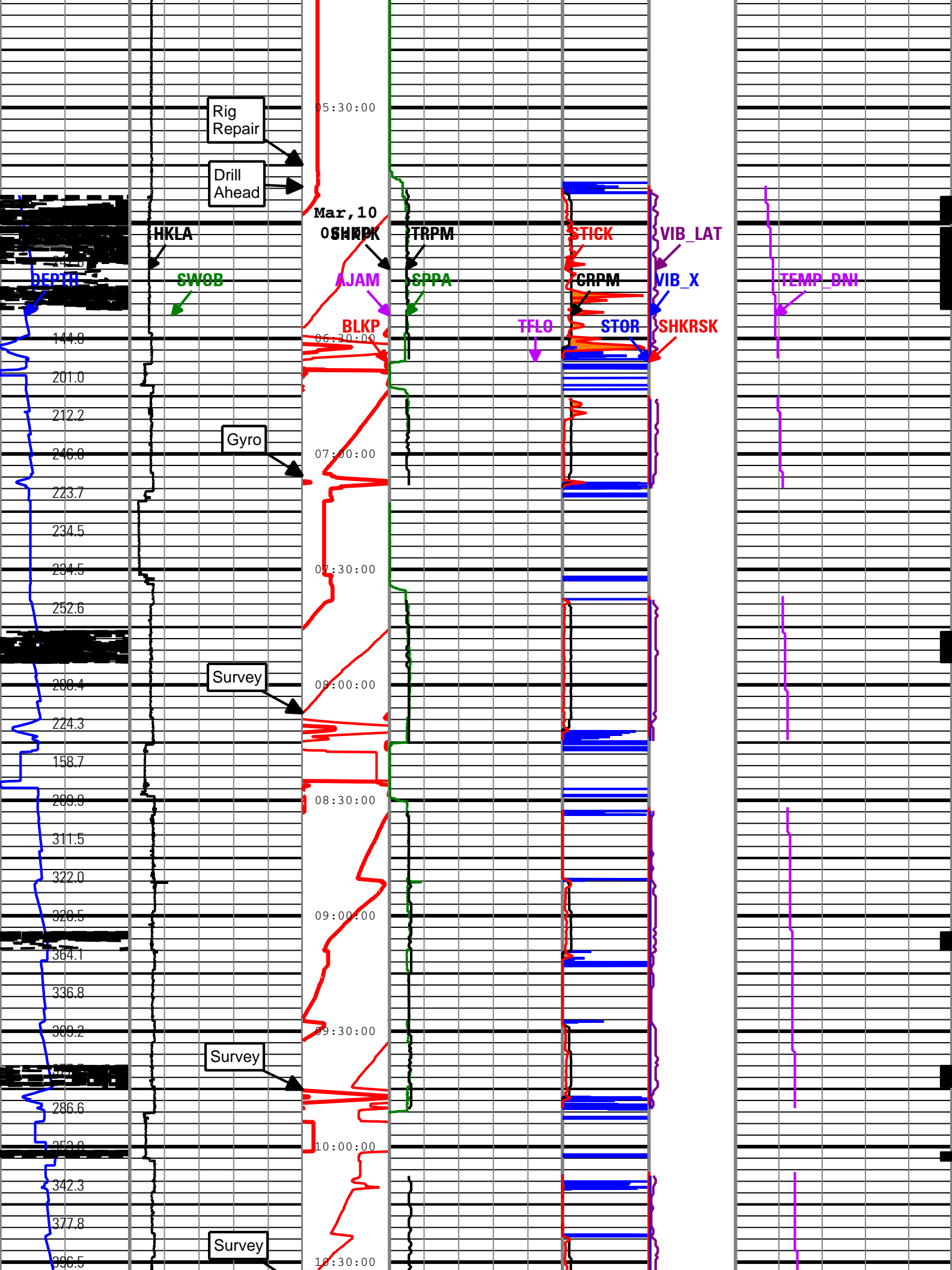
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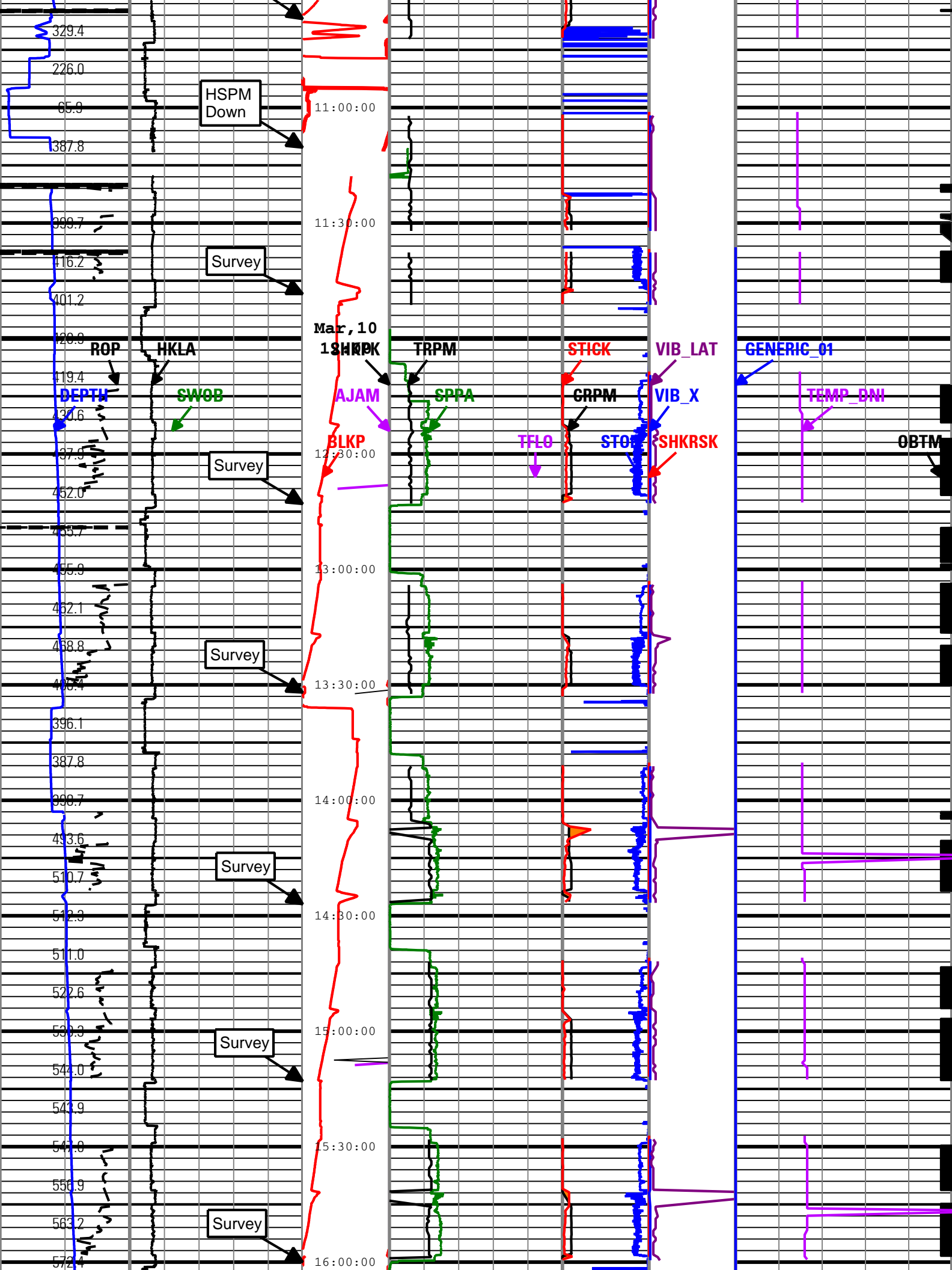
Description: TeleScope + ARC Drilling Mechanics Time RT Format: Log (DrillMech_Time_RT) Index Scale: 2 in per 3600 s Index Type: Time Creation Date: 01-Jun-2010 01:40:30

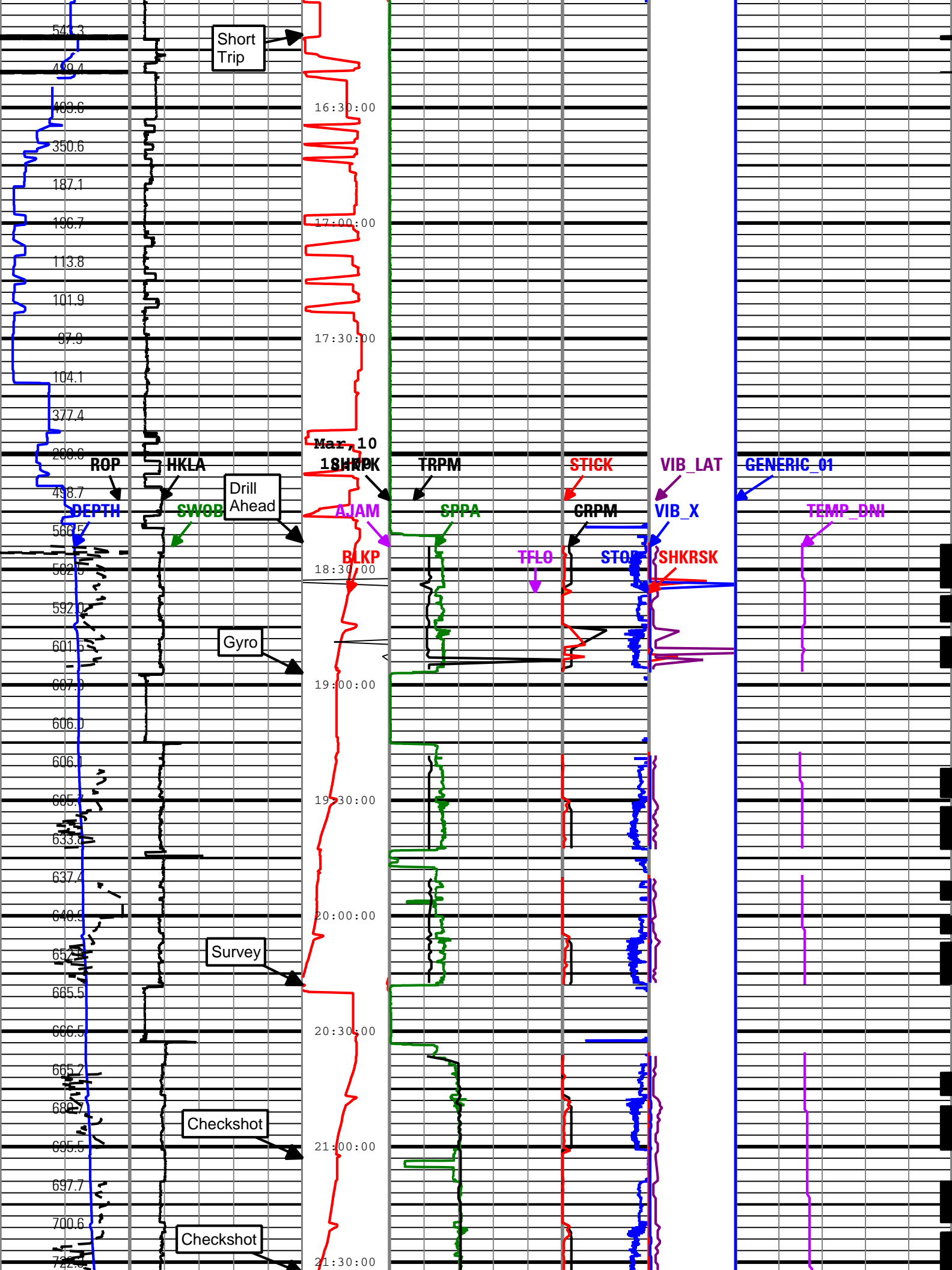
AJAM	TELE825:TELE825	ACQ - RT
BLKP	DRILLING_SURFACE	ACQ - RT
CRPM	TELE825:TELE825	ACQ - RT
DEPTH	DnMWorkflow	ACQ - RT
GENERIC_01	DRILLING_SURFACE	ACQ - RT
HKLA	DRILLING_SURFACE	ACQ - RT
OBTM	DnMWorkflow	ACQ - RT
ROP	DRILLING_SURFACE	ACQ - RT
SHKPK	TELE825:TELE825	ACQ - RT
SHKRSK	TELE825:TELE825	ACQ - RT
SPPA	DRILLING_SURFACE	ACQ - RT
STICK	TELE825:TELE825	ACQ - RT
STOR	DRILLING_SURFACE	ACQ - RT
SWOB	DRILLING_SURFACE	ACQ - RT
TEMP_DNI	TELE825:TELE825	ACQ - RT
TFLO	DRILLING_SURFACE	ACQ - RT
TRPM	TELE825:TELE825	ACQ - RT
VIB_LAT	TELE825:TELE825	ACQ - RT
VIB_X	TELE825:TELE825	ACQ - RT

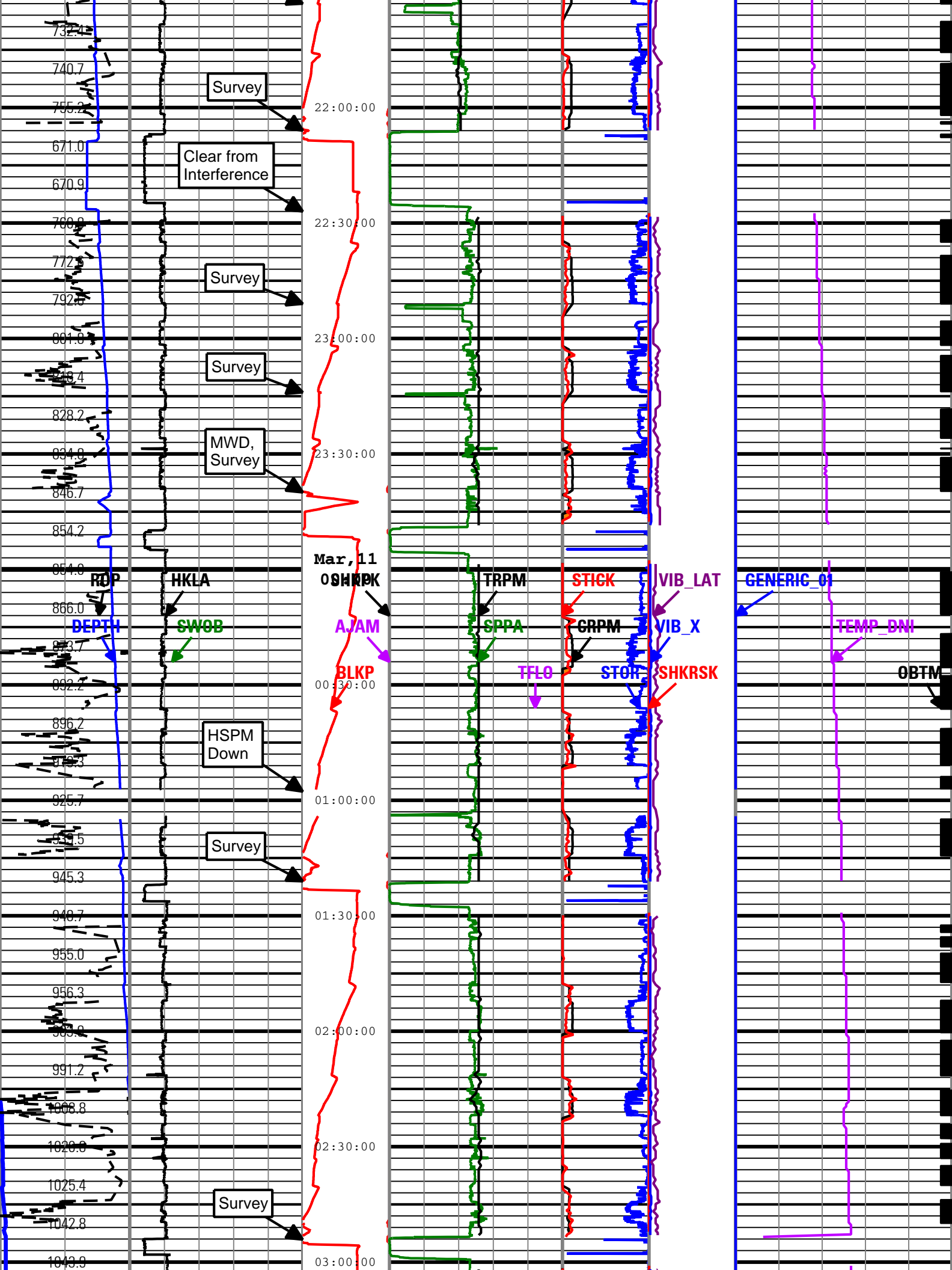
Number of
Anti-Jams
Detected
(AJAM)

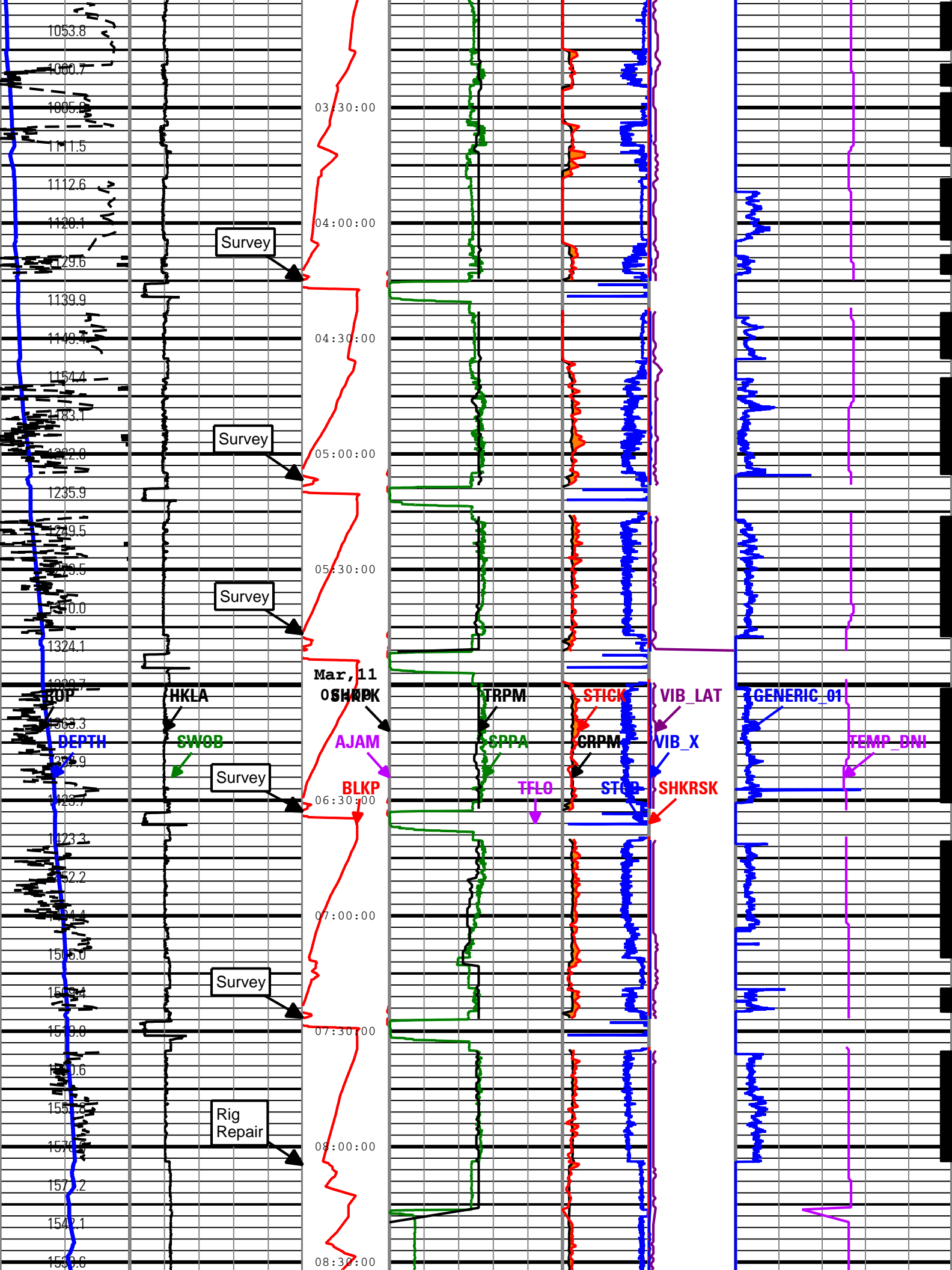
High Stick	Shock Risk
Surface Torque (STOR)	Shock Peak
40 0	Shock Risk (SHKRSK)
0	3

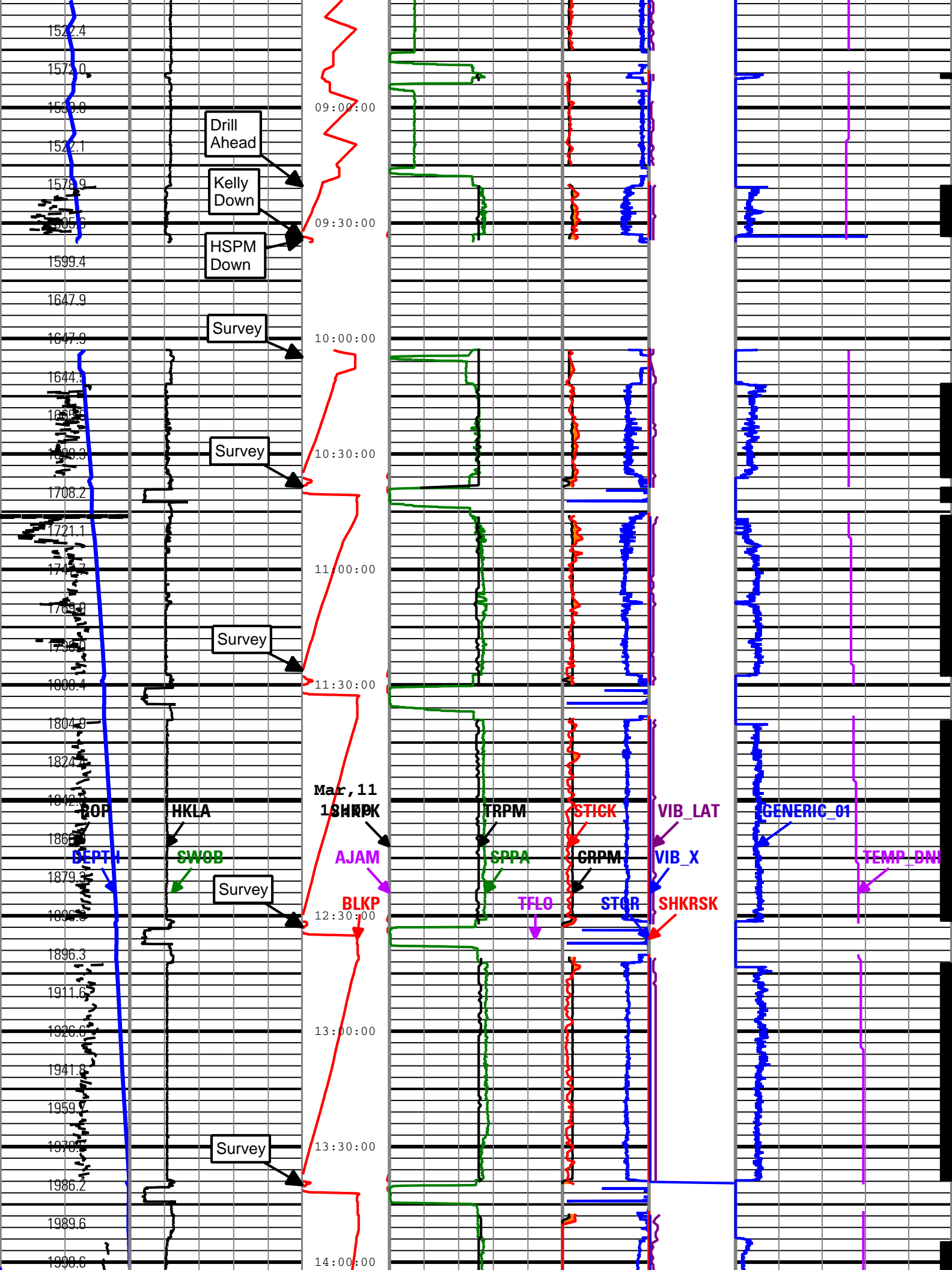


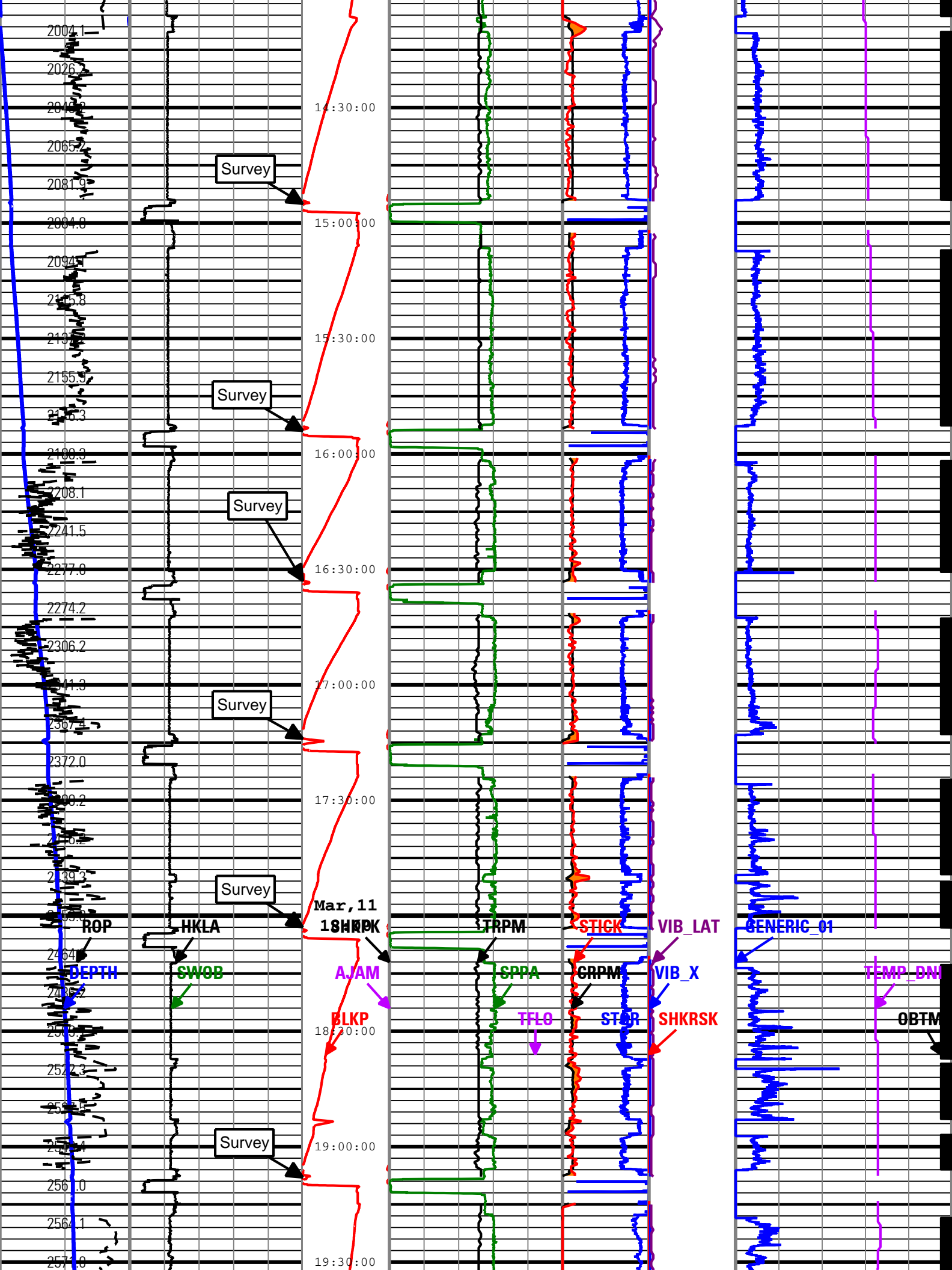


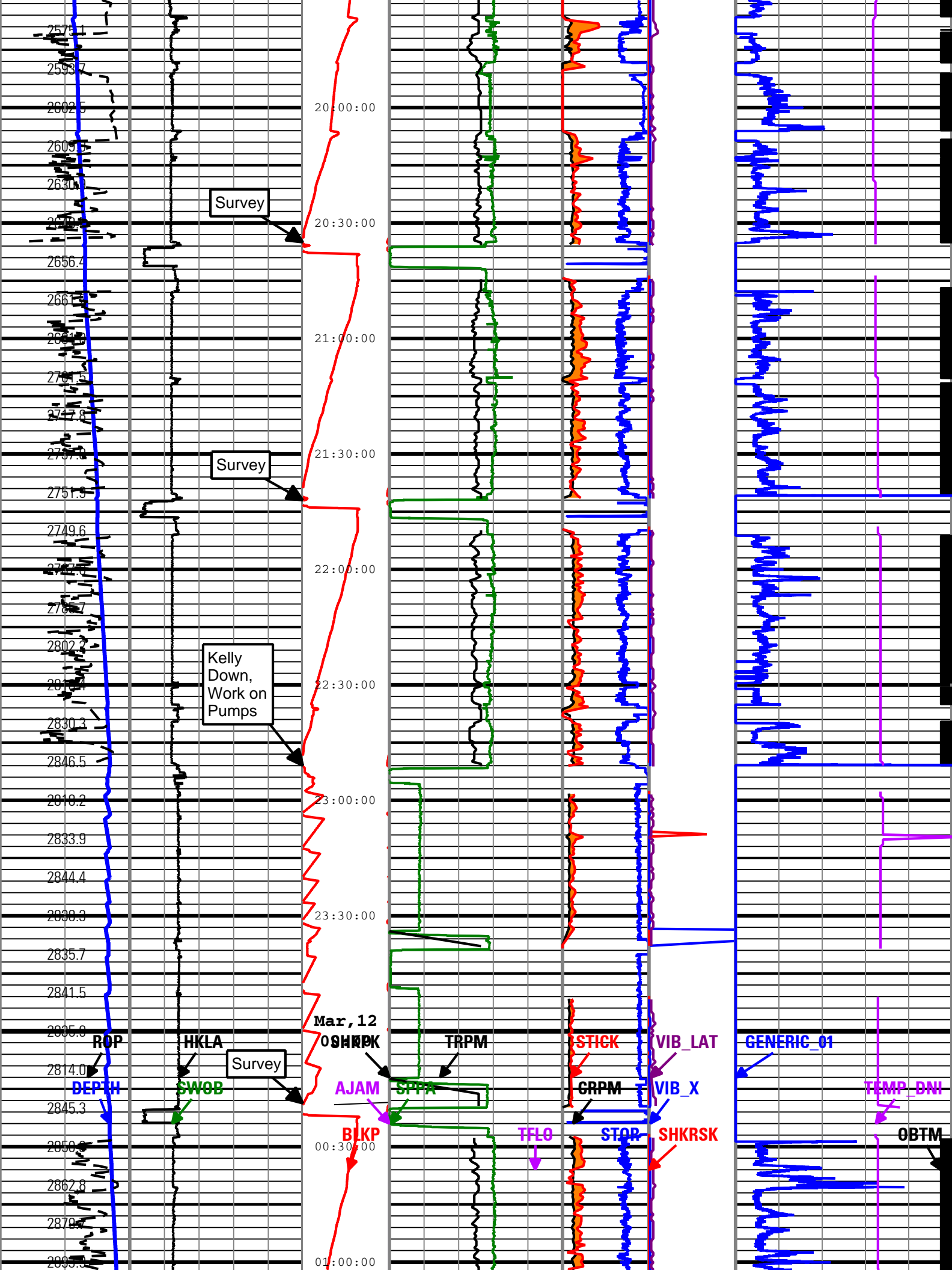


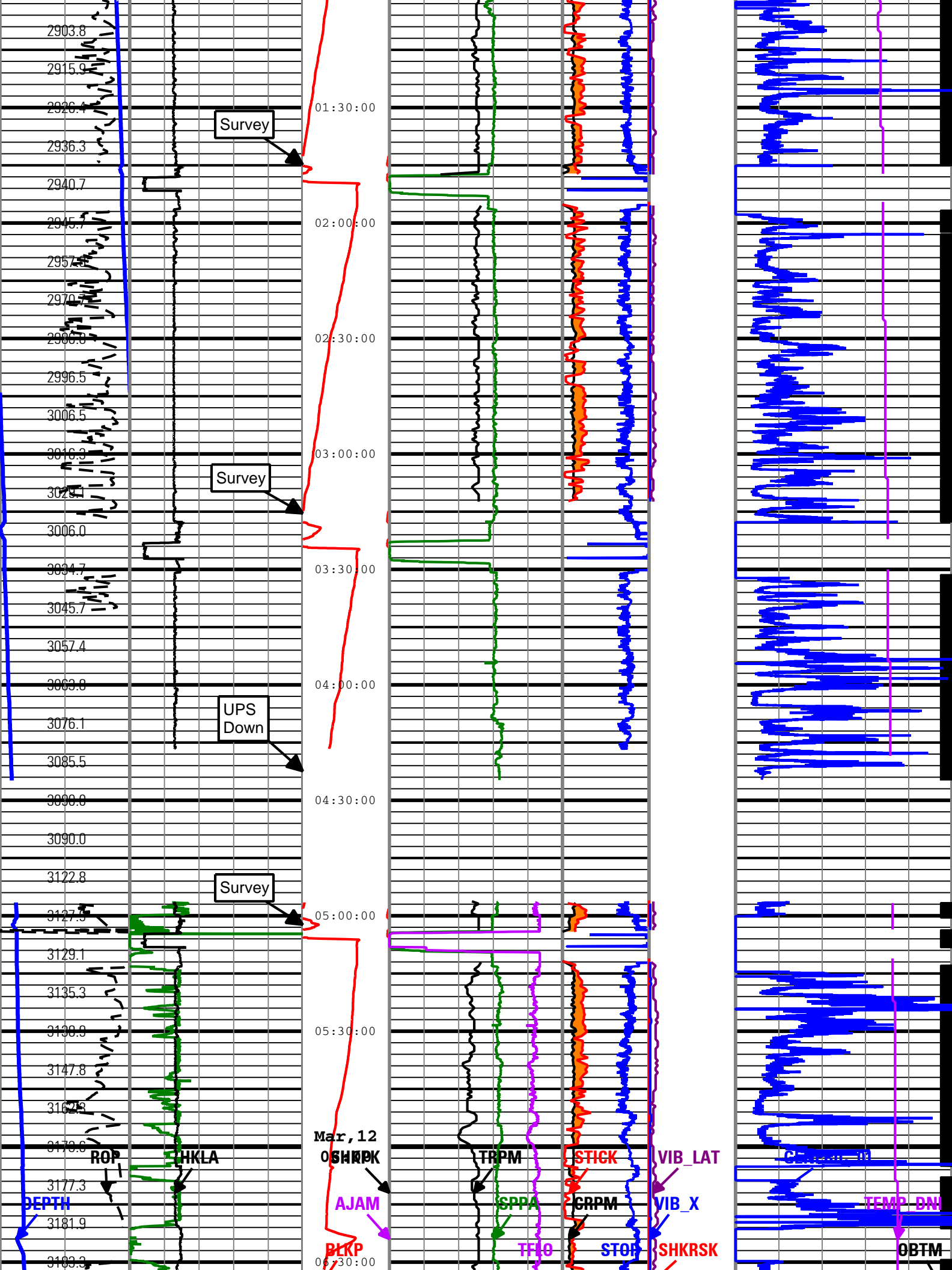


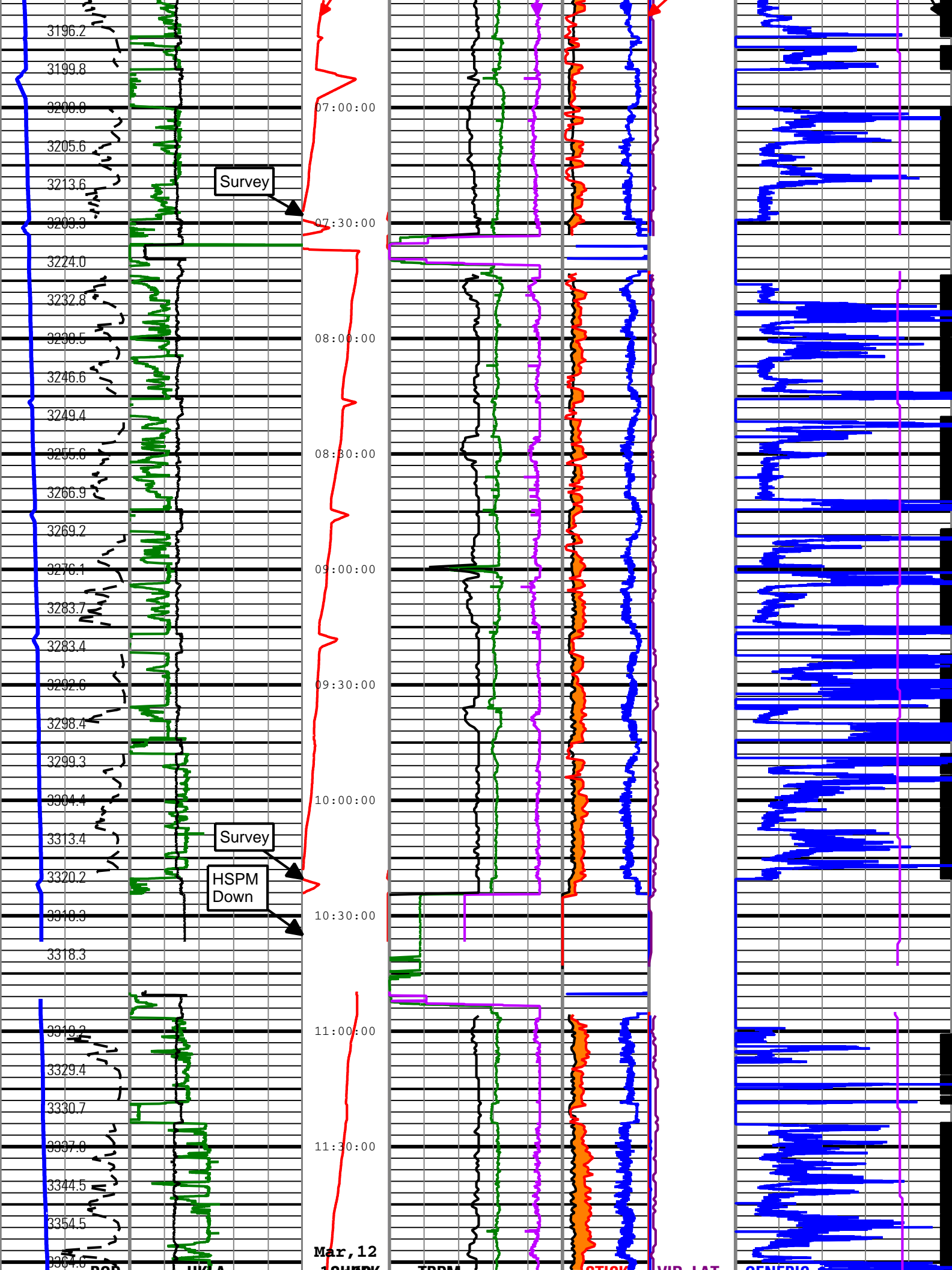


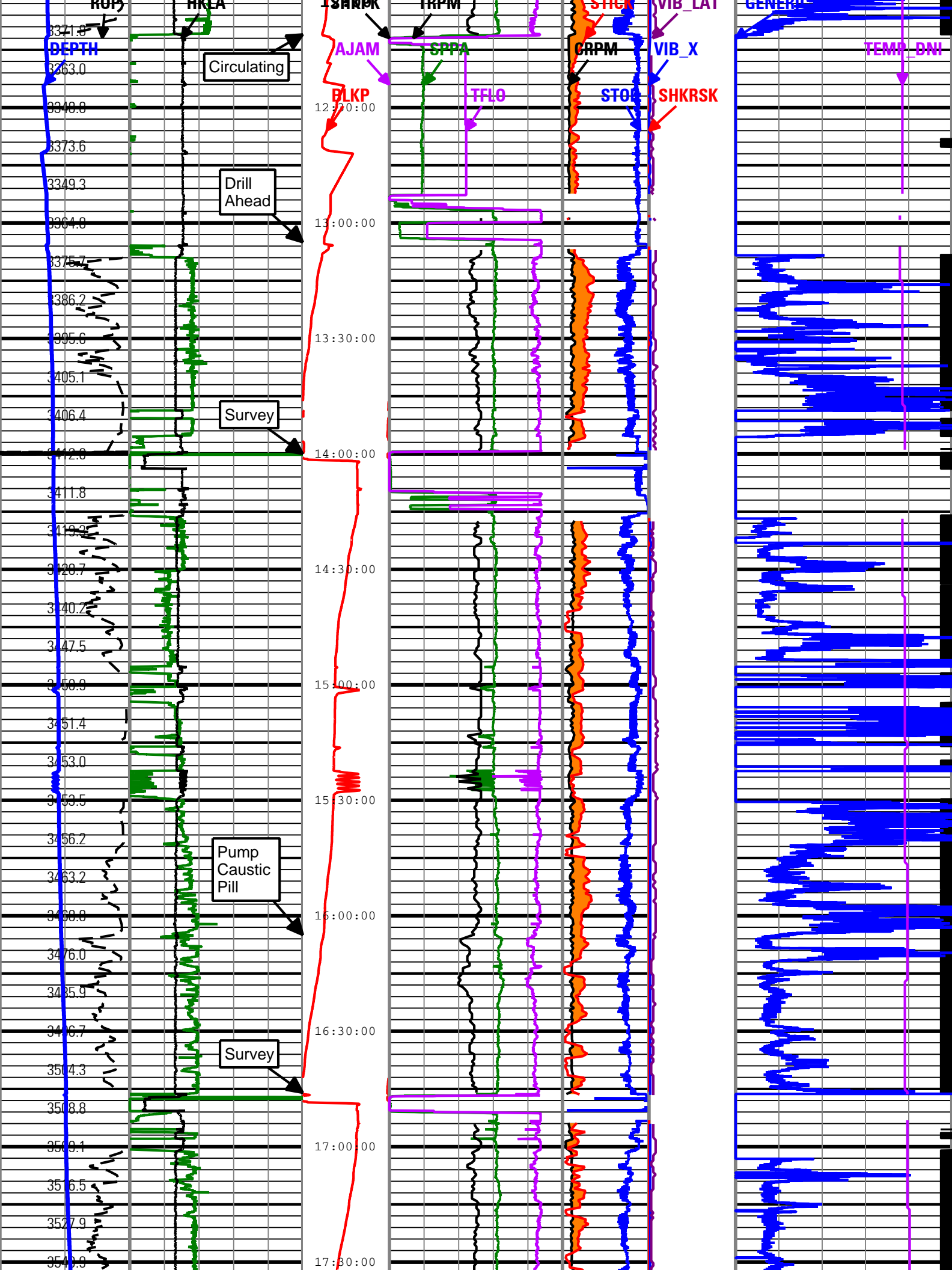












3321.8
DEPTH

3363.0

3340.0

3373.6

3349.3

3364.0

3375.7

3386.2

3395.6

3405.1

3406.4

3412.0

3411.8

3419.3

3420.7

3440.2

3447.5

3450.0

3451.4

3453.0

3453.5

3456.2

3463.2

3460.0

3476.0

3485.9

3486.7

3504.3

3508.8

3509.1

3516.5

3527.0

3540.9

Circulating

Drill Ahead

Survey

Pump Caustic Pill

Survey

3321.8

AJAM

BLKP

12:30:00

13:00:00

13:30:00

14:00:00

14:30:00

15:00:00

15:30:00

16:00:00

16:30:00

17:00:00

17:30:00

3321.8

SPPA

TRPM

TFLO

CRPM

STOP

VIB_LAT

VIB_X

SHKRSK

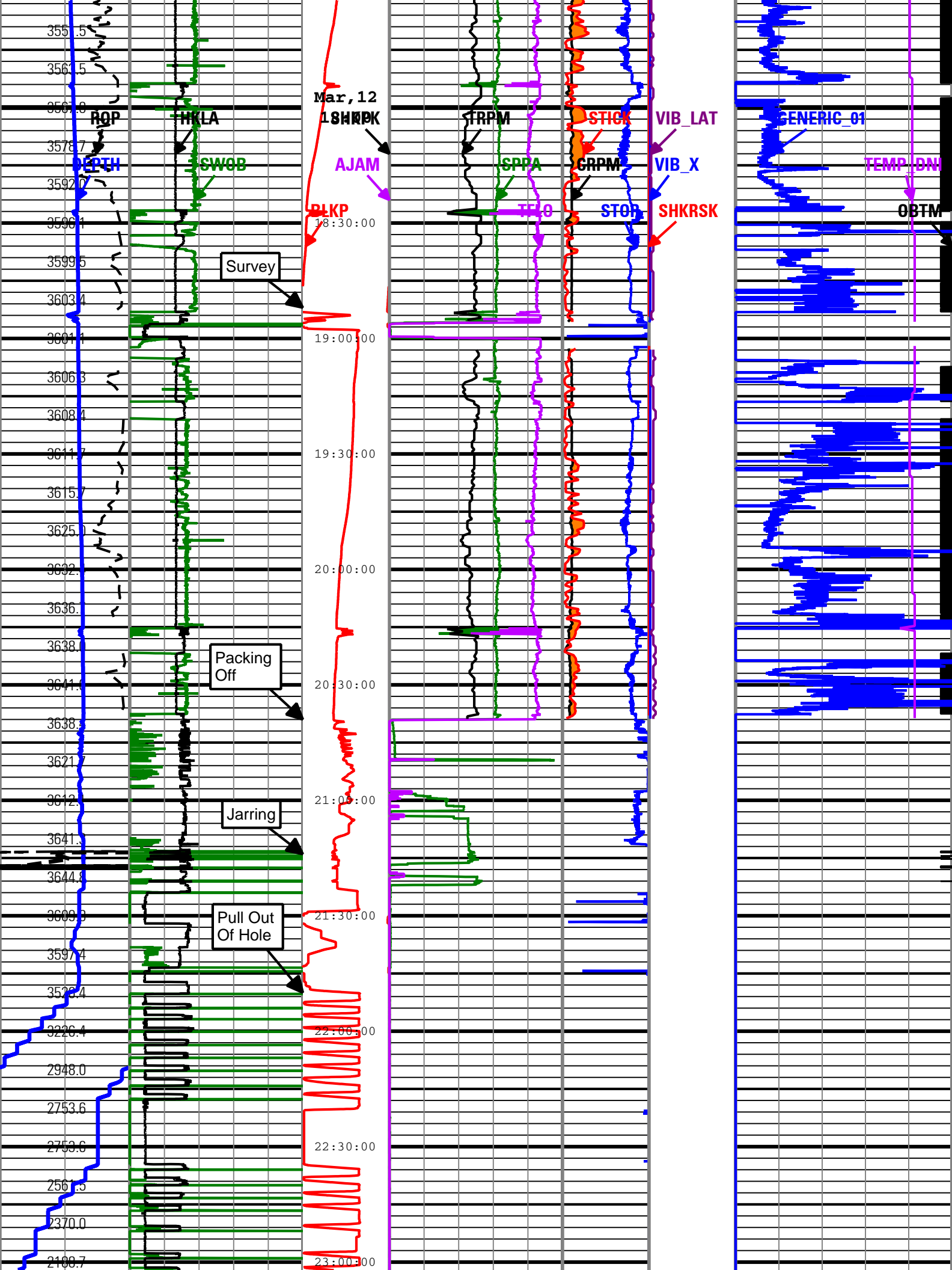
GENERAL

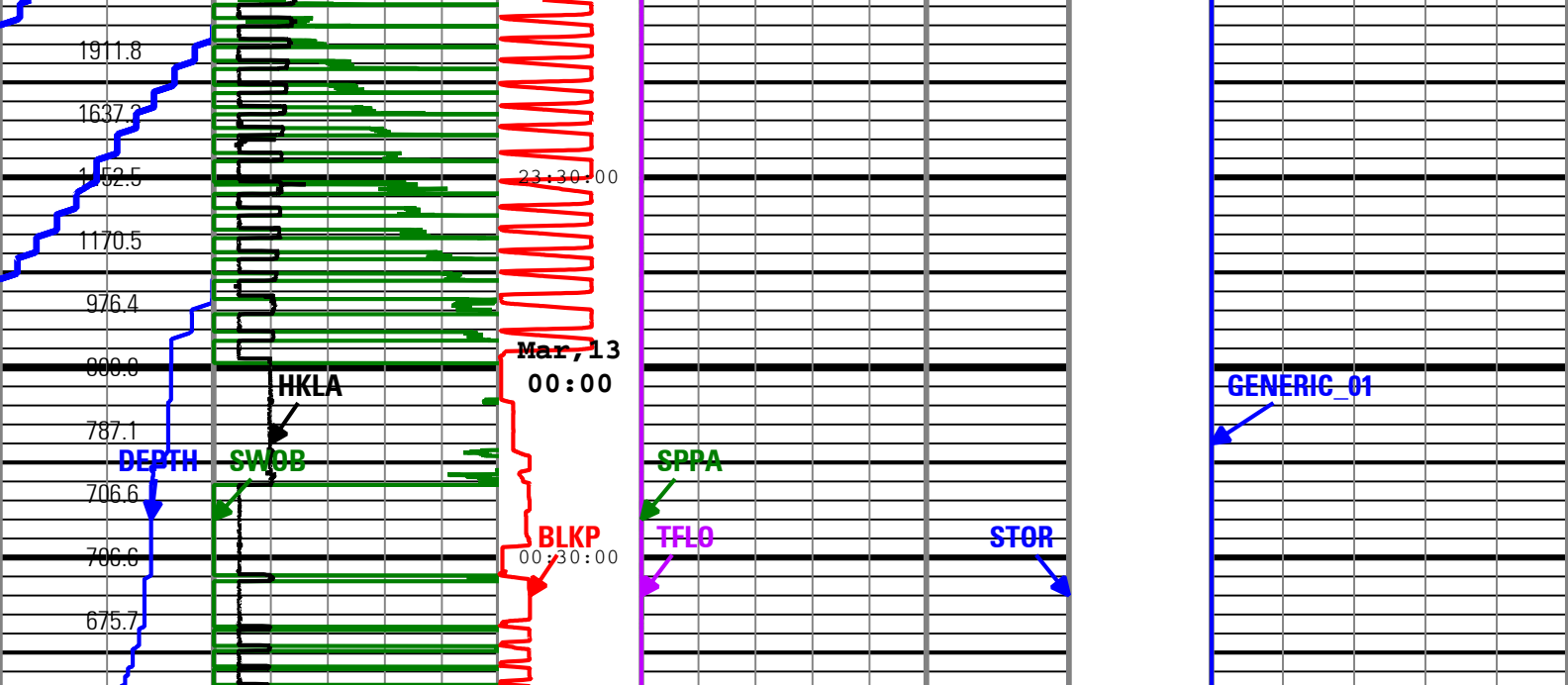
TEMP_DWI

TEMP_DWI

TEMP_DWI

TEMP_DWI





Depth Index (DEPTH) ft	Surface Weight On Bit (SWOB) 0 1000 lbf 50	Number of Anti-Jams Detected (AJAM) 5 0	Standpipe Pressure (SPPA) 0 psi 5000	High Stick	Shock Risk	Bit on Bottom Flag
Depth Index (DEPTH) 0 ft 1000	Average Hookload (HKLA) 0 1000 lbf 500	Height of block above rig floor (BLKP) 0 ft 150	Total flow rate of all active pumps (TFLO) 0 gal/min 1000	Surface Torque (STOR) 40 0 1000 ft.lbf	Shock Peak Shock Risk (SHKRSK) 0 3	Generic Channel One (GENERIC_01) 0 100
Rate of Penetration (ROP) 300 ft/h 0		Shock Peak (SHKPK) 200 gn 0	MWD Turbine Rotation Speed (TRPM) 1500 c/min 4500	Collar Rotational Speed (CRPM) 0 c/min 400	RMS Vibration, X-Axis (VIB_X) 0 gn 10	Direction and Inclination Sensor Temperature (TEMP_DNI) 50 degF 175
				Stick Slip Indicator (STICK) 0 c/min 400	Transverse RMS Vibration (VIB_LAT) 0 gn 10	

Description: TeleScope + ARC Drilling Mechanics Time RT Format: Log (DrillMech_Time_RT) Index Scale: 2 in per 3600 s Index Type: Time Creation Date: 01-Jun-2010 01:40:30

Tool Control Parameters				
Parameter	Description	ToolPath	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DnMWorkflow	Time Zoned	ft

Time Zone Parameters			
Parameter	Value	Start	Stop
OFFBTM_TH	0	10-Mar-2010 00:37:21	10-Mar-2010 17:24:45
OFFBTM_TH	0.3	10-Mar-2010 17:24:45	11-Mar-2010 00:23:38
OFFBTM_TH	0	11-Mar-2010 00:23:38	13-Mar-2010 00:50:41

Run 2

Software Version	
Acquisition System	Version
MaxWell	1.2.8706.0

Tool Elements	Description	Software Version	Firmware Version
DRILLING_SURFACE	DRILLING_SURFACE	1.2.8706.1067	

Pass Summary

Run Name	Pass Objective	Direction	Start	Stop	Acquisition Start Date	Acquisition Start Time
Run 2	TimeLogicalAcq	Down	29-May-2010 13:56:33	31-May-2010 18:23:45	29-May-2010	13:56:33

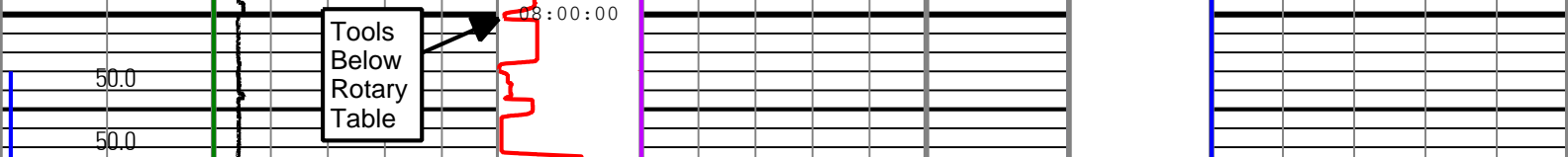
Log

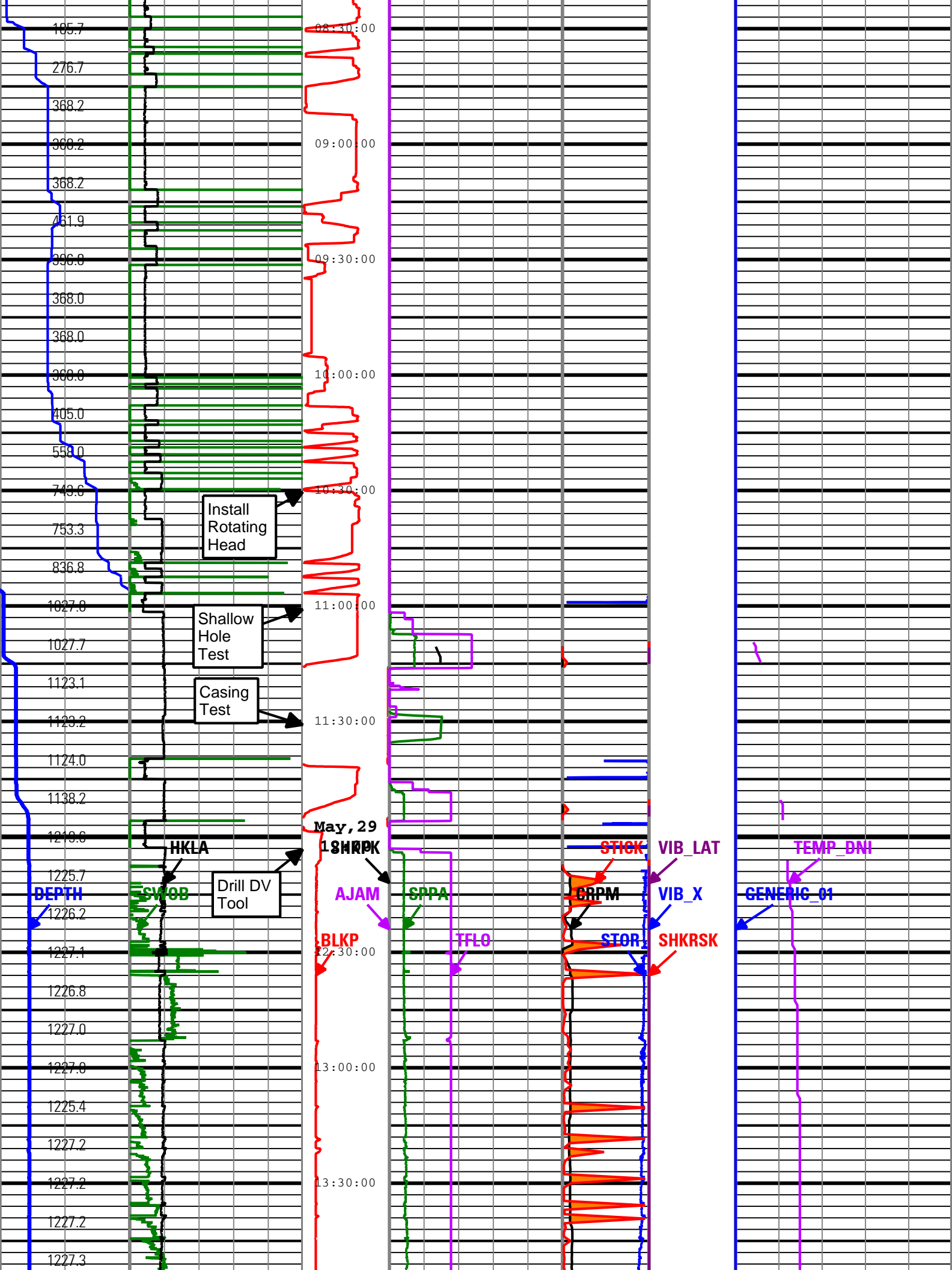
Run 2: TimeLogicalAcq 7EBE4F33-1D2F-4335-AC2F-76F10AABD44D

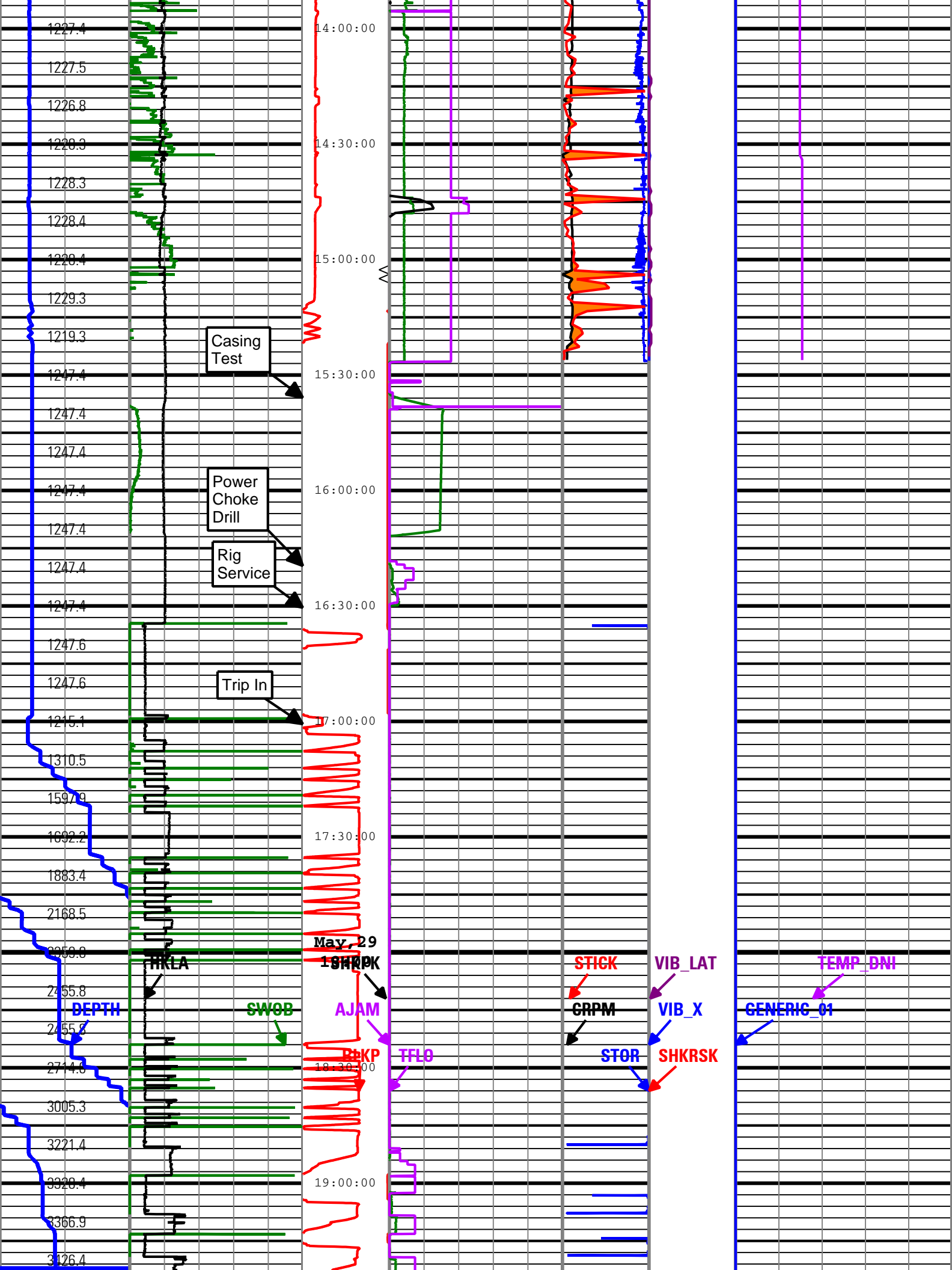
Description: TeleScope + ARC Drilling Mechanics Time RT Format: Log (DrillMech_Time_RT) Index Scale: 2 in per 3600 s Index Type: Time Creation Date: 01-Jun-2010 01:40:37

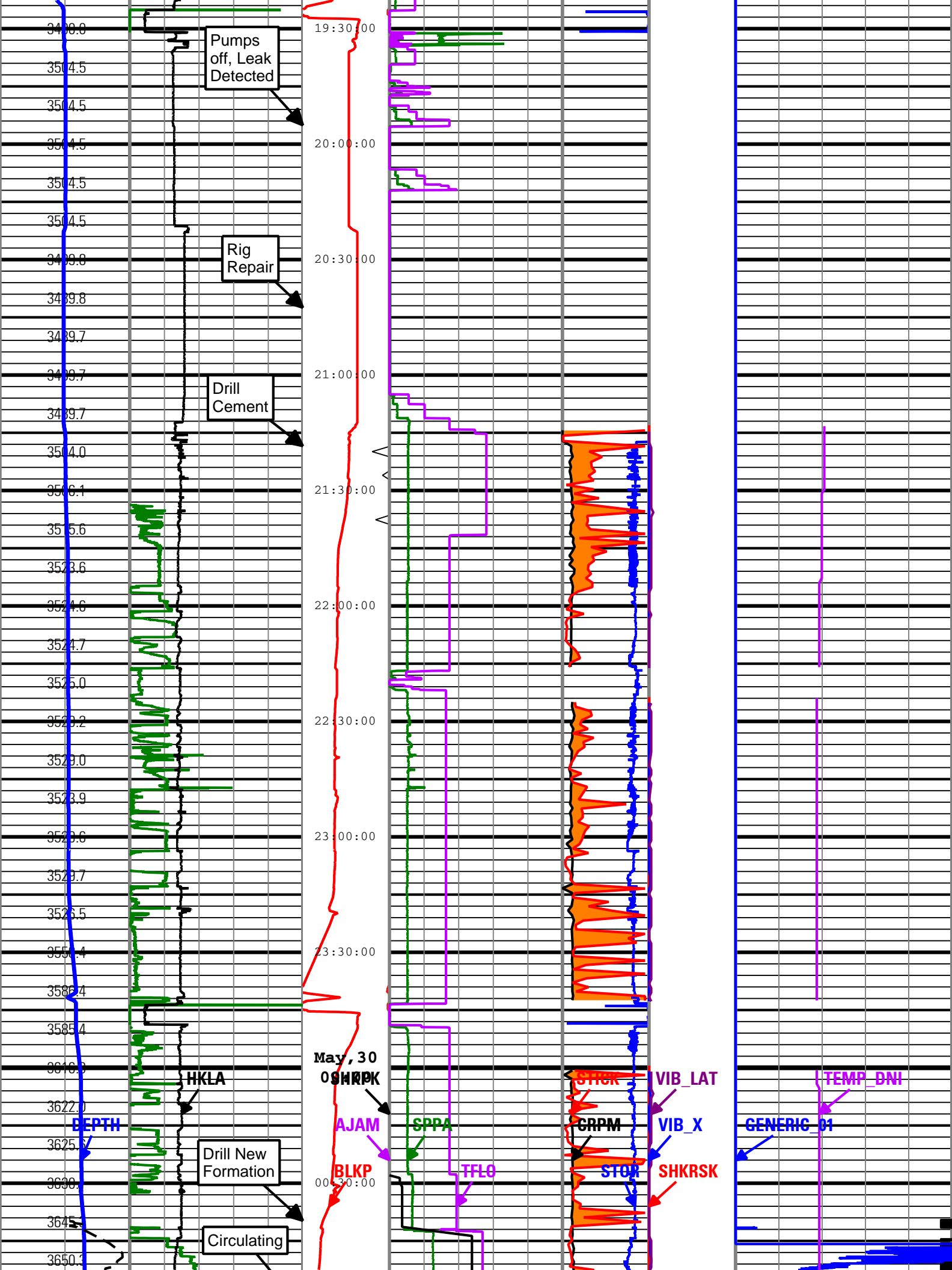
AJAM	TELE675:TELE675	ACQ - RT
BLKP	DRILLING_SURFACE	ACQ - RT
CRPM	TELE675:TELE675	ACQ - RT
DEPTH	DnMWorkflow	ACQ - RT
GENERIC_01	DRILLING_SURFACE	ACQ - RT
HKLA	DRILLING_SURFACE	ACQ - RT
OBTM	DnMWorkflow	ACQ - RT
ROP	DRILLING_SURFACE	ACQ - RT
SHKPK	TELE675:TELE675	ACQ - RT
SHKRSK	TELE675:TELE675	ACQ - RT
SPPA	DRILLING_SURFACE	ACQ - RT
STICK	TELE675:TELE675	ACQ - RT
STOR	DRILLING_SURFACE	ACQ - RT
SWOB	DRILLING_SURFACE	ACQ - RT
TEMP_DNI	TELE675:TELE675	ACQ - RT
TFLO	DRILLING_SURFACE	ACQ - RT
TRPM	TELE675:TELE675	ACQ - RT
VIB_LAT	TELE675:TELE675	ACQ - RT
VIB_X	TELE675:TELE675	ACQ - RT

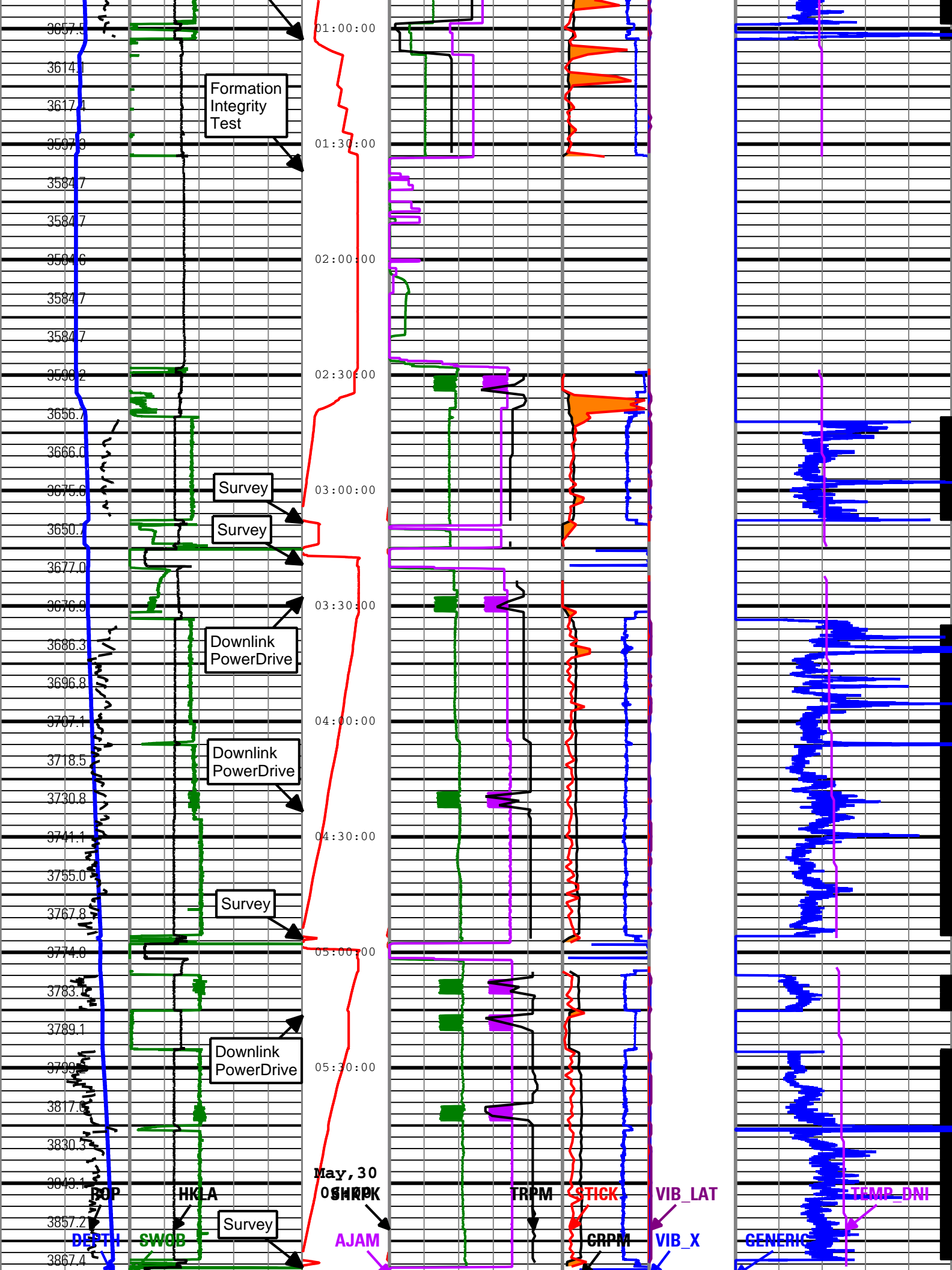
Depth Index (DEPTH) ft		Number of Anti-Jams Detected (AJAM) 5 0		Standpipe Pressure (SPPA) 0 psi 5000		High Stick		Shock Risk	
Depth Index (DEPTH) 0 ft 1000		Surface Weight On Bit (SWOB) 0 1000 lbf 50		Total flow rate of all active pumps (TFLO) 0 gal/min 1000		Surface Torque (STOR) 40 0 1000 ft.lbf		Shock Peak	
Rate of Penetration (ROP) 300 ft/h 0		Average Hookload (HKLA) 0 1000 lbf 500		MWD Turbine Rotation Speed (TRPM) 1500 c/min 4500		Collar Rotational Speed (CRPM) 0 c/min 400		Shock Risk (SHKRSK) 0 3	
		Shock Peak (SHKPK) 200 gn 0		MWD Turbine Rotation Speed (TRPM) 1500 c/min 4500		Stick Slip Indicator (STICK) 0 c/min 400		RMS Vibration, X-Axis (VIB_X) 0 gn 10	
								Bit on Bottom Flag	
								Generic Channel One (GENERIC_01) 0 100	
								Direction and Inclination Sensor Temperature (TEMP_DNI) 50 degF 175	

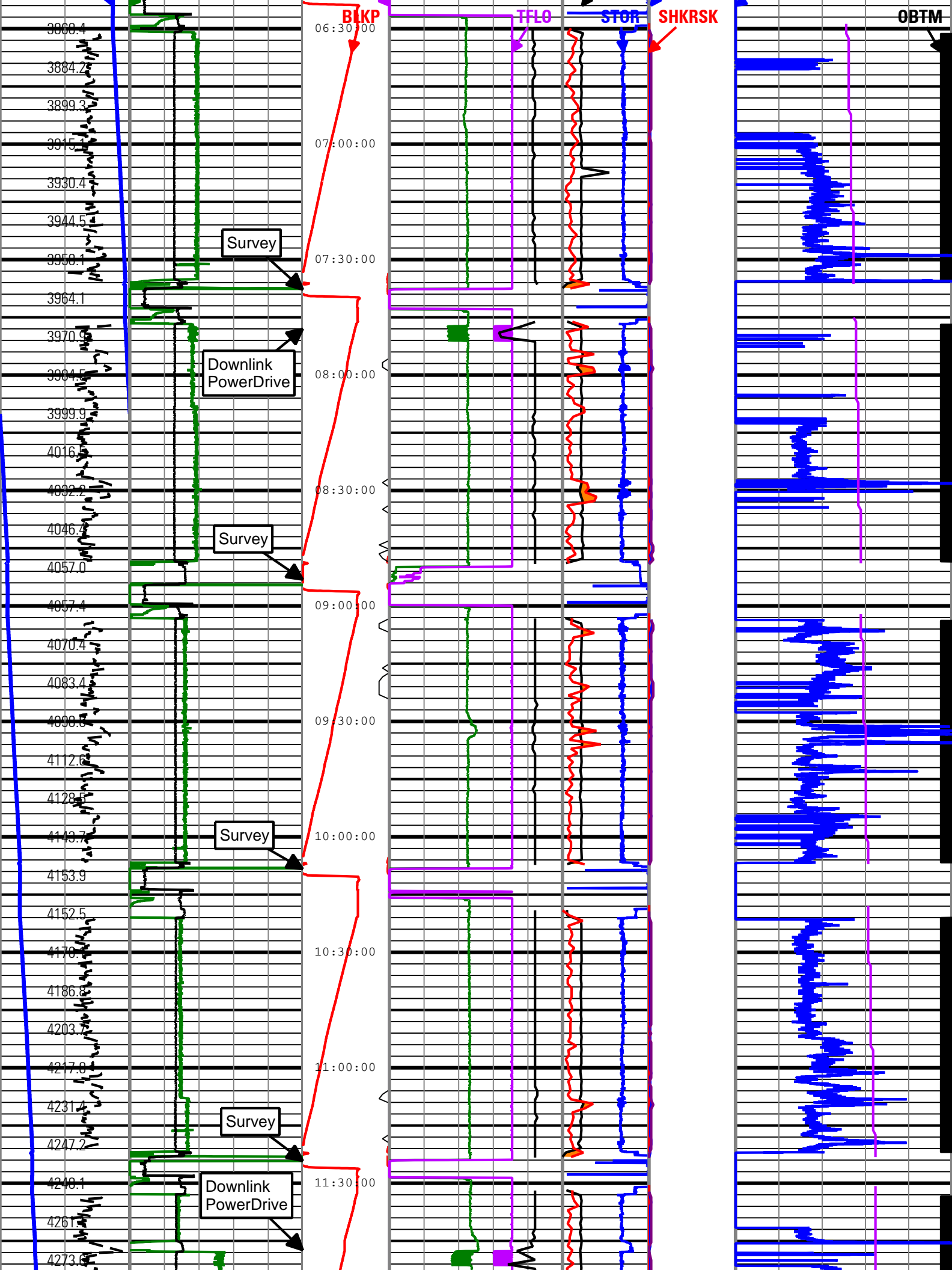


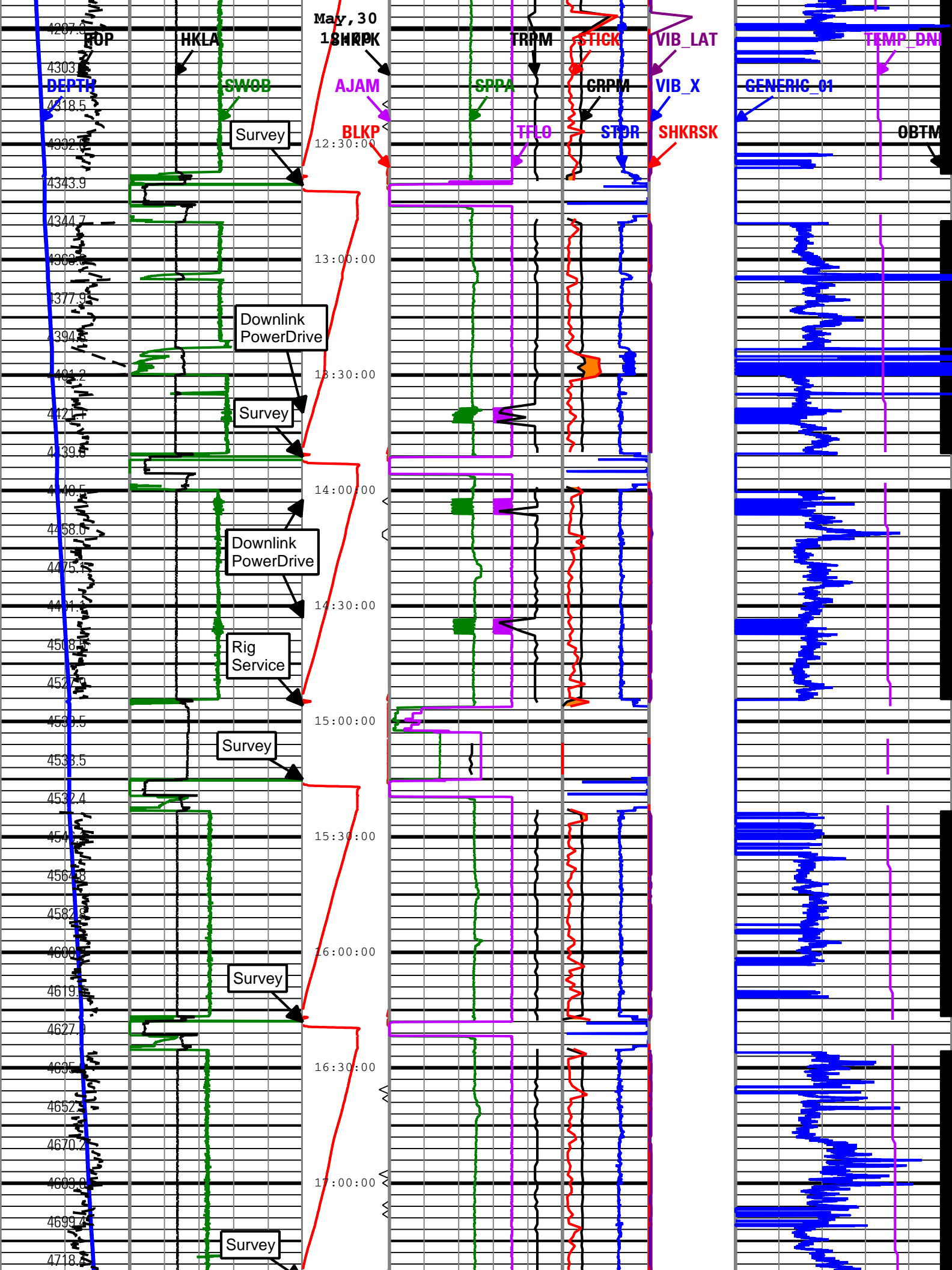


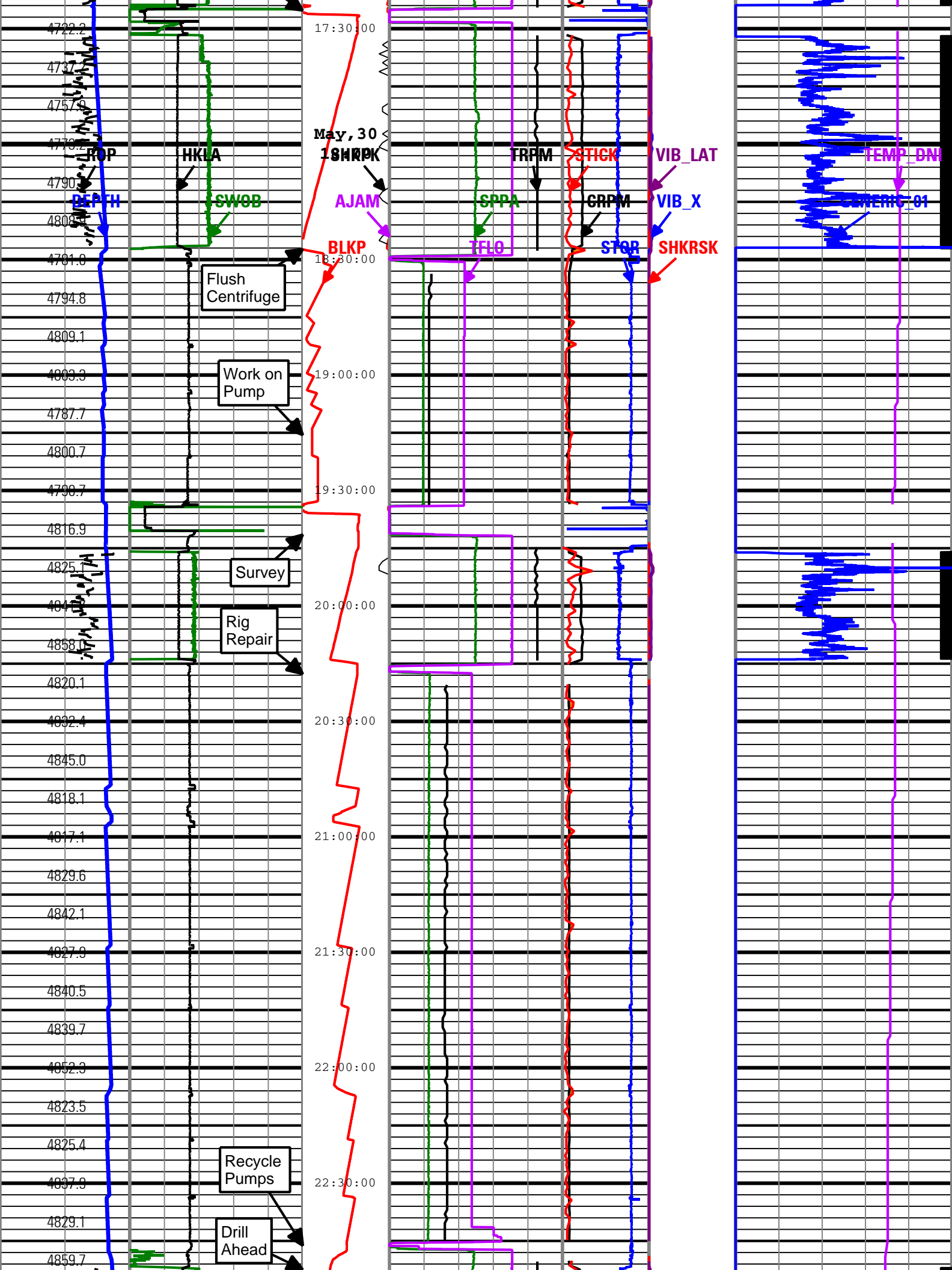


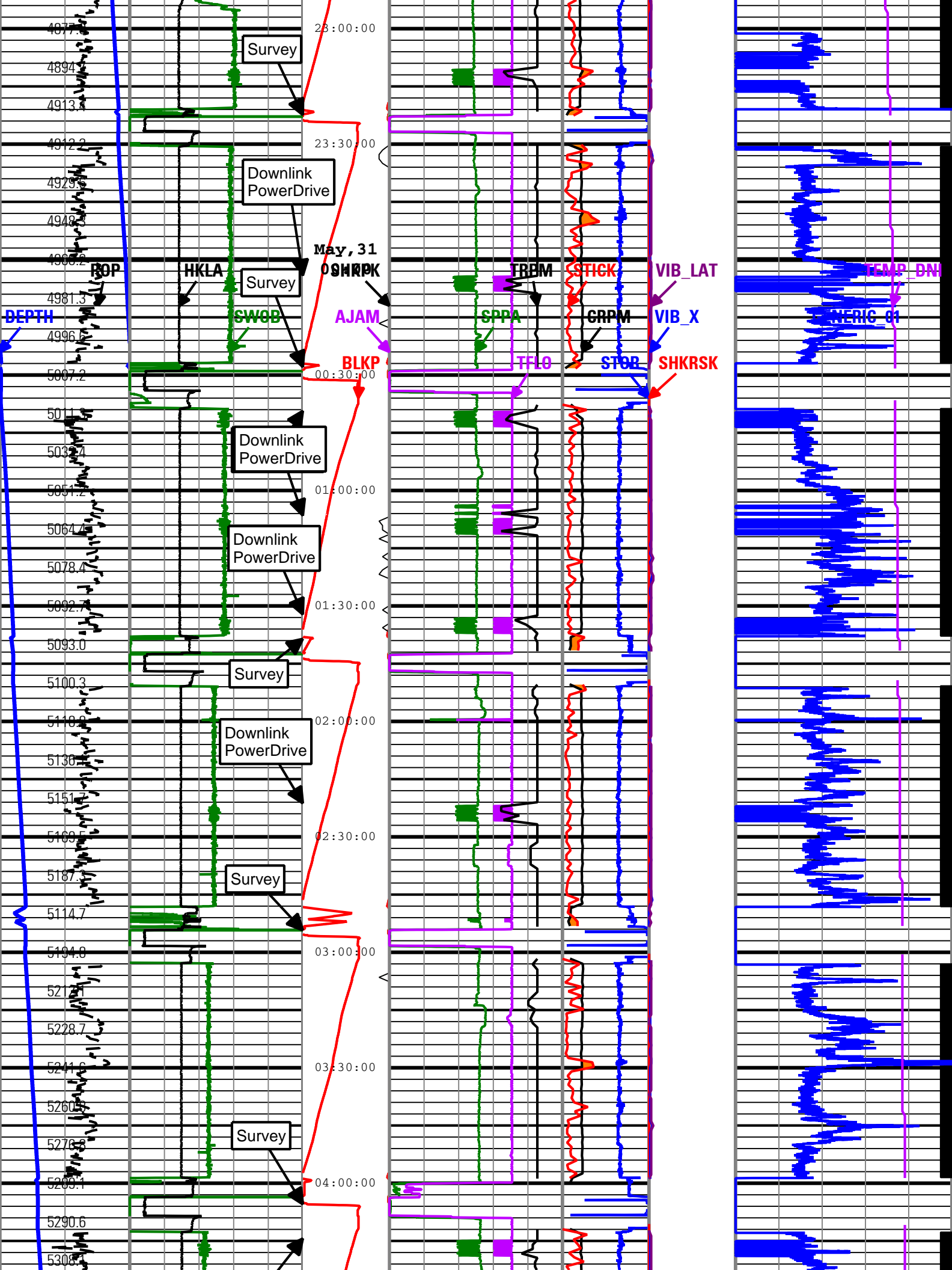


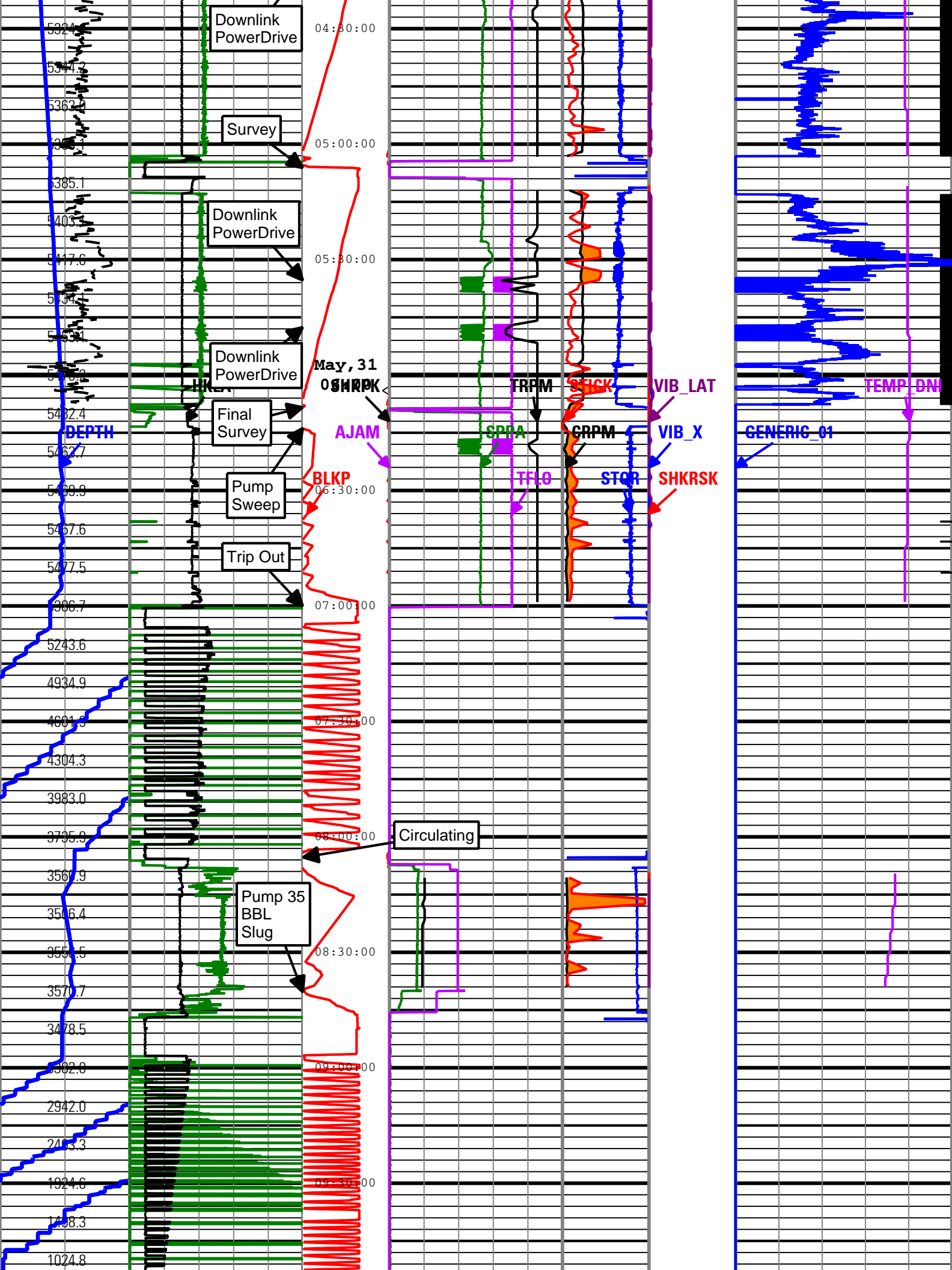


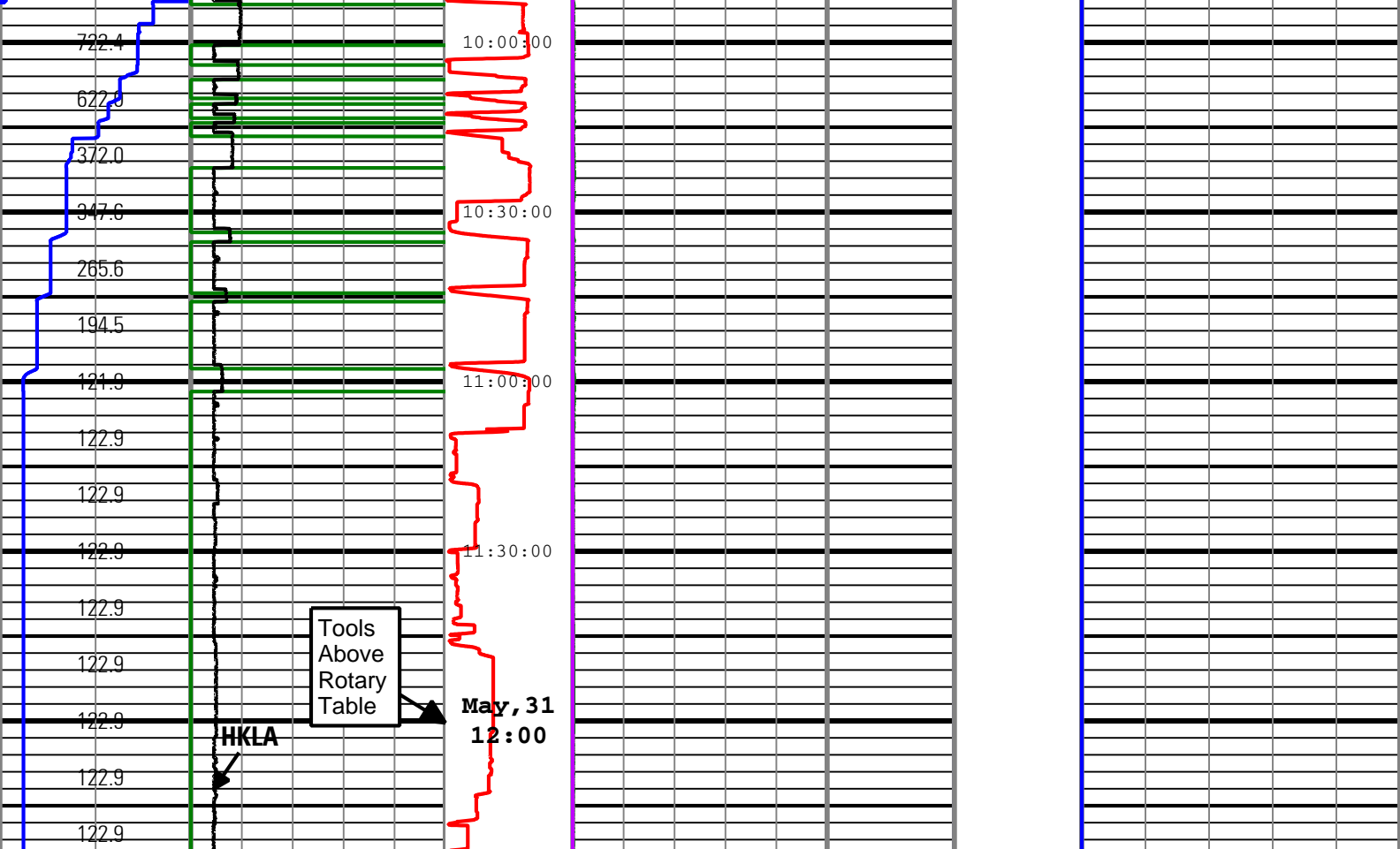












Depth Index (DEPTH) ft	Surface Weight On Bit (SWOB) 0 1000 lbf 50	Number of Anti-Jams Detected (AJAM) 5 0	Standpipe Pressure (SPPA) 0 psi 5000	High Stick 40 0	Shock Risk 0 3	Bit on Bottom Flag
Depth Index (DEPTH) 0 ft 1000	Average Hookload (HKLA) 0 1000 lbf 500	Height of block above rig floor (BLKP) 0 ft 150	Total flow rate of all active pumps (TFLO) 0 gal/min 1000	Surface Torque (STOR) 1000 ft.lbf	Shock Peak 0 100	Generic Channel One (GENERIC_01)
Rate of Penetration (ROP) 300 ft/h 0		Shock Peak (SHKPK) 200 gn 0	MWD Turbine Rotation Speed (TRPM) 1500 c/min 4500	Collar Rotational Speed (CRPM) 0 c/min 400	Shock Risk (SHKRSK)	Direction and Inclination Sensor Temperature (TEMP_DNI) 50 degF 175
				Stick Slip Indicator (STICK) 0 c/min 400	RMS Vibration, X-Axis (VIB_X) 0 gn 10	
					Transverse RMS Vibration (VIB_LAT) 0 gn 10	

Description: TeleScope + ARC Drilling Mechanics Time RT Format: Log (DrillMech_Time_RT) Index Scale: 2 in per 3600 s Index Type: Time Creation Date: 01-Jun-2010 01:40:37

Company:	ExxonMobil Oil Corporation
Well:	Piceance Creek Unit 197 34 A5
Field:	Piceance Creek
County:	Rio Blanco
State:	Colorado
Country:	United States



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2 in / hr Time Based

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